Before using the instrument, be sure to read “PRECAUTIONS” on page 5.
SPECIAL MESSAGE SECTION

PRODUCT SAFETY MARKINGS: Yamaha electronic products may have either labels similar to the graphics shown below or molded/stamped facsimiles of these graphics on the enclosure. The explanation of these graphics appears on this page. Please observe all cautions indicated on this page and those indicated in the safety instruction section.

![CAUTION]

The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

![WARNING]

The lightning flash with arrowhead symbol, within the equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electrical shock.

IMPORTANT NOTICE: All Yamaha electronic products are tested and approved by an independent safety testing laboratory in order that you may be sure that when it is properly installed and used in its normal and customary manner, all foreseeable risks have been eliminated. DO NOT modify this unit or commission others to do so unless specifically authorized by Yamaha. Product performance and/or safety standards may be diminished. Claims filed under the expressed warranty may be denied if the unit is/has been modified. Implied warranties may also be affected.

SPECIFICATIONS SUBJECT TO CHANGE: The information contained in this manual is believed to be correct at the time of printing. However, Yamaha reserves the right to change or modify any of the specifications without notice or obligation to update existing units.

ENVIRONMENTAL ISSUES: Yamaha strives to produce products that are both user safe and environmentally friendly. We sincerely believe that our products and the production methods used to produce them, meet these goals. In keeping with both the letter and the spirit of the law, we want you to be aware of the following:

Battery Notice: This product MAY contain a small non-rechargeable battery which (if applicable) is soldered in place. The average life span of this type of battery is approximately five years. When replacement becomes necessary, contact a qualified service representative to perform the replacement.

Warning: Do not attempt to recharge, disassemble, or incinerate this type of battery. Keep all batteries away from children. Dispose of used batteries promptly and as regulated by applicable laws. Note: In some areas, the servicer is required by law to return the defective parts. However, you do have the option of having the servicer dispose of these parts for you.

Disposal Notice: Should this product become damaged beyond repair, or for some reason its useful life is considered to be at an end, please observe all local, state, and federal regulations that relate to the disposal of products that contain lead, batteries, plastics, etc.

NOTICE: Service charges incurred due to lack of knowledge relating to how a function or effect works (when the unit is operating as designed) are not covered by the manufacturer’s warranty, and are therefore the owners responsibility. Please study this manual carefully and consult your dealer before requesting service.

NAME PLATE LOCATION: The graphic below indicates the location of the name plate. The model number, serial number, power requirements, etc., are located on this plate. You should record the model number, serial number, and the date of purchase in the spaces provided below and retain this manual as a permanent record of your purchase.
FCC INFORMATION (U.S.A.)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!
   This product, when installed as indicated in the instructions con-
   tained in this manual, meets FCC requirements. Modifications not
   expressly approved by Yamaha may void your authority, granted by
   the FCC, to use this product.

2. IMPORTANT: When connecting this product to accessories and/or
   another product use only high quality shielded cables. Cable’s
   supplied with this product MUST be used. Follow all installation
   instructions. Failure to follow instructions could void your FCC
   authorization to use this product in the USA.

3. NOTE: This product has been tested and found to comply with the
   requirements listed in FCC Regulations, Part 15 for Class “B” digital
   devices.

For U.S.A.
   This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
   (1) This device may not cause interference, and
   (2) This device must accept any interference, including interference
   that may cause undesired operation of the device.

For CANADA
   This device complies with Industry Canada’s applicable licence-exempt
   RSSs. Operation is subject to the following two conditions:
   (1) This device may not cause interference; and
   (2) This device must accept any interference, including interference
   that may cause undesired operation of the device.

FCC/IC RF Radiation Exposure Statement
   This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in
   the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does
   not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be
determined by turning the unit “OFF” and “ON”, please try to eliminate the problem by using one of the following measures:
   Relocate either this product or the device that is being affected by the interference.

   Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

   In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the
   lead-in to co-axial type cable.

   If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of
   product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division,
   6600 Orangethorpe Ave, Buena Park, CA90620

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

FCC and IC Information

For U.S.A.
   This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

For CANADA
   This device complies with Industry Canada’s applicable licence-exempt RSSs. Operation is subject to the following two conditions:
   (1) This device may not cause interference; and
   (2) This device must accept any interference, including interference
   that may cause undesired operation of the device.

For U.S.A. and CANADA
   FCC/IC RF Radiation Exposure Statement
   This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio
   frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed
   and operated keeping the radiator at least 20cm or more away from person’s body.

COMPLIANCE INFORMATION STATEMENT
   (DECLARATION OF CONFORMITY PROCEDURE)

Responsible Party: Yamaha Corporation of America
   Address: 6600 Orangethorpe Ave., Buena Park, Calif. 90620
   Telephone: 714-522-9011

Type of Equipment: DIGITAL KEYBOARD

Model Name: Genos

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:
   1) this device may not cause harmful interference, and
   2) this device must accept any interference, including interference
      that may cause undesired operation.

See user manual instructions if interference to radio reception is
suspected.

* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA.

Information for users on collection and disposal of old equipment:

This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products should not be
mixed with general household waste.

For proper treatment, recovery and recycling of old products, please take them to applicable collection points, in accordance with your
national legislation.

By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health
and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products, please contact your local municipality, your waste disposal service or
the point of sale where you purchased the items.

For business users in the European Union:

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union:

This symbol is only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for
the correct method of disposal.

* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA.
The above warning is located on the bottom of the unit.

## IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

### WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

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The model number, serial number, power requirements, etc., may be found on or near the name plate, which is at the bottom of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

**Model No.**

**Serial No.**

---

**EXPLANATION OF GRAPHICAL SYMBOLS**

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

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**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

---

**CAUTION**

Risk of Electric Shock
Do not open

---

**WARNING**

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

---

**OBSERVERA!**

Apparaten kopplas inte ur växelströmskällan (nätet) så länge som den är ansluten till vägguttaget, även om själva apparaten har stängts av.

**ADVAREL:** Netspændingen til dette apparat er IKKE afbrudt, sålænge netledningen sidder i en stikkontakt, som er tændt — også selvom der er slukket på apparatets afbryder.

**VAROITUS:** Laitteen toisiopiiriin kytketty käyttökytkin ei irroita koko laitetta verkosta.
**PRECAUTIONS**

**PLEASE READ CAREFULLY BEFORE PROCEEDING**

Please keep this manual in a safe and handy place for future reference.

---

**WARNING**

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

**Power supply/Power cord**
- Do not place the power cord near heat sources such as heaters or radiators. Also, do not excessively bend or otherwise damage the cord, or place heavy objects on it.
- Only use the voltage specified as correct for the instrument. The required voltage is printed on the name plate of the instrument.
- Use only the supplied power cord/plug.
- Check the electric plug periodically and remove any dust or dirt which may have accumulated on it.
- Be sure to connect to an appropriate outlet with a protective grounding connection. Improper grounding can result in electrical shock.

**Water warning**
- Do not expose the instrument to rain, use it near water or in damp or wet conditions, or place it on any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the instrument, turn off the power immediately and unplug the power cord from the AC outlet. Then have the instrument inspected by qualified Yamaha service personnel.
- Never insert or remove an electric plug with wet hands.

**Fire warning**
- Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.

**If you notice any abnormality**
- When one of the following problems occur, immediately turn off the power switch and disconnect the electric plug from the outlet. Then have the device inspected by Yamaha service personnel.
  - The power cord or plug becomes frayed or damaged.
  - It emits unusual smells or smoke.
  - Some object has been dropped into the instrument.
  - There is a sudden loss of sound during use of the instrument.

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**CAUTION**

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the instrument or other property. These precautions include, but are not limited to, the following:

**Power supply/Power cord**
- Do not disconnect the instrument to an electrical outlet using a multiple-connector. Doing so can result in lower sound quality, or possibly cause overheating in the outlet.
- When removing the electric plug from the instrument or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.
- Remove the electric plug from the outlet when the instrument is not to be used for extended periods of time, or during electrical storms.

**Location**
- Radio waves may affect electro-medical devices.
  - Do not use this product near medical devices or inside areas in which the use of radio waves is restricted.
  - Do not use this product within 15cm (6 in.) of persons with a heart pacemaker implant.

**Connections**
- Before connecting the instrument to other electronic components, turn off the power for all components. Before turning the power on or off for all components, set all volume levels to minimum.
- Be sure to set the volumes of all components at their minimum levels and gradually raise the volume controls while playing the instrument to set the desired listening level.

**Handling caution**
- Do not insert a finger or hand in any gaps on the instrument.
- Never insert or drop paper, metallic, or other objects into the gaps on the panel. This could cause physical injury to you or others, damage to the instrument or other property, or operational failure.
- Do not rest your weight on, or place heavy objects on the instrument, and do not use excessive force on the buttons, switches or connectors.
- Do not use the instrument/device or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.

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Yamaha cannot be held responsible for damage caused by improper use or modifications to the instrument, or data that is lost or destroyed.

Always turn the power off when the instrument is not in use.

Even when the [Standby/On] switch is in standby status (display is off), electricity is still flowing to the instrument at the minimum level.

When you are not using the instrument for a long time, make sure you unplug the power cord from the wall AC outlet.
**Notices and Information**

**NOTICE**

To avoid the possibility of malfunction/damage to the product, damage to data, or damage to other property, follow the notices below.

**Handling**
- Do not use the instrument in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the instrument, TV, or radio may generate noise. When you use the instrument along with an application on your iPad, iPhone or iPod touch, we recommend that you set “Airplane Mode” to “ON” on that device in order to avoid noise caused by communication.
- Do not expose the instrument to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel disfigurement, damage to the internal components or unstable operation. (Verified operating temperature range: 5° – 40°C, or 41° – 104°F.)
- Do not place vinyl, plastic or rubber objects on the instrument, since this might discolor the panel or keyboard.

**Maintenance**
- When cleaning the instrument, use a soft cloth. Do not use paint thinners, solvents, alcohol, cleaning fluids, or chemical-impregnated wiping cloths.

**Saving data**
- Edited Song/Style/Voice/MIDI setup data, etc. are lost when you turn off the power to the instrument without saving. This also occurs when the power is turned off by the Auto Power Off function (page 24). Save the data to the instrument, or to USB flash drive/an external device such as a computer (page 37). Saving the data to USB flash drive/an external device is even more secure, since the data in the instrument may be lost due to some failure, an operation mistake, etc. Before using a USB flash drive, make sure to refer to page 111.
- To protect against data loss through USB flash drive damage, we recommend that you save your important data onto spare USB flash drive or an external device such as a computer as backup data.
- System Setup data (data other than the edited Song/Style/Voice/MIDI setup data, etc.) is automatically stored, when you change the settings in a display page and then exit from that page. However, the data is lost if you turn off the power without properly exiting from the relevant display. For information about the System Setup data, refer to the Parameter Chart of the Data List on the website.
- If the power switch is not turned on for longer than about a week, the time (clock) setting may be lost.
**Information**

- **About copyrights**
  - Copying of the commercially available musical data including but not limited to MIDI data and/or audio data is strictly prohibited except for your personal use.
  - This product incorporates and bundles contents in which Yamaha owns copyrights or with respect to which Yamaha has license to use others’ copyrights. Due to copyright laws and other relevant laws, you are NOT allowed to distribute media in which these contents are saved or recorded and remain virtually the same or very similar to those in the product.
    * The contents described above include computer applications, Accompaniment Style data, MIDI data, WAVE data, voice recording data, a score, score data, etc.
    * You are allowed to distribute media in which your performance or music production using these contents is recorded, and the permission of Yamaha Corporation is not required in such cases.

- **About functions/data bundled with the instrument**
  - Some of the preset songs have been edited for length or arrangement, and may not be exactly the same as the original.
  - This device is capable of using various types/formats of music data by optimizing them to the proper format music data for use with the device in advance. As a result, this device may not play them back precisely as their producers or composers originally intended.
  - The bitmap fonts used in this instrument have been provided by and are the property of Ricoh Co., Ltd.

Yamaha may from time to time update firmware of the product without notice for improvement in functions and usability. To take full advantage of this instrument, we recommend that you upgrade your instrument to the latest version. The latest firmware can be downloaded from the website below:

https://download.yamaha.com/
Copyright Notice

The followings are the titles, credits and copyright notices for the songs pre-installed in this instrument.

Eye Of The Tiger
Theme from ROCKY III
Words and Music by Frank Sullivan and Jim Peterik
Copyright (c) 1982 Sony/ATV Music Publishing LLC, Rude Music, Three Wise Boys LLC, WB Music Corp. and Easy Action Music
All Rights on behalf of Sony/ATV Music Publishing LLC, Rude Music and Three Wise Boys LLC Administered by Sony/ATV Music Publishing LLC, 424 Church Street, Suite 1200, Nashville, TN 37219
All Rights on behalf of Easy Action Music Administered by WB Music Corp.
International Copyright Secured  All Rights Reserved

Game Of Thrones
Theme from the HBO Series GAME OF THRONES
By Ramin Djawadi
Copyright (c) 2011 TL MUSIC PUBLISHING
All Rights Administered by UNIVERSAL MUSIC CORP.
All Rights Reserved  Used by Permission

The Girl From Ipanema (Garôta De Ipanema)
Music by Antonio Carlos Jobim
English Words by Norman Gimbel
Original Words by Vinicius de Moraes
Copyright (c) 1963 ANTONIO CARLOS JOBIM and VINICIUS DE MORAES, Brazil
Copyright Renewed 1991 and Assigned to SONGS OF UNIVERSAL, INC. and WORDS WEST LLC
English Words Renewed 1991 by NORMAN GIMBEL for the World and Assigned to WORDS WEST LLC (P.O. Box 15187, Beverly Hills, CA 90209 USA)
All Rights Reserved  Used by Permission

Living Next Door To Alice
Words and Music by Nicky Chinn and Mike Chapman
Copyright (c) 1977 by Universal Music - MGB Songs
Copyright Renewed
International Copyright Secured  All Rights Reserved

Love Really Hurts Without You
Words and Music by Ben Findon and Les Charles
(c) 1984 EMI MUSIC PUBLISHING LTD.
All Rights in the U.S. and Canada Controlled and Administered by EMI LONGITUDE MUSIC
All Rights Reserved  International Copyright Secured  Used by Permission

Moon River
from the Paramount Picture BREAKFAST AT TIFFANY’S
Words by Johnny Mercer
Music by Henry Mancini
Copyright (c) 1961 Sony/ATV Music Publishing LLC
Copyright Renewed
All Rights Administered by Sony/ATV Music Publishing LLC, 424 Church Street, Suite 1200, Nashville, TN 37219
International Copyright Secured  All Rights Reserved

More Than Words
Words and Music by Nuno Bettencourt and Gary Cherone
Copyright (c) 1990 COLOR ME BLIND MUSIC
All Rights Administered by ALMO MUSIC CORP.
All Rights Reserved  Used by Permission

A Sky Full Of Stars
Words and Music by Guy Berryman, Jon Buckland, Will Champion, Chris Martin and Tim Bergling
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All Rights for Universal Music Publishing MGB Ltd. in the United States and Canada Administered by Universal Music - MGB Songs
All Rights for EMI Blackwood Music Inc. Administered by Sony/ATV Music Publishing LLC, 424 Church Street, Suite 1200, Nashville, TN 37219
International Copyright Secured  All Rights Reserved

Wake Me Up!
Words and Music by Aloe Blacc, Tim Bergling and Michael Einziger
(c) 2013 WB MUSIC CORP., ALOE BLACC PUBLISHING, EMI MUSIC PUBLISHING SCANDINAVIA AB, UNIVERSAL MUSIC CORP. and ELEMENTARY PARTICLE MUSIC
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Hulapalu
Words and Music by Andreas GABALIER
© 2015 by Edition Stall c/o Melodie der Welt GmbH & Co.KG, 60313 Frankfurt am Main
Congratulations!

You are the proud owner of an extraordinary electronic keyboard. In addition to its stylish curved design, the Yamaha Genos combines the most advanced tone generation technology with state-of-the-art digital electronics to give you stunning sound with maximum musical versatility—a beautiful instrument from every perspective.

In order to make the most of your Genos’s features and vast performance potential, we urge you to read the manual thoroughly while trying out the various features described. Keep the manual in a safe place for later reference.

---

**Included Accessories**

- Owner’s Manual (this book)
- Online Member Product Registration
- AC Power Cord
- Music Rest, two Music Rest Brackets
This instrument has the following documents and instructional materials.

**Included Documents**

- **Owner’s Manual (this book)**
  Provides overall explanations of Genos basic functions.

**Online Materials (Downloadable from the web)**

- **Reference Manual (only in English, French, German, Italian, Dutch, and Polish)**
  Explains advanced features of the instrument, such as creating original Styles, Songs and Multi Pads, and making the settings of specific parameters.

- **Data List**
  Contains various important preset content lists such as Voices, Styles, Effects, as well as MIDI-related information.

- **iPhone/iPad Connection Manual (page 112)**
  Explains how to connect the instrument to smart devices, such as an iPhone, iPad, etc.

- **Computer-related Operations (page 113)**
  Includes instructions on connecting the instrument to a computer, and operations related to transferring song data.

To obtain these materials, access the Yamaha Downloads, enter “Genos” to the Model Name box, then click [Search].

**Yamaha Downloads**
https://download.yamaha.com/

- The illustrations and LCD screens as shown in this manual are for instructional purposes only, and may appear somewhat different from those on your instrument.
- Windows is a registered trademark of Microsoft® Corporation in the United States and other countries.
- iPhone, iPad, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.
Main Features

Replacing the hugely successful Tyros, Genos is the new benchmark in Digital Workstation sound, design and user experience. Whether you’re a professional musician or a hobbyist, Genos will inspire and intensify your musical performance and enjoyment.

- **Extraordinarily expressive and realistic Voices**
  The sonic quality of every Voice in Genos is beyond any other Digital Workstation you’ve ever played—this instrument is quite simply a game changer. Everything you hear, whether it be the beautiful CFX piano, the lush strings or the punchy new Revo Drums, it just blows you away!

- **Powerful DSP effect processing for enhancing the sound**
  From Reverb to Distortion, Rotary Speaker to Compressor, Genos boasts unprecedented DSP power. Using the same VCM technology as Yamaha’s professional high-end mixing consoles, Genos has the tools to create a perfect sound. Not only do the effects sound great, they look great, too—with stunning graphical user interfaces.

- **Accompaniment Styles**
  Whatever genre of music you wish to perform, Genos is ready to accompany you with world-class arrangements, punchy drums and up to four times the DSP power of previous Digital Workstations. Never has there been a more perfect personal backing band.

- **Versatile real-time controller—LIVE CONTROL**
  Instantly shape your sound with the all new LIVE CONTROL surface. A wide variety of functions can be assigned to the LIVE CONTROL knobs and sliders with the LIVE CONTROL view providing instant visual confirmation of your adjustments without interrupting the main display.

- **Voice and Style expandability with the Yamaha Expansion Manager**
  With Yamaha Expansion Manager software on your computer you can continually expand the onboard content of your Genos by creating and installing your own custom or purchased Packs. Supporting WAV, AIFF and even SoundFont and REX formats, the scope of possibilities for new sounds and styles is virtually unlimited.

- **Quick and easy set up with Playlist and Registration**
  Playlist is the new way to quickly setup Genos, no matter how large your repertoire is. Organize your Registration Memories into convenient Playlists for instant recall during performance.

- **Audio Function**
  Cross fade between two audio files with the new Dual Player or assign your own audio data on the Multi Pad, the creative potentials are huge. You can even record your performance directly to a high quality audio file ready to easily share.

### Compatible formats for the instrument

- **GM (General MIDI)** is one of the most common Voice allocation formats. GM System Level 2 is a standard specification that enhances the original GM format and improves Song data compatibility. It provides for increased polyphony, greater Voice selection, expanded Voice parameters, and integrated effect processing.

- **XG** is a major enhancement of the GM System Level 1 format, and was developed by Yamaha specifically to provide more Voices and variations, as well as greater expressive control over Voices and effects, and to ensure compatibility of data well into the future.

- **GS** was developed by the Roland Corporation. In the same way as Yamaha XG, GS is a major enhancement of the GM specifically to provide more Voices and Drum kits and their variations, as well as greater expressive control over Voices and effects.

- **XF** (Standard MIDI File) is a software standard that supports SMF (Standard MIDI File) data.

- **SFF (Style File Format)** is an original Style file format by Yamaha which uses a unique conversion system to provide high-quality automatic accompaniment based on a wide range of chord types. SFF GE (Guitar Edition) is an enhanced format of SFF, which features improved note transposition for guitar tracks.

- **AEM (Articulation Element Modeling)** is the trademark of Yamaha’s leading-edge tone generation technology. For information on AEM, refer to the Reference Manual on the website.
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   - Setting Up Song Playback ................................................................................................. 72  
   - Applying Effects to the Microphone Sound (Vocal Harmony) ............................................ 76
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Using Genos—A Broad Overview

This section provides a helpful overview of the wide range of functions available in Genos, and places you can find necessary information on those topics. If you need help in understanding a feature, function or operation—or need to have a general understanding of what Genos can do and how to effectively use it—look through this section.

Genos Owner’s Manual (this book). The relevant chapter names are shown after this symbol. For detailed information on each chapter, see “Contents” (page 12).

* : This material can be obtained from the Yamaha Downloads website (page 10).

Using Genos by itself

- Understanding the basic features and operations of Genos
- Making basic connections and setting for Genos
- Setting and playing for a single song
  - Playing the keyboard with Styles
  - Singing with Song playback
- Storing and calling up your original setups
- Easily managing a large repertoire of Songs
- Simply recording a performance with Quick Recording
- Using applications in the Menu display (summary)
- Connecting devices
  (a microphone, USB flash drive, etc.)
- Recording a performance in separate parts with Multi Recording
- Using applications in the Menu display (detailed)
- Creating your own original contents
  (Styles, Voices by editing presets, Multi Pads)
Using Genos with a computer

- Connecting a computer to the instrument
- Transferring files (Songs, Styles, Backup files, etc)
- Playing back Songs on a computer via the instrument sounds
- Recording your keyboard performance to a computer
- Obtaining the Expansion Packs made by Yamaha (also called “Premium Packs”)
- Managing Expansion Pack data
- Installing Expansion Pack data to the instrument
- Creating your own original Expansion Packs
- Creating your own original contents
  - Creating new Voices from scratch (using your own recorded waveform files)
- Installing Expansion Pack data to the instrument (additional instructions)
- Converting XG/GM MIDI Song data to the specially enhanced data for Genos

Using Genos with an iPhone/iPad

- Connecting an iPhone/iPad to the instrument
- Getting iPhone/iPad applications and using them together with Genos

Connections

Computer Related Operations (*)

Yamaha MusicSoft website 
https://www.yamahamusicsoft.com/sound-and-expansion-libraries/

Yamaha Expansion Manager (*) Owner’s Manual 
(Bundled with the software)

Reference Manual (*)

MEGAEnhancer (*) Owner’s Manual 
(Bundled with the software)

Connections

iPhone/iPad Connection Manual (*)

Refer to explanation of each application page on the website below. 
https://www.yamaha.com/kbdapps/
Main Functions

This section briefly explains the main functions of Genos, to help you better understand the overall capabilities of the instrument.

Styles—Rhythm and Auto Accompaniment—
Genos features a variety of accompaniment and rhythmic backing patterns (called “Styles”) in a variety of different musical genres including pop, jazz, and many others. Styles feature sophisticated Auto Accompaniment patterns, letting you produce automatic accompaniment playback simply by playing chords with your left hand. This lets you automatically recreate the sound of a full band or orchestra—even if you’re playing by yourself.

Voices—The individual sounds of Genos—
Genos features a wide variety of exceptionally realistic instrumental Voices, including piano, guitar, strings, brass, wind instruments and more. The Voices can be played manually on the keyboard, and they are also used by the Styles, MIDI Songs, and Multi Pads.

Multi Pads—Adding musical phrases to your performance—
The Multi Pads can be used to play a number of short pre-recorded rhythmic and melodic sequences that can be used to add impact and variety to your keyboard performances. Multi Pads are grouped in Banks of four phrases each. Genos features a variety of Multi Pad Banks in a variety of different musical genres. Moreover, the Audio Link Multi Pad function allows you to create unique, new pad content with your own audio (WAV) data for playing back during your performance.

Songs—Playing back MIDI/audio files—
For Genos, the term “Song” refers to MIDI or audio data, such as preset songs, commercially available files, etc. Not only can you play back a Song and listen to it, but you can also play the keyboard along with Song playback. Song playback features two modes: Dual Player mode and Song List mode.
  • Dual Player: Plays back two Audio Songs (or one Audio Song and one MIDI Song) simultaneously and makes a smooth transition between the two.
  • Song List: Plays back Songs continuously according to a previously created Song List.

Mic Effects—Adding harmony vocals and synth vocoder effects to your singing—
By connecting a microphone to the MIC [INPUT] jack (either XLR or standard 1/4” phone plug connectors), you can enjoy singing along with your keyboard performance or with Song playback. The instrument outputs your vocals through the connected speaker system.
Moreover, you can automatically apply various Vocal Harmony effects to your voice as you sing, or you can use the Synth Vocoder feature to graft the unique characteristics of your voice onto synthesizer and other sounds.
Registration Memory—Saving and recalling custom panel setups—
The Registration Memory function allows you to save (or “register”) virtually all panel settings to a Registration Memory button, and then instantly recall your custom panel settings by simply pressing a single button. The registered settings for ten Registration Memory buttons are saved as a single Registration Bank (file).

Playlist—Managing large amounts of songs and settings—
The Playlist function makes it easy to manage and call up your songs and the related settings, no matter how numerous. The Playlist allows you to recall a specific song from more than 10 songs by a simple, single step. Up to 2500 songs can be registered in the Playlist, and you can call up the panel settings corresponding to each song by one tap.

Recording—Recording your performances—
Genos allows you to record your performance and save it as a MIDI file in SMF format. Genos also lets you record your performances as audio data (WAV) to internal User drive. In addition, each way of recording also features two convenient recording methods, Quick Recording and Multi Recording.
Panel Controls and Terminals

■ Top Panel

1 [Standby/On] switch .................................. Page 23
   Turns on the instrument’s power or sets to standby.
2 [MASTER VOLUME] dial .............................. Page 23
   Adjusts the overall volume.
3 [MIC GAIN] knob ................................ Page 106
   Adjusts the input sensitivity from the MIC INPUT jack.
4 MIC buttons ............................................. Page 85
   For adding various effects to and controlling the Microphone input.
5 UPPER OCTAVE buttons ............................. Page 61
   Shifts the pitch of the keyboard in octave steps.
6 [ROTARY SP /ASSIGNABLE] button ............. Page 63
   Controls the rotary speaker effect or the assigned function.
7 [ART. 1]/[ART. 2]/[ART. 3] buttons .............. Page 68
   Controls Super Articulation Voices.
8 Joystick, [MODULATION HOLD] button ....... Page 66
   For using pitch bend or modulation functions.
9 [PHONES] jack ........................................ Page 22
   For connecting a pair of headphones.
10 Cross Fader ............................................ Page 85
   Adjusts the volume balance between the Songs of SONG A and SONG B sides.
11 SONG A/SONG B buttons ............................ Page 78
   For selecting Songs and controlling Song playback.
12 [RECORDING] button ........................... Pages 29, 90
   For calling up the Song Recording display.
13 STYLE CONTROL buttons ..................... Pages 44, 64
   For controlling Style playback.
14 [TAP TEMPO]/TEMPO buttons ................. Page 46
   For controlling the tempo for Style, MIDI Song and metronome playback.
15 TRANSPOSE buttons .............................. Page 61
   For transposing the pitch in semitone steps.
16 LIVE CONTROL (view/knobs/sliders) ......... Pages 26, 62
   For controlling sounds in real time.
Panel Controls and Terminals

1. **Touch LCD and related controls** .......................... Page 30
   - Touch LCD and related controls

2. **Gateway buttons** ........................................ Page 28
   - For calling up the Home display and other particular displays directly.

3. **ASSIGNABLE buttons** .................................. Page 100
   - For assigning shortcuts to often used functions.

4. **DIRECT ACCESS button** .......................... Pages 36, 120
   - For instantly calling up the desired display with just a single additional button press.

5. **REGISTRATION MEMORY buttons** .......... Page 92
   - For registering and recalling panel setups.

6. **ONE TOUCH SETTING buttons** .... Pages 47, 60
   - For calling up the appropriate panel settings for the Style.

7. **MULTI PAD CONTROL buttons** .... Pages 59, 70
   - Selects and plays a rhythmic or melodic Multi Pad phrase.

8. **VOICE SELECT buttons** ............................... Page 52
   - Selects a Voice for each of the keyboard parts.

9. **PART ON/OFF buttons** ............................... Page 48
   - Turns each of the keyboard parts on or off.

10. **[HARMONY/ARPEGGIO] button** ............... Page 56
    - Applies the Harmony or Arpeggio to the right-hand Voices.

11. **[SUSTAIN] button** .......................... Page 67
    - Applies the Sustain to the right-hand Voices.

12. **[USB TO DEVICE] terminal** ............... Page 111
    - For connecting a USB flash drive.

**Panel Setup (Panel Settings)**

By using the controls on the panel, you can make various settings as described here. These settings of the instrument are together referred to as “panel setup” or “panel settings” in this manual.
Rear Panel and Bottom

 Slots ......................................................... Pages 20, 118
 The four slots nearest the display panel are for connecting the music rest brackets; the other slots are for connecting the speaker brackets of the optional GNS-MS01 speakers.

 [TO RIGHT SPEAKER] jack................. Page 118
 For connecting an optional set of speakers.

 [TO SUB WOOFER] terminal............... Page 118
 For connecting an optional set of speakers.

 MIDI terminals................................. Page 113
 For connecting external MIDI devices.

 [USB TO DEVICE] terminal .......... Page 111
 For connecting a USB flash drive.

 [USB TO HOST] terminal............... Page 113
 For connecting to computer, or an optional wireless MIDI adaptor.

 [DIGITAL OUT] jack......................... Page 109
 For connecting audio devices such as a stereo system.

 ASSIGNABLE FOOT PEDAL jacks ........ Page 110
 For connecting footswitches and/or foot controllers.

 LINE OUT jacks................................. Page 108
 For connecting audio devices such as a stereo system.

 AUX IN jacks................................. Page 109
 For connecting audio devices such as a portable audio player.

 MIC INPUT jack ............................... Page 106
 Combo jack for connecting a microphone.
 (The combo jack accepts either XLR or 1/4" phone plug connectors.)

 [+48V] switch............................... Page 106
 Turns on and off the phantom power. When you turn this switch on, phantom power will be supplied to the

Attaching the Music Rest

1. Attach the two music rest brackets to the inside slots on the rear panel.
2. Attach the music rest to the brackets.

![Attaching the Music Rest Diagram]
Panel Controls and Terminals

XLR jack connected to the MIC INPUT jack. Only turn this switch on/off after connecting a phantom powered condenser microphone to the device. Always turn the phantom power switch to OFF when it is not required.

**NOTICE**

When using phantom power, observe the following to prevent noise and possible damage to Genos or connected equipment.

- Do not connect or disconnect any devices while the phantom power switch is ON.
- Set all output level controls to the minimum before turning the phantom power switch to ON or OFF.
- When connecting a device not requiring phantom power to the MIC INPUT jack, make sure to turn the phantom power switch to OFF.

---

Using the USB TO DEVICE terminal underneath the instrument

Genos has a convenient extra USB TO DEVICE terminal underneath the instrument, allowing you to semi-permanently install USB flash drive that will always be available and be protected from harm or loss.

Before following the steps below, make sure you have a Philips screwdriver. Also, before using a USB flash drive, refer to “Connecting USB Devices” on page 111.

1. Remove the screw from cover.
2. Open the cover.
   The USB TO DEVICE terminal appears.
3. Connect the USB flash drive.
4. Close the cover, and tighten the screw removed in Step 1.

**NOTE**

Keep the removed screw in a safe space. It will be used when closing the cover.

---
Starting Up

Audio Connections

Connecting headphones or a speaker system

Since the instrument has no built-in speakers, you’ll need to use external equipment, such as headphones or a speaker system, to hear the sound of the instrument.

- **Using headphones**
  Connect a set of headphones to the [PHONES] jack.

- **Using a speaker system**
  For instructions on installing the optional speakers GNS-MS01, refer to page 118. For instructions on connecting other speakers, refer to page 108.

![Connecting headphones or a speaker system](image)

**CAUTION**
Do not listen with the headphones at high volume for long periods of time. Doing so may cause hearing loss.

Connecting a microphone

By connecting a microphone to the [MIC INPUT] jack (either XLR or standard 1/4" phone plug connectors), you can sing along with your keyboard performance or with Song playback. For instructions on connecting a microphone, refer to page 106.

![Connecting a microphone](image)
**Power Supply**

1. Connect the supplied power cord to the [AC IN] jack on the instrument’s rear panel.

2. Connect the other end of the power cord to an AC outlet.

---

**Turning the Power On/Off**

1. Turn down the [MASTER VOLUME] dial to “MIN.”

2. Press the [ ] (Standby/On) switch to turn the power on.

   The Home display (page 30) appears. Adjust the volume as desired while playing the keyboard.

3. After you finish using the instrument, turn off the power by pressing and holding the [ ] (Standby/On) switch for about a second.
Auto Power Off and Auto Power Saving functions

To prevent unnecessary power consumption, this instrument features an Auto Power Off function that automatically turns the power off if the instrument is not operated for a specified period of time. The amount of time that elapses before the power is automatically turned off is approximately 30 minutes by default; however, you can change the setting (page 25).

This instrument also features an Auto Power Saving function that automatically decreases brightness of the LIVE CONTROL view if the instrument is not operated for a specified period of time. The amount of time that elapses before the brightness decreases is approximately 5 minutes by default; however, you can change the setting (page 25).

Disabling Auto Power Off and Auto Power Saving (simple method)

Turn the power on while holding down the lowest key on the keyboard. A message appears briefly and Auto Power Off and Auto Power Saving are disabled.

Making Basic Settings

As necessary, make basic settings for the instrument, such as the language shown on the display.

1 Call up the Utility operation display.

   First, press the [MENU] button to call up the Menu display. Then touch [Menu 2] to move to page 2 on the display (if necessary), and touch [Utility].

2 Touch [System] on the display.

3 Make the necessary settings by touching the display.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language</td>
<td>Determines the language used in the display for menu names and messages. Touch this setting to call up the language list, then select the desired one.</td>
</tr>
<tr>
<td>Owner name</td>
<td>Lets you input your name which appears in the opening display (called up when the power is turned on). Touch this setting to call up the character entry window, then input your name (page 40).</td>
</tr>
</tbody>
</table>
### Changing the Brightness of Lighting Buttons

Here you can change the brightness of the lighting buttons.

1. **Call up the operation display (Utility) (step 1 on page 24).**
2. **Call up the “Touch Screen/Display” display.**
   Touch [Touch Screen/Display] on the display.
3. **Change the settings by touching the display.**

| Button Lamps | Touch [◄]/[►] to adjust the brightness of the lighting buttons. |

---

Auto Power Saving | Lets you set the amount of time that elapses before the Auto Power Saving function decreases brightness of the LIVE CONTROL view. Touch this to call up the list of settings, then select the desired one. To disable Auto Power Saving, select “Disabled” here.
---

Auto Power Off | Lets you set the amount of time that elapses before the power is turned off by the Auto Power Off function (page 24). Touch this to call up the list of settings, then select the desired one. To disable Auto Power Off, select “Disabled” here.

For information on the other items in this display, refer to the Reference Manual on the website (page 10).
Genos has two displays (the LCD Touch Screen and the LIVE CONTROL view) and lighting buttons for visually helping you to understand the current status.

**LIVE CONTROL view (Sub Display)**
The LIVE CONTROL view indicates the parameters operated when you use the six LIVE CONTROL knobs and nine LIVE CONTROL sliders. For details on the display structure, see page 27.

**LCD (Main Display; touch screen)**
The LCD indicates the parameters and values related to the currently selected operation. You can operate by touching the “virtual” buttons or sliders on the display. For details on the display structure, see page 28.

**Lighting buttons**
These buttons indicate the corresponding function statuses by lighting on/off, flashing, or changing colors. For details on the lighting indications and conventions, refer to each description of the functions.
LIVE CONTROL View (Sub Display) Structure

In the LIVE CONTROL view, you can see the parameters status controlled by the LIVE CONTROL knobs and the LIVE CONTROL sliders. There are two displays: knobs and sliders, and you can switch between these two displays while operating the instrument. To switch between the displays without changing parameter values, simply press the [KNOB ASSIGN]/[SLIDER ASSIGN] buttons.

The LIVE CONTROL knobs display

Displays number of Knob Assign Type (page 62)

<table>
<thead>
<tr>
<th>Cutoff</th>
<th>Resonance</th>
<th>Attack</th>
<th>Release</th>
<th>Reverb</th>
<th>Chorus</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>17</td>
<td>0</td>
</tr>
</tbody>
</table>

Displays parameter currently being controlled by corresponding knob.

Operating one of the sliders or Pressing the [SLIDER ASSIGN] button

Operating one of the knobs or Pressing the [KNOB ASSIGN] button

The LIVE CONTROL sliders display

Displays number of Slider Assign Type (page 62)

<table>
<thead>
<tr>
<th>St. Vol</th>
<th>Mf. Ped</th>
<th>Left</th>
<th>Right1</th>
<th>Right2</th>
<th>Right3</th>
<th>SonoA</th>
<th>SonoB</th>
<th>Mf. Co</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>85</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

Displays parameter currently being controlled by corresponding slider.

NOTE

Pressing the [KNOB ASSIGN] button while the knobs display is already shown or pressing the [SLIDER ASSIGN] button while the sliders display is already shown switches the Assign Type of the corresponding controller group. For details on switching Assign Types, see page 62.
Main Display Structure—Using the Gateway Buttons

The Gateway buttons are just as their name suggests—a convenient, easy-to-understand “gateway” to Genos. When the instrument is turned on, the Home display is called up. However, as you operate the instrument, you can directly call up the Home display and other desired displays directly by pressing the Gateway buttons on the front panel. Other functions and various detailed settings for the instrument can be accessed from the Menu display. Also, depending on the particular function, you can call up the File Selection display to select desired files.

**Home display**
This is portal of the instrument’s display structure, which provides at-a-glance information on all current settings.

**Style Selection display**
This is a type of “File Selection” display (page 32) for selecting Styles.

**Song Playback display**
This is for controlling Song playback (pages 72, 78.)
Menu display
By touching each of the icons, you can call up various functions, such as Song Score, Volume Balance and other detailed settings. (page 33)

Voice Part Setup display
This is for making detailed settings such as Voice Edit and Effect settings of the keyboard parts. For details on the Voice Part Setup display, refer to the Reference Manual on the website.

Playlist display
This is for selecting and editing Playlists (page 96.)

Song Recording display
This is for recording your performance (page 90.)
Basic Operations

Display Configuration

This section covers the most often used displays: Home, File Selection and Menu. The Home display appears when the power is turned on. The term “File Selection display” refers to all the various displays called up on the instrument from which you can select files. The Menu display is a portal display for various functions and can be called up by pressing the [MENU] button.

Home Display

Appears when the power is turned on, and can be called up when the [HOME] button is pressed. This display shows the current basic settings such as the current Voice and Style, allowing you to see them at a single glance. Because of this, you should normally have the Home display shown when you perform on the keyboard.

1 Voice area
Indicates the current Voices for each of the keyboard parts (Left and Right 1–3) and the on/off status of the four parts. Touching a Voice name calls up the Voice Selection display for the corresponding part.

2 Song area
Indicates information related to Song playback. The information on Song playback is displayed depending on the Song playback mode (page 73). Touching the file name calls up the relevant selection display.

3 Style area
Indicates information for the current Style, the current position of the section playback, the current chord name, and the time signature. Touching a Style name calls up the Style Selection display. When the [ACMP] button is set to on, the chord specified in the chord section of the keyboard will be displayed.

4 Multi Pad area
Indicates the current Multi Pad Bank. Touching a Multi Pad Bank name calls up the Multi Pad Bank Selection display.

5 Information area
Indicates the current status such as microphone-related information, the current Registration Memory. For details, see the next page.

6 Shortcut area
Contains the shortcut icons which let you call up various functions with a single touch. Touching a shortcut icon calls up the display of the corresponding function. You can also register your own custom shortcut icons as desired here, via the Assignable display (page 100).
### Information area in the Home display

1. **Bar/Beat/Tempo**
   - Displays the current position (bar/beat/tempo) in Style playback or MIDI Song playback. By rotating the Data dial, you can call up the Tempo pop-up display and adjust the tempo.

2. **Upper Octave/Transpose**
   - Displays the amount that the upper octave value is shifted, and the amount of master transposition in semitone units (page 61).

3. **Clock**
   - The current time is shown here.

4. **Registration Memory Bank**
   - Indicates the currently selected Registration Memory Bank name and Registration Memory number. Touching a Registration Memory Bank name calls up the Registration Memory Bank Selection display.

5. **Registration Sequence**
   - Appears when the Registration Sequence is active. For instructions on programming the sequence, refer to the Reference Manual on the website.

6. **Vocal Harmony Type name**
   - Indicates the current Vocal Harmony Type (page 76). Touching a Vocal Harmony Type name calls up the Vocal Harmony Type Selection display.

7. **MIC Input level indicator**
   - When a microphone is connected, this indicates the input level. Adjust the level with the [MIC GAIN] knob so that the indicator lights in green or yellow (but not in red). For details on connecting a microphone, refer to page 106.
**File Selection Display**

The File Selection display is for selecting a Voice, Style, Song, Multi Pads and other items. You can call up this display by touching the name of the Voice, Style or Song on the Home display, or by pressing one of the VOICE SELECT buttons or [STYLE] button, etc. The displays are different, depending on which file type is selected. For example, when Voice is selected, the Voice Selection display is called up.

This section explains the display structures common to all types of the File selection displays.

1. **Main Category**
   - Select the Preset, User, or Favorite tab.

<table>
<thead>
<tr>
<th>Preset</th>
<th>Preset data are shown. A wide variety of data such as Voices and Styles are divided into several sub categories (tabs).</th>
</tr>
</thead>
<tbody>
<tr>
<td>User</td>
<td>Location where recorded or edited data is saved. Data saved to the instrument are shown in “User” (User drive), while data in the connected USB flash drive are shown in “USB.” In this manual, data in the User tab are referred to as “User data.”</td>
</tr>
<tr>
<td>Favorite</td>
<td>Location where the data which you have registered as Favorites are shown. This tab may not be shown depending on the data type.</td>
</tr>
</tbody>
</table>

2. **Sub Category / Drives**
   - When the Preset tab is selected in the main categories, the sub categories are shown here according to the data type. For example, various instrument types such as Piano and Organ are shown on the Voice Selection display.
   - When the User tab is selected, the drives available are shown as sub categories.

3. **Selectable data (files)**
   - The files that can be selected are shown. If two or more pages are available, you can call up another page by touching the desired page tab at the bottom of this area.

4. **Folder Path**
   - The current path or folder is shown here according to the folder structure.

5. **Operation icons**
   - The functions (save, copy, delete, etc.) which can be operated via the File Selection display are shown. The icons shown here differ depending on which File Selection display is selected. For detailed instructions, refer to “File Management” (page 37), or the instructions for each function’s File Selection display.
Menu Display

This is the portal display for using various functions and can be called up by pressing the [MENU] button.

Various convenient functions are shown via icons. Touching each of them calls up the corresponding function. This list consists of two pages, which you can select by touching [Menu 1] or [Menu 2].

For brief information on each function, refer to the “Function List” (page 116).

Instruction conventions for the Menu display
Throughout this manual, instructions with multiple steps are given in convenient shorthand, with arrows indicating the proper sequence.

Example: [MENU] \rightarrow [Utility] \rightarrow [System] \rightarrow [Language]

The example above describes a four step operation:
1) Press the [MENU] button to call up the Menu display.
2) From the Menu display, Touch [Utility].
3) Touch [System].
4) Touch [Language].

Closing the Current Display

To close the current display, press the [EXIT] button or touch \( \times \) at the upper right of the display (or window) or [Close] at the lower right of pop-up displays. When a message (information or confirmation dialog) appears, touching the appropriate item such as “Yes” or “No” closes the message.

If you want to quickly return to the Home display, press the [HOME] button on the panel.
Display-based Controls

The display of this instrument is a special touch screen that allows you to select or change the desired parameter by simply touching the corresponding setting on the display. You can also decrease/increase the value in small steps by rotating the Data dial or pressing the [DEC]/[INC] button.

Using the display (touch screen)

**NOTICE**

Do not use any sharp or hard tools to operate the touch screen. Doing so may damage the display.

**NOTE**

Keep in mind that operation by simultaneously touching two or more points on the display is not possible.

- **Touch**
  
  To select an item, lightly touch the corresponding indication on the display.

- **Slide**
  
  Hold down the display slider, then slide your finger vertically or horizontally to change the parameter value.

- **Rotate**
  
  Touch and hold the display knob, and rotate your finger around the knob to change the parameter value.

- **Touch and hold**
  
  This instruction means to touch the object in the display and hold it for a while.
  
  When setting values by using the [◄]/[►] buttons, a slider or a knob, you can restore the default value by touching and holding the value on the display.

**NOTICE**

If you find the system sounds (produced when touching the display) distracting, you can turn them on/off from [MENU] → [Utility] → [Display/Touch Screen] → Touch Screen [Sound].

**NOTE**

In the case of a vertical slider, the slide operation is only effective for the slider when it is selected. To select a slider, touch it once. The selected state is indicated by a surrounding orange frame.

**NOTE**

The rotate operation is only effective for the knob when it is selected. To select a knob, touch it once. The selected state is indicated by a surrounding orange frame.
Using the Data dial, [ENTER] button, and [DEC]/[INC] buttons

Depending on the display, the Data dial and the buttons can be used in the following two ways.

**Adjusting the parameter values**

After selecting the desired parameter, use the Data dial or the [DEC]/[INC] buttons to adjust the value. This is useful if you have difficulty adjusting by touching on the display, or want finer control over the adjustment.

**Loading/Selecting an item from a list**

When a list such as File Selection displays or pop-up windows for setting parameters, use the Data dial and the [DEC]/[INC] buttons to select an item.
Calling up the Desired Display Instantly—Direct Access

With the convenient Direct Access function, you can instantly call up the desired display—with just a single additional button press. Refer to the “Direct Access Chart” on page 120 for a list of the displays that can be called up with the Direct Access function.

1 Press the [DIRECT ACCESS] button.
   A message appears in the display prompting you to press the appropriate button.

2 Press the button (or move the knob, slider, joystick or connected pedal) corresponding to the desired setting display to instantly call up that display.
   For example, pressing one of the REGISTRATION MEMORY [1]–[10] buttons calls up the Regist Bank Info display (page 95).

Playing the Demos

The Demos provide dynamic demonstrations of the high-quality sounds.

1 Call up the Demo display via [MENU] → [Demo].

2 Touch the display to show and play the desired Demo.

3 Press the [EXIT] button to exit from the Demo display.

**NOTE**

To return to the higher level menu, touch (Menu) on the display.
File Management

Data you have created such as recorded Song and edited Voice can be saved as files to the instrument (referred to as “User drive”) and a USB flash drive. If you’ve saved a lot of files, you may have trouble finding the desired file quickly. To make operation easier, you can organize your files in folders, rename the files, delete unnecessary files, etc. These operations are done in the File Selection display.

Restrictions for Preset Songs
Preset Songs are copy protected to prevent illegal copying or accidental erasure. These cannot be copied, moved, and saved to any other place, and cannot be deleted.

Saving a file

You can save your original data (such as Songs you’ve recorded and Voices you’ve edited) as a file to the User drive or the USB flash drive in the File Selection display (page 32).

1 In the relevant File Selection display (*), touch (File Edit) to call up the File Edit pop-up window.
   * For example, the display shown below (Voice Selection) is called up via VOICE SELECT [RIGHT 1] button.

2 Touch [Save] to call up the display for selecting the saving destination.

3 Select the location to which you want to save the file.
   To show the next higher level folder, touch (Up).

4 Touch [Save here] to call up the Character Entry window.

5 Enter the file name (page 40).
   Even if you skip this step, you can rename the file at any time (page 38) after saving.
Touch [OK] in the Character Entry window to actually save the file.
The saved file will be automatically located at the appropriate position among the files in alphabetical order.

Creating a new folder

Folders can be created, named and organized as desired, making it easier to find and select your original data.

1 In the File Selection display, touch the User tab (page 32) then select the location to which you want to create a new folder.
   To show the next higher level folder, touch (Up).

2 Touch (File Edit) to call up the File Edit pop-up window.

3 Touch [New Folder] to call up the Character Entry window.

4 Input the name of the new folder (page 40).

Renaming a file/folder

You can rename files/folders.

1 Call up the File Selection display, on which the desired file/folder is shown.

2 Touch (File Edit) to call up the File Edit pop-up window.

3 Touch [Rename] in the File Management menu, to call up the display for selecting the desired file/folder.

4 Select the desired file or folder by touching it.

5 Touch [Rename] at the top of the display to call up the Character Entry window.

6 Input the name of the selected file or folder (page 40).

Copying or moving files

You can copy or cut a file and paste it to another location (folder). You can also copy a folder (without move it) by using the same procedure.

1 Call up the appropriate File Selection display, on which the desired files/folders are shown.

2 Touch (File Edit) to call up the File Edit pop-up window.

3 Touch [Copy] or [Move] in the File Management menu, to call up the display for selecting the desired files/folders.
4 Select the desired files/folders by touching each item.
One or more files/folders can be selected (highlighted). To cancel the selection, touch the same item again.
Touch [Select All] to select all items indicated on the current display including the other pages. To cancel the selection, touch [All Off].

5 Touch [Copy] or [Move] at the top of the display, to call up the display for selecting the destination.

6 Select the desired destination (path) to paste the files/folders.

7 Touch [Copy here] or [Move here] to paste the files/folders you’ve selected in step 4.
The pasted file/folder appears on the display at the appropriate position among the files in alphabetical order.

Deleting files/folders

You can delete files/folders.

1 Call up the appropriate File Selection display, on which the desired files/folders are shown.

2 Touch (File Edit) to call up the File Edit pop-up window.

3 Touch [Delete] in the File Management menu, to call up the display for selecting the desired files/folders.

4 Select the desired files/folders by touching each item.
One or more files/folders can be selected (highlighted). To cancel the selection, touch the same item again.
Touch [Select All] to select all items indicated on the current display including the other pages. To cancel the selection, touch [All Off].

5 Touch [Delete] at the top of the display.
A confirmation message appears. To cancel this operation, touch [No] before going to step 6.

6 Touch [Yes] to actually delete the files/folders you’ve selected in step 3.

Registering files to the Favorite tab

You can call up your favorite or often used Style or Voice files quickly by registering them to the Favorite tab. For details, refer to the Reference Manual on the website (page 10).

Searching for files

You can search for desired files by name, on the display called up via touching (File Search). In the case of Registration Memory Bank files, you can also search for them by specifying other detailed properties. For details, refer to the Reference Manual on the website (page 10).
Entering Characters

This section covers how to enter characters for naming your files/folders, inputting keywords on searching file, etc. Entering characters is done in the display shown below.

1 Touch the character type.
   Touching [Symbol] (or [abc]) switches between entering symbols or Roman letters (and numbers). To switch between entering capital letters or small letters, touch (Shift).

2 Touch [▲]/[▼], rotate the Data dial or press [DEC]/[INC] buttons to move the cursor to the desired location.

3 Input the desired character one by one.
   To delete a single character, touch [Delete]; to delete all characters at once, touch and hold [Delete]. To enter a space, touch the space key indicated in the illustration above.

   To input letters with auxiliary symbols:
   You can input letters with auxiliary symbols such as an umlaut by touching and holding a letter to call up a list. For example, touch and hold “E” to enter “Ë” from the list.

   To select custom icons for files (shown at left of file name):
   You can select custom icons for the file. Touch [Icon] to call up the pop-up window, then select the desired icon.

4 Touch [OK] to finalize the characters (name, keywords, etc.) you have input.
Locking the Panel Settings (Panel Lock)

When the panel settings are locked, nothing happens if you press any panel buttons. For example, when you take a break during your performance and leave the instrument unattended, this feature protects the panel settings from being accessed by others.

1 Call up the Panel Lock display via [MENU] → [Panel Lock].
   The numeric keypad for PIN code entry is called up.

2 Input a four-number PIN code by touching the numeric keypad, then touch [OK] to enter it.
   The panel settings are locked. The main display is also in a lock mode during the panel lock.

3 To unlock the instrument, touch the display, then input the same PIN code you entered in step 2.

   NOTE
   If you have forgotten the PIN code, simply turn the power off and back on again to unlock the instrument.

Using the Metronome

The metronome provides a click sound, giving you an accurate tempo guide when you practice, or letting you hear and check how a specific tempo sounds. When recording without Style playback, turning the metronome on makes your recording sessions much more efficient.

1 Call up the Metronome display via [MENU] → [Metronome].

2 Touch the icon to turn the metronome On/Off.
   For information on the other items on the display, refer to “Metronome Settings” of the Reference Manual on the website.

   NOTE
   The Metronome can also be turned on/off by touching the Metronome On/Off button on each recording display. (page 90)
Quick Guide—For Performing on Genos

- Manual panel settings and performing a single song
  - Playing the keyboard with Styles (Auto Accompaniment)
    - Setting up the Style ... p. 44
    - Optimum panel settings for the current Style (One Touch Setting) ... p. 47
      - Calling up the most appropriate panel settings (Keyboard Parts, Harmony/Arpeggio, or Multi Pads) for the selected Style.
    - Setting up the Voices ... p. 48
      - (Setting up keyboard parts)
    - Setting up Harmony/Arpeggio ... p. 56
  - Singing with Song playback
    - Making Song playback settings ... p. 72

- Storing the song’s panel settings for easy recall
  - Storing the song’s panel settings to Registration Memory ... p. 93
    - For details about Registration Memory and Registration Banks, refer to page 92.

- Calling up the stored panel settings for your performance
  - Selecting the desired Registration Bank file
    - Calling up the Registration Memories 1–10 for the Bank file. (p. 94)
  - Calling up the desired song’s panel settings from the Playlist in a single step
    - Selecting the desired Playlist Record for calling up the corresponding linked Registration Memory. (p. 97)

- Recording your keyboard performance
  - Recording setup: Calling up a Registration Memory from the Playlist, etc.
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Creating a Playlist Record as a shortcut to the Registration Memory.

Editing the Playlist for your live performance set list ... p. 98
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Selecting the desired Registration Memory
Calling up the desired panel settings by pressing the Registration Memory 1–10. (p. 94)

Playing with Styles or Singing with Song playback

Further recording setup
MIDI Quick Recording ... p. 90
Audio Quick Recording ... p. 91

Recording Your performance
Recording your playing and/or singing.
This section gives you basic steps on how to enhance your keyboard performance with Styles (Rhythm and Auto Accompaniment). Go through the various instructions below to completely set up your performance of a single song: Style, Keyboard Part (Voice), Multi Pad, and various types of controllers.

The settings made in this section can be collectively stored in the Registration Memory as one song setting (page 92).

**Setting up Styles**

**Selecting the desired Style and turning Auto Accompaniment (ACMP) on**

1. Press the [STYLE] button to call up the Style Selection display.

2. Touch the desired Style.
   For example, touch the category [Country], and then [Country Folk 8beat].

3. Make sure that the STYLE CONTROL [ACMP] button is turned on.
   When the button is turned on, both the rhythm part and auto accompaniment can be played back during Style playback.

4. If necessary, try out the selected Style.
   Press the STYLE CONTROL [SYNC START] button, then play chords with your left hand.
   To stop Style Playback, press the STYLE CONTROL [START/STOP] button.

---

**Additional Notes:**

- **NOTE**
  You can also call up the Style Selection display via the Home display (page 30).

- **NOTE**
  For basic operations of the Style Selection display, refer to “File Selection Display” (page 32).

- **NOTE**
  The Split Point can be changed as desired (page 49).

At the same time, the specific left-hand section of the keyboard can be used as the Chord section, and chords played in this section are automatically detected and used as a basis for fully automatic accompaniment with the selected Style.
Playing with Styles—Setups

A Style generally consists of eight parts (channels): rhythm, bass, etc. You can add variations and change the feeling of a Style by selectively turning channels on/off or by changing the Voices (page 88).

Style Characteristics
The particular type of Style is indicated the upper left of the Style name in the Style Selection display. The defining characteristics of these Styles and their performance advantages are described below.

- **Session**: These Styles provide even greater realism and authentic backing by mixing in original chord types and changes, as well as special riffs with chord changes, with the Main sections. These have been programmed to add “spice” and a professional touch to your performances of certain songs and in certain genres. Keep in mind, however, that the Styles may not necessarily be appropriate—or even harmonically correct—for all songs and for all chord playing. In some cases for example, playing a simple major triad for a country song may result in a “jazzy” seventh chord, or playing an on-bass chord may result in inappropriate or unexpected accompaniment.

- **Free Play**: These Styles are characterized by rubato performance. You can perform freely with remarkably expressive accompaniment, without being constrained by a strict tempo.

- **DJ**: These contain their own special chord progressions, so you can add chord changes to your performance simply by changing the root key. The Multi Pad (page 59) data in the “DJ Phrase” category are specially created for these Styles. You can call up the suitable Multi Pads by using the One Touch Setting function (page 47).

**NOTE**

- You cannot specify the chord type, such as major and minor, when using the DJ Styles.

For the Preset Style List, refer to the Data List on the website.

Style File Compatibility
This instrument uses the SFF GE file format (page 11) and can play back existing SFF files; however, they will be saved in the SFF GE format when the file is saved (or loaded) in this instrument. Keep in mind that the saved file can only be played back on instruments that are compatible with the SFF GE format.
Adjusting the tempo

The TEMPO [-] and [+] buttons let you change the playback tempo of the Metronome, Style and MIDI Song. The tempo of the Style and MIDI Song can also be adjusted via the [TAP TEMPO] button.

- **TEMPO [-]/[+] buttons**
  
  Press the TEMPO [-] or [+] button to call up the Tempo pop-up display. Use the TEMPO [-]/[+] buttons to decrease or increase the tempo over a range of 5–500 beats per minute. Holding down either button changes the value continuously. Pressing both TEMPO [-] and [+] buttons calls up the default tempo of the last selected Style or Song.

- **[TAP TEMPO] button**
  
  During playback of a Style or MIDI Song, you can change the tempo by tapping the [TAP TEMPO] button twice at the desired tempo. When Style and Song are stopped, tapping the [TAP TEMPO] button (four times for a 4/4 time signature) starts playback of the rhythm part of the Style at the tempo you tapped.

Changing the Chord Fingering type

By changing the Chord Fingering type, you can automatically produce appropriate accompaniment even if you don’t press all of the notes which comprise a chord. Chord fingering type can be changed via the Split Point/Fingering window: [MENU] → [Split & Fingering]. The following types can be selected, for example.

- **Single Finger**
  
  This method lets you easily play chords in the accompaniment range of the keyboard using only one, two or three fingers.

  ![C Major chord](image)
  
  **C**
  
  Major chord
  
  Press the root key only.

  ![Cm Minor chord](image)
  
  **Cm**
  
  Minor chord
  
  Simultaneously press the root key and a black key to its left.

  ![C7 Seventh chord](image)
  
  **C7**
  
  Seventh chord
  
  Simultaneously press the root key and a white key to its left.

  ![Cm7 Minor seventh chord](image)
  
  **Cm7**
  
  Minor seventh chord
  
  Simultaneously press the root key and both a white and black key to its left.

- **Fingered**
  
  This lets you finger your own chords on the chord section of the keyboard, while the instrument supplies appropriately orchestrated rhythm, bass, and chord accompaniment in the selected Style. The Fingered type recognizes the various chord types which are listed on the Data List on the website (page 10), and can be looked up using the Chord Tutor function called up via [MENU] → [Chord Tutor].

- **AI Full Keyboard**
  
  This lets you play just about anything, anywhere on the keyboard using both hands—like conventional playing of a piano—and still have appropriate accompaniment. You don’t have to worry about specific ways to play/indicate the chords. (Depending on the song arrangement, AI Full Keyboard may not always produce appropriate accompaniment.)

For other types, refer to the Reference Manual on the website (page 10).
One Touch Setting is a powerful and convenient feature that automatically calls up the most appropriate panel settings (Voices, effects, etc.) for the currently selected Style, with the touch of a single button. If you’ve already decided which Style you wish to use, you can have One Touch Setting automatically select the appropriate Voice for you.

1. **Select the Desired Style** (steps 1–2 on page 44).

2. **Press one of the ONE TOUCH SETTING [1]–[4] buttons.**
   Not only does this instantly call up all the settings (Voices, effects, etc.) that match and are most commonly used with the current Style, it also automatically turns on ACMP and SYNC START, so that you can immediately start playing the Style.

   **Confirming the One Touch Setting Contents**
   In the Style Selection display, touch (Menu) then [Style Information] to call up the Information window that shows what Voices are assigned to the ONE TOUCH SETTING [1]–[4] buttons for the current Style. You can call up the desired settings also by touching one of the One Touch Settings numbers 1–4 directly on the Information window.

3. **As soon as you play a chord with your left hand, the selected Style starts.**
   Each Style has four One Touch Setting setups. Press any other of the ONE TOUCH SETTING [1]–[4] buttons to try out other setups.

**NOTE**
For information on panel settings that are called up by One Touch Setting, refer to the OTS section of “Parameter Chart” in the Data List on the website (page 10).

**NOTE**
You can automatically have the One Touch Settings change when you select a Main section (A–D) of the selected Style. For details, refer to “OTS LINK” (page 65).
Setting up Keyboard Parts

There are four keyboard parts for your manual performance: LEFT, RIGHT 1, RIGHT 2 and RIGHT 3, and each part has one Voice. You can combine these parts by using the PART ON/OFF buttons to create luscious instrument textures and convenient performance combinations.

Creating combinations of keyboard parts (Layer, Split)

- To play one single Voice over the entire keyboard:
  Turn on the RIGHT 1, 2 or 3 part. Make sure the LEFT part is turned off.

- To play two or three different Voices simultaneously (Layer):
  Turn on two or more parts from RIGHT 1, 2 and 3.

- To play different Voices in the right- and left-hand sections of the keyboard (Split):
  Turn on the LEFT part and at least one of the RIGHT 1–3 parts. The F2 and lower keys are used for the LEFT part while the upper keys (excluding F2) are used for the RIGHT 1, 2 and 3 parts. The key which divides the keyboard into the left-hand and right-hand sections is referred to as the “Split Point.”

Turning each keyboard part on/off from the display

You can also turn parts on/off via the Home display, or the Voice Part Setup display. For details, see “Home Display” (page 30), or “Voice Part Setup Display” (Reference Manual on the web site).
**Setting the Split Point**

The key which divides the keyboard into two areas is referred to as “Split Point.” There are three types of Split Point: Split Point (Style), Split Point (Left), and Split Point (Right 3). You can set them individually (as shown).

- **Split Point (Style):** Divides the left-hand (LOWER) section into the Chord section and the LEFT part section.
- **Split Point (Left):** Divides the keyboard into the left-hand (LOWER) section and the right-hand (UPPER) section.
- **Split Point (Right 3):** Divides the right-hand (UPPER) section into the RIGHT 1, 2 parts section and the RIGHT 3 part section.

1. **Call up the Split Point/Fingering window.**
   
   [MENU] → [Split & Fingering]

2. **Set the Split Point.**

   ![Split Point/Fingering window diagram]

   - **1st Step:**
     - Select the area you want to set the split point.
     - Use the buttons at the bottom to adjust the split point positions.

   - **2nd Step:**
     - Confirm and save your settings.
| ① | Split Point (Style + Left) | Sets Split Point (Style) and Split Point (Left) to the same note. In this case, the Chord Section and the LEFT part section occupy the same area. Specify the Split Point directly from the keyboard by simultaneously holding [Style + Left] on the display and pressing the desired key on the keyboard.

| ② | Split Point (Style, Left, Right 3) | Sets each Split Point individually. Specify the Split Point directly from the keyboard by simultaneously holding the corresponding item on the display and pressing the desired key on the keyboard.

You can also specify each Split Point by note name, touching the [                                    ] controls. Split Point (Style) is indicated by “Style,” Split Point (Left) is indicated by “Left,” and Split Point (Right 3) is indicated by “Right 3.”

*NOTE*

Once you have touched [                                    ], the Split Point type you are controlling is focused (corresponding indicator is colored). In this condition, you can change the value of the focused Split Point type by rotating the Data dial.

*NOTE*

Split Point (Left) cannot be set lower than Split Point (Style), and Split Point (Right 3) cannot be set lower than Split Point (Left).
Specifying chords with your right hand for Style playback

By changing the Chord Detection area from the left-hand section to the right-hand section, you can play a bass line with your left hand while using your right hand to play chords for controlling Style playback.

1 Call up the Split Point/Fingering window.
   [MENU] → [Split & Fingering]

2 Make the necessary settings by touching the display.

<table>
<thead>
<tr>
<th>Chord Detection Area</th>
<th>Select “Upper.” The Chord section is set to the right of the left Split Point. Fingering type is set to “Fingered*” automatically.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="image" alt="Diagram" /></td>
</tr>
</tbody>
</table>

**NOTE**
- “Fingered*” is basically same as “Fingered,” except that “1+5,” “1+8” and Chord Cancel are not available.
- For information about when the “Chord Detection Area” is set to “Lower,” refer to “Setting the Split Point” (page 49).
- This parameter is set to “Lower” automatically when the Ensemble Voice is selected.

<table>
<thead>
<tr>
<th>Manual Bass</th>
<th>When this is set to “On”, the bass part of the current Style is muted and the Voice of the muted bass part is assigned to the left part.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="image" alt="Diagram" /></td>
</tr>
</tbody>
</table>

**NOTE**
- Manual Bass is set to “On” automatically by the default settings when you select “Upper” in the Chord Detection Area above.
- This parameter is available only when the “Chord Detection Area” is set to “Upper.”
Selecting a Voice for Each Keyboard Part

1. Press the VOICE SELECT button corresponding to the desired part.
   The Voice Selection display (for the desired part) appears.

2. Touch the desired Voice.

To hear the characteristics of the Voices:
Touch (Demo) to start demo playback of the selected Voice. Touch (Demo) again to stop playback.

3. If necessary, try out the selected Voice.
   Make sure that the desired keyboard part is turned on, and play the keyboard.

Voice Characteristics
The Voice type and its defining characteristics are indicated above the Voice name. There are various Voice characteristics; however, only the following ones are covered here. For detailed explanations, refer to the Reference Manual on the website (page 10).

- S.Art, S.Art2 (Super Articulation) Voices (page 67)
  Lets you create subtle, very realistic expressive nuances, simply by how you play, and by pressing a single button to add nuances.

- Organ Flutes Voices (page 53)
  Lets you recreate all of the classic organ sounds by adjusting the flute footage levels and the percussive sounds, just like on conventional organs.

- Revo Drum, Revo SFX Voices
  The Drum and SFX Voices let you play various drums and percussion instruments or SFX (sound effects) sounds on the keyboard. Especially, Revo Drum Voices recreate the natural sound of drums, even when playing the same key multiple times. Details are given in the Drum/Key Assignment List of the separate Data List.
Genos uses advanced digital technology to recreate the legendary sound of vintage organs. Just as on a traditional electronic organ, you can create your own sound by increasing and decreasing the levels of the flute footages. The created Voice can be saved for future recall.

1 On the Voice Selection display, select the desired Organ Flutes Voice.

   Touch the [Organ] in the sub categories, then select the desired Organ Flutes Voice.

2 Return to the Home display, then touch Organ Flutes located at the lower right of the Voice name to call up the Organ Flutes Voice Edit display.

3 Slide the Footage levers to adjust the footage settings.

   The footage settings determine the basic sound of the Organ Flutes.

   ![Footage Levers Image]

   You can also change other settings here, such as Rotary Speaker and Vibrato.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Volume</td>
</tr>
<tr>
<td>2</td>
<td>Rotary Speaker</td>
</tr>
<tr>
<td>3</td>
<td>Vibrato</td>
</tr>
<tr>
<td>4</td>
<td>Response</td>
</tr>
<tr>
<td>5</td>
<td>Attack</td>
</tr>
</tbody>
</table>

4 Touch (Save) and save the created Organ Voice.

   For instructions on saving, refer to “File Management” (page 37).

   **NOTE**
   - The available parameters differ depending on the Organ type.
   - You can also make Effects and EQ settings. For details, refer to the Reference Manual on the website (page 10).

   **NOTICE**
   - The settings will be lost if you select another Voice or turn the power to the instrument off without executing the Save operation.
**Using Ensemble Voices**

These are special settings of the keyboard parts that feature multiple Voices, used in realistic ensemble combinations, such as brass section and string quartet. Up to four special parts or instruments are provided within a single Voice. But rather than just being a combination, the parts are dynamically assigned to the notes, and are distributed among the intervals you play in exceptionally natural, musical ways—as if four different players were actually playing the parts live. Moreover, the discrepancy between each instrument—the pitch, timing, etc.—can be controlled and “humanized,” making the overall sound amazingly authentic and expressive.

In this mode, the Keyboard parts (L, R1, R2 and R3) are changed into special Ensemble Parts 1–4 respectively. Since all the Ensemble Parts are handled as Right parts, the Left hand part is not available in this mode, although the Auto Accompaniment can be turned on and Styles can be played with the left hand.

**Entering the Ensemble Voice mode**

1. **Press any one of the VOICE SELECT buttons to call up the Voice Selection display.**

   ![Voice Selection Display]

2. **Touch [Ensemble] to enter the Ensemble Voice mode.**

3. **Touch to select the desired Ensemble Voice preset.**

4. **Play the keyboard.**

**NOTICE**

Entering the Ensemble Voice mode erases any Voice combination settings (L, R1, R2 and R3) you have made. Important panel settings should be memorized to Registration Memory (page 92).

**NOTE**

You can edit settings, such as changing each of the Voices that make up the Ensemble Voice and change how the Voices are assigned the notes of the chords you play. For details, refer to the Reference Manual on the website.
Exiting from the Ensemble Voice mode

1. Press any one of the VOICE SELECT buttons to call up the Voice Selection display.

2. Select a Voice other than an Ensemble Voice.
   After you’ve selected another Voice, you can confirm that the Ensemble Voice mode is no longer active. To do this, press the [Home] button to return to the Home display and check that the Voice area shows four different Voice names.
You can apply the Keyboard Harmony or Arpeggio features to enhance or change the sound of the Right-hand parts (RIGHT 1–3). Keyboard Harmony applies performance effects such as harmony (duet, trio, etc.), echo, tremolo and trill to the notes played in the Right-hand section. The Arpeggio function lets you play arpeggios (broken chords) by simply pressing the notes of the chord. For example, you could play the notes C, E and G to trigger interesting and rhythmically dynamic phrases. This feature can be used for music production as well as live performance.

### Setting up Keyboard Harmony/Arpeggio

You can apply the Keyboard Harmony or Arpeggio features to enhance or change the sound of the Right-hand parts (RIGHT 1–3). Keyboard Harmony applies performance effects such as harmony (duet, trio, etc.), echo, tremolo and trill to the notes played in the Right-hand section. The Arpeggio function lets you play arpeggios (broken chords) by simply pressing the notes of the chord. For example, you could play the notes C, E and G to trigger interesting and rhythmically dynamic phrases. This feature can be used for music production as well as live performance.

#### Using Keyboard Harmony

1. **Call up the operation display.**
   
   [MENU] → [Kbd Harmony/Arp]

2. **Set the Keyboard Harmony/Arpeggio function to “On.”**
   
   When this is set to “On,” Keyboard Harmony is applied to your keyboard performance automatically.

3. **Touch to select the category “Harmony” or “Echo.”**

4. **Touch the desired Harmony or Echo type.**

   Touching  (detailed settings) calls up the detailed settings popup window. For more information, refer to the Reference Manual on the website.

5. **Play the keyboard.**

   The effect selected in step 4 is applied to the right-hand melody.

   To turn off the effect, turn the [HARMONY/ARPEGGIO] button off.

#### Keyboard Harmony category types (Harmony/Echo)

- **Harmony Category**
  
  **Standard Duet—Strum**
  
  These types apply the harmony effect to notes played in the right-hand section of the keyboard according to the chord specified in the left-hand section of the keyboard. (Note that the “1+5” and “Octave” settings are not affected by the chord.)

- When the [ACMP] button is on and the LEFT part is off:

```plaintext
| Chord section for Style playback and Harmony effect |
```

**NOTE**

- You can also set the function to “On” by turning the [HARMONY/ARPEGGIO] button on.

**NOTE**

- For details on the Split Point, refer to page 49.
• When the [ACMP] button is off and the LEFT part is on:

![Keyboard diagram showing Multi Assign effect]

Multi Assign
The Multi Assign effect automatically assigns the notes of chords you play on the right-hand section of the keyboard to separate parts (Voices). For example, if you play a three-note chord, the first note you press is played by the RIGHT 1 Voice, the second by the RIGHT 2 Voice, and the third by the RIGHT 3 Voice. The Multi Assign effect is not affected by the [ACMP] and LEFT part on/off status.

- Echo Category (Echo, Tremolo, Trill)
The Echo, Tremolo or Trill effect is applied to the note played in the right-hand section of the keyboard in time with the currently set tempo, regardless of the [ACMP] and the LEFT part on/off status. Keep in mind that Trill works only when you hold down two notes on the keyboard simultaneously (or the last two notes, if more than two notes are held), and it plays those notes alternately.

Using Arpeggio

1 Call up the operation display.
   [MENU] → [Kbd Harmony/Arp]

2 Set the Keyboard Harmony/Arpeggio function to “On.”
   When this is set to “On,” Keyboard Harmony is applied to your keyboard performance automatically.

3 Touch to select a category other than “Harmony” or “Echo.”

4 Touch the desired Arpeggio type.
   Touching (detailed settings) calls up the detailed settings popup window. For more information, refer to reference manual on the web site.
5 Play a note or notes to trigger the Arpeggio.

The arpeggiated phrase differs depending on the notes played.

To turn off the effect, turn the [HARMONY/ARPEGGIO] button off.

NOTE

• By using the Arpeggio Quantize function, Arpeggio playback can be synchronized with Song/Style playback, allowing any slight imperfections in the timing to be corrected. This can be set in the display: [MENU] → [VoiceSetting] → [S.Art2/Arpeggio].

• Arpeggio playback can be continued even after the note has been released, by assigning the Arpeggio Hold function to the footswitch. For instructions, refer to page 63.
Setting up Multi Pads

Selecting Multi Pads

1. Press the MULTI PAD CONTROL [SELECT] button to call up the Multi Pad Bank Selection display.

2. Touch the desired Multi Pad Bank.

3. If necessary, try out the selected Multi Pad(s).

   Simply press the MULTI PAD CONTROL 1–4 buttons to start playback of the corresponding phrase. To stop playback, press the [STOP] button.

   For more information on Multi Pad playback control, refer to “Controlling Multi Pad Playback” (page 70).

Creating and Editing Multi Pads

You can create your original Multi Pads in one of three ways:

- Recording new phrases
- Editing existing Multi Pad phrases
- Linking with audio files (Audio Link Multi Pad)

Also, you can make your original Multi Pad Bank by managing each Multi Pad. For details, refer to the Reference Manual on the web site (page 10).
Memorizing Original Panel Settings to One Touch Setting

You can memorize your original panel settings (mainly Style, Voices, and Multi Pads) to a One Touch Setting (OTS). The newly created One Touch Setting will be saved in the User drive or a USB flash drive as a Style, and you can call up the One Touch Setting as a part of the Style.

1. Select the desired Style to memorize your One Touch Setting.
2. Make the desired panel settings, such as those for Voices and Effects.
3. Press the [MEMORY] button in the REGISTRATION MEMORY section.

A message appears. However, you do not need to make any settings here, since the On/Off settings in this display do not affect the One Touch Setting function.

4. Press the desired ONE TOUCH SETTING [1]–[4] button to which you wish to memorize your panel settings.

A message appears prompting you to save the panel settings at this time. To go on and memorize various panel settings to other buttons, touch [No], then repeat steps 2–4 as necessary, finally saving all your new settings in Step 5 below.

5. Touch [Yes] to call up the Style Selection display for saving your data, then save the current settings as a User Style.

For instructions on saving, refer to “File Management” (page 37).

**NOTE**
For OTS buttons to which your panel settings have not been memorized, the OTS settings of the original Style will be maintained.

**NOTICE**
The memorized One Touch Setting will be lost if you change the Style or turn the power off without carrying out the Save operation.

For information on which panel settings are memorized to One Touch Setting, refer to “Parameter Chart” in the Data List on the website (page 10).
Transposing the pitch in semitones (TRANSPOSE [-]/[+] buttons)

The TRANSPOSE [-]/[+] buttons transpose the overall pitch of the instrument (the keyboard sound, Style playback, MIDI Song playback, and so on) in semitone steps (from -12 to 12). To instantly reset the transpose value to 0, press the [-] and [+ ] buttons simultaneously.

You can independently select the part to be transposed as desired. Touch the Transpose pop-up several times until the desired part appears, then use the TRANSPOSE [-]/[+] buttons to transpose it.

<table>
<thead>
<tr>
<th>Master</th>
<th>Transposes the pitch of the entire sound, with the exception of the Audio Song and input sound from a microphone or the AUX IN jacks.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keyboard</td>
<td>Transposing the keyboard pitch including the chord root for triggering Style Playback.</td>
</tr>
<tr>
<td>Song</td>
<td>Transposes the pitch of the MIDI Song.</td>
</tr>
</tbody>
</table>

Transposing the pitch in octave (UPPER OCTAVE [-]/[+] buttons)

The UPPER OCTAVE [-]/[+] buttons allow you to shift the pitch of the Right 1–3 parts up or down by one octave. To instantly reset the octave value to 0, press the [-] and [+ ] buttons simultaneously.

Fine Tuning the Pitch

By default, the pitch of the entire instrument is set to 440.0 Hz according to equal temperament. This setup can be changed from the display called up via [MENU] → [Master Tune]. For details, refer to the Reference Manual on the website.
You can assign parameters and functions to the LIVE CONTROL knobs/sliders, the [ROTARY SP/ASSIGNABLE] button, or optional footswitches for quick operations and expressive control during your keyboard performance. The setup of assignable controllers is stored/recalled from the registration memory so you can change them all together.

### Selecting the Assign Types of the LIVE CONTROL knobs/sliders

Each setup of assigned parameters for knobs is called “Knob Assign Type” and for sliders, it is called “Slider Assign Type.” There are three Knob Assign Types (1–3) and they can be switched in sequence by pressing the [KNOB ASSIGN] button. There are normally three Slider Assign Types (Balance and Assign Types 1 and 2), and they can be switched in sequence by pressing the [SLIDER ASSIGN] button. The selected Assign Types for knobs and sliders will be reset when the power is turned off.

### Setting up Assignable Controllers

**Assign Type 1**

**Assign Type 2**

**Assign Type 3**

**Balance**

**Assign Type 1**

**Assign Type 2**

### Editing the Assign Type of the knobs/sliders

Knob Assign Types 1–3 and Slider Assign Types 1–2 can be edited in the Edit display which is called up as follows: [MENU] → [Live Control]. For details of editable items, refer to the Reference Manual on the website.

### NOTE

When Organ Flutes Voice is selected for each Keyboard Part, additional Slider Assign Types can be specially selected for operating footage levers corresponding to each Part, letting you adjust the sound with much the same feel as on an actual instrument.
Assigning functions to the [ROTARY SP/ASSIGNABLE] button

Various functions can be assigned to the [ROTARY SP/ASSIGNABLE] button.

1. To call up the Edit display, touch [MENU] → [Assignable].

2. Double-tap (touch twice) the “Rotary Sp/Assignable” item on the display.
   The function selection pop-up window appears.

3. Touch the desired function.

Assigning functions to footswitches/foot controllers

You can assign various functions to optional footswitches/foot controllers.

1. To call up the Edit display, touch [MENU] → [Assignable].

2. Double-tap (touch twice) the desired item in the “Foot Pedals” area (shown above).
   The function selection pop-up window appears.

3. Touch the desired function.

NOTE
For details on assignable parameters and functions, refer to the Reference Manual on the website.

NOTE
- For details on assignable parameters and functions, refer to the Reference Manual on the website.
- For connecting footswitches/foot controllers, refer to “Connecting Footswitches/Foot Controllers” (page 110).
If you’ve made all desired settings for a single song (in the previous sections), now you’re ready to play the keyboard. This section mainly explains the various Style-related operations you’ll use during your keyboard performance: Style playback, applying expressive effects, and Multi Pad playback.

### Operating Style Playback

#### Starting and stopping Style playback

- **[START/STOP] button**
  Starts playback of the rhythm part of the current Style. To stop playback, press the button again.

- **[SYNC START] button**
  This puts the Style playback in “standby.” The Style starts playing back when you press any note on the keyboard (when [ACMP] is off) or you play a chord with your left hand (when [ACMP] is on). While a Style is playing back, pressing this button stops the Style and puts playback in standby.

- **[SYNC STOP] button**
  You can start and stop the Style any time you want by simply playing or releasing the keys in the chord section of the keyboard. Make sure that the [ACMP] button is on, press the [SYNC STOP] button, then play the keyboard.

- **INTRO [I]–[III] buttons**
  Genos features three different Intro sections that let you add an introduction before starting the Style playback. After pressing one of the INTRO [I]–[III] buttons, start playback of the Style. When the Intro finishes playing, the Style playback automatically shifts to the Main section.

- **ENDING/rit. [I]–[III] buttons**
  Genos features three different Ending sections that let you add an ending before stopping Style playback. When you press one of the Ending [I]–[III] buttons while Style is playing back, the Style will automatically stop after the ending is played. You can have the ending gradually slow down (ritardando) by pressing the same ENDING button once again, while the ending is playing.

---

**NOTE**

When the Fingering type (page 46) is set to “Full Keyboard” or “AI Full Keyboard,” Sync Stop cannot be turned on.
Playing with Styles—Operations While Performing

Changing pattern variations (Sections) during Style playback

Each Style features four different Main sections, four Fill-in sections and a Break section. By using these sections effectively, you can easily make your performance sound more dynamic and professional. The section can be freely changed while the Style is playing back.

- **MAIN VARIATION [A]–[D] buttons**
  Press one of the MAIN VARIATION [A]–[D] buttons to select the desired Main section (the button lights in red). Each is an accompaniment pattern of a few measures or more and it plays indefinitely. Pressing the selected MAIN VARIATION button again plays an appropriate fill-in pattern to spice up the rhythm and break the repetition. After the fill-in finishes playing, it leads smoothly into the Main section.

- **Fading In/Out**
  The Fade In/Out function produces smooth fade-ins and fade-outs when starting/stopping the playback of a Style or Song. You can assign this function to the [ROTARY SP./ASSIGNABLE] button, footswitches, or the ASSIGNABLE [A]–[F] buttons.

  - **To start playback with a fade in:**
    When playback is stopped, press the button to which this function has been assigned. Then press the [START/STOP] button for Style (or the [PLAY/PAUSE] button for MIDI Song).
  
  - **To stop playback with a fade out:**
    During playback, press the button to which this function has been assigned.

- **AUTO FILL IN function**
  When the [AUTO FILL IN] button is turned on, pressing any of the MAIN VARIATION [A]–[D] buttons as you play automatically plays a fill-in section for a smooth, dynamic transition into the next (or same) section.

- **Style Section Reset**
  During playback of a Style, you can rewind to the top of the section (“reset” the playback position, for stutter repeat effects) by pressing the [TAP TEMPO] button (page 46).

  You can set the behavior to change the tempo instead of “reset” of the section, even when tapping the button during playback of a Style. The setting is made on the display called up via [MENU] → [Metronome] → [Tap Tempo]. For details, refer to the Reference Manual on the website.

- **Automatically changing One Touch Settings with the Main sections (OTS LINK)**
  The convenient OTS (One Touch Setting) Link function lets you automatically have One Touch Settings change when you select a different Main section (A–D). The Main sections A, B, C and D correspond to One Touch Settings 1, 2, 3 and 4 respectively. To use the OTS Link function, turn the [OTS LINK] button on.

  You can change the timing in which the One Touch Settings change with the MAIN VARIATION [A]–[D] changes. To do this, call up the display via [MENU] → [Style Setting] → [Setting], then set the OTS Link Timing parameter. For details, refer to the Reference Manual on the website (page 10).
● [BREAK] button
This lets you add dynamic breaks in the rhythm of the accompaniment. Press the [BREAK] button during Style playback. When the one-measure Break pattern finishes playing, Style playback automatically shifts to the Main section.

About the lamp status of the section buttons (INTRO/MAIN VARIATION/BREAK/ENDING)
- Red: The section is currently selected.
- Red (flashing): The section will be played next, following the currently selected section.
  * The MAIN VARIATION [A]–[D] button lamps also flash in red when the fill-in is playing.
- Blue: The section contains data but is not currently selected.
- Off: The section contains no data and cannot be played.

Expressively Controlling Your Performance

Using the Joystick

By moving the joystick in a horizontal (X) or vertical (Y) direction, you can bend the notes up or down, or apply modulation effects. Move the joystick to control the sound while playing the keyboard.

● X: Pitch Bend
Bends notes up (by moving the joystick to the right) or down (by moving the joystick to the left) while playing the keyboard. This is applied to all keyboard parts (RIGHT 1–3 and LEFT).

● Y: Modulation
The Modulation function applies a vibrato effect to notes played on the keyboard. By default, this is applied to the keyboard parts RIGHT 1–3. You can set whether the modulation effects produced by the joystick will be applied or not to each keyboard part independently: [MENU] → [Keyboard/Joystick] → [Joystick] → Modulation (+), Modulation (−).

NOTE
- The maximum pitch bend range can be changed on the display called up via [MENU] → [Keyboard/Joystick] → [Joystick].
- The Pitch Bend effect may not be applied to the LEFT part during Style playback, depending on the Style setting.

NOTE
- The Modulation effects may not be applied to the LEFT part during Style playback, depending on the Style setting.
Applying sustain to the RIGHT 1–3 Voices

The [SUSTAIN] button turns the Sustain function on and off. When on, all notes played on the keyboard with the right-hand parts (RIGHT 1, 2, 3) have a longer sustain.

Playing and Controlling Super Articulation Voices

The Super Articulation Voices (S.Art Voices and S.Art2 Voices) enable you to create subtle, very realistic expressive nuances, simply by how you play. The Voice type (S.Art, S.Art2) is indicated above the name of Super Articulation Voices, on the Voice Selection display. Moreover, with the [ART. 1]/[ART. 2]/[ART. 3] buttons in this instrument, you can add those expressive nuances by simply pressing a single button.

Automatic articulation effects of Super Articulation Voices

S.Art Voices

The S.Art Voices provide many benefits with great playability and expressive real-time control.

Example: Saxophone Voice
If you play a C note and then an adjacent D in a very legato way, you will hear the note change seamlessly, as though a saxophone player played it in a single breath.

Example: Concert Guitar Voice
If you play a C note and then the E just above in a very legato but firm way, the pitch slides up from C to E.
S.Art2 Voices
Some of the wind instrument and strings Voices feature a special technology called AEM, which utilizes detailed samples of special expressive techniques used on those specific instruments—to bend or slide into notes, to “join” different notes together, or to add expressive nuances at the end of a note, etc. You can add these articulations by playing legato or non-legato, or jumping between notes in octave intervals or greater.

Example: Clarinet Voice
If you hold a C note and play the B♭ above, you’ll hear a glissando up to the B♭. Some “note off” effects are also produced automatically when you hold a note for over a certain time.

Adding articulation effects by the [ART. 1]–[ART. 3] buttons
When you select a Super Articulation Voice, the [ART. 1]/[ART. 2]/[ART. 3] buttons may light in blue. Pressing a lit button adds the effect (buttons not lit have no effect).

Below are three examples of Super Articulation Effects by the buttons.

■ Example 1
Pressing the available [ART] button triggers different playing effects and techniques, separate from your keyboard playing.
For example, pressing the [ART] button for a S.Art saxophone Voice can produce breath noise or key noise, while doing the same for a S.Art guitar Voice can produce fret noise or body-tapping sound. You can effectively intersperse these into the notes as you play.
While the articulation effect sounds, the button lights in red.

■ Example 2
Playing the keyboard while holding down the available [ART] button changes the nature of the Voice.
For example, in the case of the NylonGuitar Voice in A.GUITAR category, holding down the [ART. 1] button lets you play harmonics for the guitar Voice. Releasing the button returns the Voice to normal.
The button lights in red while it is being held down.
Example 3
When an S.Art2 Voice is selected, pressing the available [ART] button and playing/releasing a note enables you to add articulation effects, such as bend up/down, glissando up/down, brass fall, etc.
When you press the available [ART] button, it will flash in red until the effect is finished playing. You can cancel by pressing the button again while it flashes. Immediately after you press/release the note and articulation effect sounds, the button lights in red.

Example 3 effects can also be used as those the same manner as Example 2. Holding an [ART] button (the button flashes in red) and playing/releasing a note enables you to add the articulation effect several times in succession.

When Super Articulation Voices are Selected for Multiple Parts
When you select S.Art/S.Art2 Voices for two or more keyboard parts, using an [ART] button simultaneously affects all parts for which S.Art/S.Art2 Voices are selected.

When an Example 3 effect is assigned to both the Right and Left parts and an [ART] button flashes in red (standby status), playing only one part (for example, the Right 1 part) adds an articulation effect to only that part. Since the other part (Left part) is kept in standby status, the button continues flashing. To cancel the standby status, you need to play the keyboard in the Left part range. (Pressing the flashing button does not cancel standby status in this case, because this can cancel the standby of the Left part, but turns the Right part to standby again.)
Playing the Multi Pads

1 Press any of the MULTI PAD CONTROL [1]–[4] buttons to play a Multi Pad phrase.
   The corresponding phrase for the button starts playing back in its entirety at the currently set tempo. You can play up to four Multi Pads at the same time.

   - **NOTE**
     - There are two types of Multi Pad data. Some types will play back once and stop when they reach the end. Others will be played back repeatedly (loop).
     - Pressing the pad during its playback will stop playing and begin playing from the top again.

2 Press the [STOP] button to stop playback of the Multi Pad(s).
   If you want to stop a specific pad, simultaneously hold down the [STOP] button and press the pad(s) you wish to stop.

   - **NOTE**
     - While the Style or MIDI Song is playing back, pressing the Multi Pad button starts playback at the top of the next measure. When the Style or MIDI Song is stopped, pressing the Multi Pad button starts playback immediately.
     - While the Style or MIDI Song is playing back, pressing the STYLE CONTROL [START/STOP] or SONG A/B [PLAY/STOP] button also stops playback of the Multi Pad(s). While both the Style and MIDI Song is playing back, pressing the SONG A/B [PLAY/STOP] button stops playback of the Song, Style and Multi Pad(s). This behavior can be changed with settings on the Song Setting and Style Setting displays. For details, refer to the Reference Manual on the website.

About the lamp status of the MULTI PAD CONTROL [1]–[4] buttons
- **Blue**: Indicates that the corresponding pad contains data (phrase).
- **Red**: Indicates that the corresponding pad is playing back.
- **Red (flashing)**: Indicates that the corresponding pad is in standby (Synchro Start; refer to page 71).
- **Off**: Indicates the corresponding pad contains no data and cannot be played.

Using Chord Match
When the [ACMP] or LEFT part is on, Multi Pad phrases automatically change the pitch to match the chord you play in the chord section.

Play the chord in the chord section before/after pressing any of the Multi Pads.

   - **NOTE**
     - Some Multi Pads are not affected by Chord Match.
Using the Multi Pad Synchro Start Function

You can also start Multi Pad playback by playing the keyboard or by starting Style playback.

1. While holding the MULTI PAD CONTROL [SELECT] button, press the desired button or buttons from [1]–[4].
   The corresponding buttons flash in red, indicating standby status.

2. Start playback of the Multi Pad.
   - When [ACMP] is off, press any note, or play back a Style.
   - When [ACMP] is on, play a chord in the chord section, or play back a Style.

   If you enable standby for a Multi Pad during Style or Song playback, pressing any note (when [ACMP] is off) or playing a chord in the chord section (when [ACMP] is on) will start Multi Pad playback at the top of the next measure.

NOTE
To cancel the standby status of the selected Pad, carry out the same operation, or simply press the [STOP] button to cancel the status of all Pads.

NOTE
When two or more Multi Pads are in standby status, pressing any one of them starts simultaneous playback of all of them.
Singing with Song Playback—Setting Up

This section explains how to set up for your singing performance with Songs, using Song selection and Vocal Harmony settings.

As is the case in Chapter 1, the settings made in this section can be collectively stored in the Registration Memory as one song setting (page 92).

Setting Up Song Playback

Songs—MIDI Song and Audio Song

For Genos, “Song” refers to MIDI or audio data which include preset songs, commercially available music files, etc. Not only can you playback a song and listen to it, but you can also play the keyboard or sing along with Song playback.

There are two kinds of Songs that can be recorded and played back on this instrument: MIDI Songs and Audio Songs.

• MIDI Song
A MIDI Song is comprised of your keyboard performance information and is not a recording of the actual sound itself. The performance information refers to which keys are played, at what timing, and at what strength—just as in a musical score. Based on the recorded performance information, the tone generator (of Genos, etc.) outputs the corresponding sound. Since MIDI Song data contains the information such as keyboard part and Voice, you can play more effectively by viewing the score, turning the particular part on or off, or changing Voices.

• Audio Song
An Audio Song is a recording of the performed sound itself. This data is recorded in the same way as that used in recording cassette tapes, or with voice recorders, etc. Audio Songs can be played back on portable music players and many other devices, making it easy for you to let others hear what you have played.

If you want to play back a Song in a USB flash drive, connect the USB flash drive containing Song data to the [USB TO DEVICE] terminal beforehand.

NOTE
Before using a USB flash drive, be sure to read “Connecting USB Devices” on page 111.
Singing with Song Playback—Setting Up

Switching Song playback modes

Genos features two modes of Song playback: Dual Player mode and Song List mode. Dual Player mode plays back two Songs (SONG A and SONG B) simultaneously and lets you make a smooth, DJ-like transition between the two, using the special Cross Fader. Song List mode plays back Songs continuously along with a Song List previously made.

1. **Press the [SONG] button to call up the Song Playback display.**
   
   Dual Player or Song List is displayed, depending on which you have selected last time.

2. **Touch the display to switch the Song playback mode.**

   - **Dual Player mode (SONG A, SONG B)**
   - **Song List mode (SONG B)**

**NOTE**

The Song playback mode cannot be switched during Song playback.

---

**Song File Compatibility**

You can play back the following types of Songs.

- Preset Songs (MIDI Songs)
- Your own recorded Songs (for instructions on recording, see page 90)
- Commercially available Songs: MIDI files in SMF (Standard MIDI File) format, Audio files in WAV or MP3 format.

WAV .......... 44.1 kHz sample rate, 16 bit resolution, stereo
MP3 .......... MPEG-1 Audio Layer-3: 44.1 kHz sample rate, 64–320 kbps bit rate, stereo

---

**WARNING**

- For a general overview of MIDI and how you can effectively use it, refer to “MIDI Basics” on the website (page 10).
- For information on compatible MIDI formats, refer to page 11.
Selecting Songs (Dual Player mode)

1 Press the [SONG] button to call up the Song Playback display. Make sure that Dual Player mode is selected.

2 Touch the Song name in the Song A or Song B area. The Song Selection display appears.

3 Select the desired Song for each, A and B. For selecting from Audio Songs, touch [Audio]. For selecting from MIDI Songs, touch [MIDI].

Viewing Audio Information
When an Audio Song is selected on the Song Selection display, touching (Menu) then [Audio Information] calls up the information window.

For detailed playback operations and the crossfade function, refer to pages 78, 85.

**NOTE**
- For basic operations of the Song Selection display, refer to “File Selection Display” (page 33).
- You can select two Audio Songs or one Audio Song and one MIDI Song for SONG A and SONG B. Two MIDI Songs cannot be selected.
- You can call up the display of Song playback related settings, via (Menu) → [Song Setting].
Selecting Songs (Song List mode)

1. Press the [SONG] button to call up the Song Playback display. Make sure that Song List mode is selected.

2. Prepare a Song List
   - When creating a new Song List
     Touching (New) on the display allows you to create a new Song List. For details on how to edit the Song List, refer to the Reference Manual on the website.

   - When selecting an existing Song List
     2-1 Call up the Song List File Selection display by touching the Song List name.
     2-2 Touch the desired Song List file.

3. Touch the desired Song from the selected Song List.
   The selected Song is highlighted.

For detailed playback controls, refer to page 78.
For information on controlling continuous playback of the Songs on the list, refer to the Reference Manual on the website.
Applying Effects to the Microphone Sound (Vocal Harmony)

You can automatically apply various Vocal Harmony effects to your voice as you sing, or you can use Synth Vocoder to graft the unique characteristics of your voice onto synthesizer and other sounds.

Using Vocal Harmony

1. Call up the Vocal Harmony display via [MENU] button → [Vocal-Harmony].

2. Make sure that Harmony is set to “On.”
   If necessary, touch the display or press the [VOCAL HARMONY] button to turn the Harmony “On.”

3. Touch the Vocal Harmony name to call up the Vocal Harmony Type Selection display.

4. Touch the desired Vocal Harmony Type to select it.
   The Vocal Harmony features three different Modes which can be selected automatically by selecting a Vocal Harmony Type.

Vocal Harmony Modes

<table>
<thead>
<tr>
<th>Mode</th>
<th>Vocal Harmony type name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chordal</td>
<td>The harmony notes are determined by the chords you play in the chord section (with [ACMP ON/OFF] turned on), the left hand section (with [ACMP ON/OFF] turned off and the Left part turned on) or the chord data of a Song.</td>
</tr>
<tr>
<td>Vocoder</td>
<td>The microphone sound is output via the notes you play on the keyboard or the Song playback notes.</td>
</tr>
<tr>
<td>Vocoder-mono</td>
<td>Basically the same as Vocoder; however, in this mode, only single-note melodies or lines can be played back (with last-note priority).</td>
</tr>
</tbody>
</table>

Icons shown in the Vocal Harmony Type Selection display indicate the following usage cases.

- (Blue) Vocal Harmony Type of Chordal Mode
- (Brown) Vocal Harmony Type of Vocoder Mode
- (Green) Vocal Harmony Type having unusual effects, such as a robotic voice.
- (Gray) Vocal Harmony Type without any effect.

NOTE
Make sure to connect a microphone before using Vocal Harmony and Synth Vocoder. For instructions on connecting a microphone and making necessary settings, refer to page 106.
5 Follow the steps below, depending on which Type (and mode) you selected.

- **If you selected the Chordal Type:**
  5-1 Make sure that the [ACMP] button is turned on.
  5-2 Play back a Style while playing chords, or play back a Song which contains chords.
  Vocal harmonies based on the chords are applied to your singing.

- **If you selected the Vocoder or Vocoder-Mono Type:**
  5-1 As necessary, change the “Keyboard” setting to “Off,” “Upper,” or “Lower.” When “Upper” or “Lower” is selected, playing the right-hand or left-hand section of the keyboard will control the Vocoder effect. When “Off” is selected, playing the keyboard will not control the Vocoder effect.
  5-2 Play melodies on the keyboard or play back a Song, and sing into the microphone.
  You’ll notice that you don’t actually have to sing pitched notes. The Vocoder effect takes the words you say and applies them to the pitch of the instrument sounds.

---

### Using Synth Vocoder

These are special effects that graft the characteristics of your voice onto synthesizer and other sounds, for unusual machine-like or robotic effects, as well as unique choir sounds, which you can control with your own singing and playing.

1 Execute steps 1–3 in “Using Vocal Harmony” on page 76.

2 From the Vocal Harmony Type Selection display, select the Synth Vocoder category from the sub categories.

3 Touch the desired Synth Vocoder Type to select it.

4 Try holding down a note on the keyboard and speak or sing into the microphone.
   Also, try changing notes as you say/sing different words, hitting a separate note for each word.

---

**NOTE**

For Vocoder Types, the effect is applied to a maximum of three notes of the chord you play; for Vocoder-Mono, the effect is only applied to single notes (last note applied).
This section explains operations you can do during your singing performance with Songs: Song playback, displaying score and lyrics, adjusting the volume between two Songs, and switching microphone-related functions.

**Controlling Song Playback**

Song playback can be controlled by pressing buttons on the panel or from the Song playback display which is called up by pressing the [SONG] button. The control displays for SONG A and SONG B (if used) appear, allowing you to control the currently selected MIDI/Audio Song(s) on the screen.

**Song Playback display**

- **Basic playback operations (for MIDI and Audio Songs)**
  - **Play/Pause ([PLAY/PAUSE] button)**
    Press (or touch) [PLAY/PAUSE] ( ) button to start Song playback of the corresponding side (SONG A or SONG B). During playback, pressing it pauses playback. Pressing it again resumes Song playback from the current position.
  - **Selecting previous/next Song ([PREV] or [NEXT] button)**
    Press (or touch) the [PREV] or [NEXT] ( or ) button to select the previous/next Song. In the Dual player mode, this operation selects the previous/next Song file in the same folder. At the Song List mode, this operation selects the previous/next Song on the Song List.
  - **Rewind/Fast Forward ([PREV] or [NEXT] button)**
    Hold the [PREV] or [NEXT] ( or ) button to move backward/forward continuously through the current file.

---

For details on MIDI Song/Audio Song, switching between Song playback modes, and Song selection, refer to page 72.

In the Song List mode, only basic playback operations are possible. On the other hand, you can play back multiple Songs continuously. For details, refer to the Reference Manual on the website.
Singing with Song Playback—Operations While Performing

Playback Operations exclusively for MIDI Song

**Synchro Start**
You can conveniently start playback of a MIDI Song as soon as you start playing the keyboard. Touching  (Synchro start) puts Synchro Start in standby status, regardless of whether the Song is currently playing or stopped. To cancel the Synchro Start function, repeat the same operation.

**Playback Using Song Position Markers ([M], [1]–[4], [Loop])**
Using Song Position markers, you can not only navigate quickly and easily through the MIDI Song data, but also set up convenient playback loops, for ease in song arranging. For details, refer to “Using Song Position Markers” (page 81).
Playback Operations exclusively for Audio Song

- **Vocal Cancel**
  This let you cancel or attenuate the center position of the stereo sound in Audio Song playback. This lets you sing “karaoke” style with just instrumental backing, or play the melody part on the keyboard, since the vocal sound is usually at the center of the stereo image in most recordings.

  To turn the Vocal Cancel function on/off, first select an Audio Song, then turn on/off (Vocal Cancel).

- **Time Stretch**
  Like Tempo adjustment of a MIDI Song, this lets you adjust the playback speed of an Audio Song by stretching or compressing it. To do this, touch (Time Stretch) to call up the setup window. Touch \[\text{[} \text{\ down arrow]\ text{/} \text{\ up arrow]}\] in this window to set the value (from 70% to 160%). Higher values result in a faster tempo.

- **Pitch Shift**
  Like the Transpose function of the MIDI Song, this lets you shift the pitch of an Audio Song in semitone steps (from -12 to 12).

- **A-B Repeat Playback**
  This lets you repeatedly play back a specified range (between points A and B).

1. Touch (Play/Pause) to start playback.

2. Specify the repeat range.
   When playback reaches the point you want to specify as the starting point (A), turn on (A-B Repeat). When playback reaches the point you want to specify as the ending point (B), touch (A-B Repeat) again. The range from Point A to Point B will be played back repeatedly.

   **NOTE**
   - Specifying only Point A results in repeat playback between Point A and the end of Song.

3. To cancel A-B repeat playback, turn off (A-B Repeat).
   The time of point A and B are cleared, and Repeat Playback is canceled.

**Specifying the repeat range while Song playback is stopped**
1. Fast-forward the Song to Point A then turn on (A-B Repeat).
2. Fast-forward the Song to Point B then touch (A-B Repeat) again.
Using Song Position Markers (MIDI Song only)

Song Position markers (SP1–SP4) can be placed in the MIDI Song data. This not only lets you navigate quickly and easily through the MIDI Song data, but also lets you set up convenient playback loops—allowing you to create dynamic Song arrangements “on the fly,” as you perform.

Entering Song Position Markers

1. Select the desired MIDI Song (page 74), and start playback (page 78).

2. Enter the Song Position markers.
   2-1 Touch \( \text{1} \) (Song Position Memorize) to turn it on.
   2-2 When the Song reaches the point at which you wish to enter a marker, touch the desired marker number ([1]–[4]) on the display.
       The corresponding Song Position marker is entered, and Song Position Memorize is automatically turned off.

3. As desired, enter other markers in the same way as step 2.

4. Pause Song Playback (page 78).

5. Save the Song.
   5-1 Touch the Song name to call up the Song Selection Display.
   5-2 Save the Song file (page 37).

About the status of Song Position [1]–[4]

- **Off**: Song Position is not entered to the button.
- **Green**: Song Position is entered to the button.
- **Red (flashes)**: Playback jump is ready. See below (“Jumping to a Song Position Marker during playback”).
- **Red**: The Song Position has been passed and Song playback continues to the next Song button.

Jumping to a Song Position Marker during playback

Simply touching the one of the Song Position [1]–[4] during Song playback jumps to the corresponding position, after the current played measure reaches its end. (The button will flash in red, indicating that playback jump is ready.) You can cancel the jump by touching the same Song Position again before the actual jump.

Starting playback from a specific Marker

First, touch one of Song Position [1]–[4] while Song playback is stopped, and then start playback (page 78).
Using Markers in loop playback

In this section, we’ll explain loop playback by the example of looping between markers [1] and [2].

1. Touch \(\text{Play/Pause}\) (Play/Pause) to start playback from the top of the Song.

2. After passing the [1] point, touch \(\text{Loop}\) (Loop) to turn the loop function on.
   The Song plays back up to the [2] point, then goes back to [1] and loops between the two points.

3. To stop the loop and continue normal playback, touch \(\text{Loop}\) (Loop) again.
   When this is turned off, playback continues past the [2] point.
Displaying Music Notation (Score) of the MIDI Song

You can view the music notation (score) of the selected MIDI Song. We suggest that you read through the music notation before starting to practice.

1. Select a MIDI Song (page 74).

2. Touch [Score] (Score) on the Song Playback display to call up the Score display.

   You can look through the entire notation by touching [◄] or [►] when Song playback is stopped. While the Song is playing back, the “ball” bounces along through the score, indicating the current position.

   ![Score Display Example]

   - **NOTE**
     - You can call up the Score display as well, via [MENU] → [Score].
     - The instrument can display the music notation of commercially available music data or your recorded Songs.
     - The displayed notation is generated by the instrument based on the Song data. As a result, it may not be exactly the same as commercially available sheet music of the same song—especially when displaying notation of complicated passages or many short notes.

Changing the Size of the Score and Displaying Lyrics in a Score

By touching the note icon shown on the lower right of the display, you can change the settings of the Score display, such as changing the size of the score, or displaying note names or lyrics within the score, and so on. For details on the Score display, refer to the Reference Manual on the website.

- **NOTE**
  - Lyrics can be shown only when the Song contains lyric data.
Displaying Lyrics of the MIDI Song

When the selected Song contains lyric data, you can view it on the instrument’s display during playback.

1 Select a MIDI Song (page 74).

2 Touch **Lyrics** (Lyrics) on the Song Playback display to call up the Lyrics display.

When the Song data contains lyrics data, the lyrics are shown on the display. You can look through the entire lyrics by touching [◄] or [►] when Song playback is stopped. While the Song is playing back, the color of the lyrics changes, indicating the current position.

For details on the Lyrics display, refer to the Reference Manual on the website.

Displaying Text

Regardless of whether a Song is selected or not, you can view computer-created text files (.txt) on the instrument’s display. To call up the display, touch **Text** (Text) on the Song Playback display. This feature enables various useful possibilities, such as the showing of lyrics, chord charts and performance notes. For details on the Text display, refer to the Reference Manual on the website.
Adjusting the Volume Balance between SONG A and SONG B (Cross Fader)

In the Dual Player mode of Song playback, the Cross Fader lets you adjust the volume balance between SONG A and SONG B playback. Moving the fader leftward increases the volume of SONG A playback, and moving rightward increases the volume of SONG B playback.

Controlling the Microphone Functions

Turning Vocal Harmony On/Off

Pressing the [VOCAL HARMONY] button turns the Vocal Harmony function on/off. By using this button, you can quickly switch whether Vocal Harmony effects are applied to your voice through a microphone or not. For details on the Vocal Harmony function, including Harmony type selection, refer to page 76.

Using the Talk function

Turning the Talk function on by pressing the [TALK] button lets you instantly change the microphone settings for speaking to your audience. Vocal Harmony is not available when this function is on. This is useful when you want to make announcements between song performances without distracting reverb effects, etc.

NOTE

You can also adjust the Talk settings to suit your preferences on the “Mic Setting” display. For details, refer to the Reference Manual on the website.
The Mixer gives you intuitive control over aspects of the keyboard parts and Song/Style channels, including volume balance and the timbre of the sounds. It lets you adjust the levels and stereo position (pan) of each Voice to set the optimum balance and stereo image, and lets you set how the effects are applied.

This section covers the basic procedures for the Mixer. For details, refer to the Reference Manual on the website.

**Basic Procedure for the Mixer**

1. **Call up the Mixer display via [MENU] → [Mixer].**

2. **Touch the appropriate tab for editing the balance between the desired parts.**

   | Panel | Use this display when you want to adjust the balance among the entire Style part, entire Multi Pad part, Left part, Right 1–3 parts, entire Song A part, entire Song B part, Mic part, Aux In Audio part, and the Wireless LAN Audio part.
   | Style | Use this display when you want to adjust the balance between the channels of the Style. About each channel, refer to “Style Channels” (page 88).
   | M.Pad | Use this display when you want to adjust the balance among the four Audio Link Multi Pads.
   | Song  | Use this display when you want to adjust the balance between all the parts of the MIDI Song.
   | Master| Unlike the other displays, use this display when you want to adjust the tonal characteristics of the entire sound (except for Audio Songs) of this instrument. For details on this display, refer to page 102.

**NOTE**
A wireless LAN function may not be included depending on your area.

151x460 to 311x556
3 Touch a tab for editing the desired parameters.

<table>
<thead>
<tr>
<th>Filter</th>
<th>For adjusting Resonance, and Cutoff (sound brightness).</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQ</td>
<td>For adjusting equalization parameters to correct the tone or timbre of the sound.</td>
</tr>
<tr>
<td>Effect</td>
<td>For selecting an Effect type and adjusting its depth for each part.</td>
</tr>
<tr>
<td>Chorus/Reverb</td>
<td>For selecting a Chorus/Reverb type and adjusting its depth for each part.</td>
</tr>
<tr>
<td>Pan/Volume</td>
<td>For adjusting panning and volume for each part.</td>
</tr>
</tbody>
</table>

4 Set the value of each parameter.

5 Save your Mixer settings.

- To save the Panel Mixer settings:
  Register them to Registration Memory (page 93).

- To save the Style Mixer Settings:
  Save them as a Style file to the User drive or USB flash drive. If you want to recall the settings for future use, select the Style file saved here.

  1 Call up the operation display via [MENU] → [Style Creator].
  2 Touch [Save] to call up the Style Selection display, then save as a Style file (page 37).

- To save the MIDI Song Mixer Settings:
  When editing and saving the MIDI Song Channel settings, a different operation is needed. For details, see “Editing and Saving the MIDI Song Mixer Settings” below.

6 Touch [Save] to call up the Song Selection display, then save as a Song file (page 37).

**NOTE**
- To reset each parameter to the default value, touch the number value or setting and hold it.

## Editing and Saving the MIDI Song Mixer Settings

First select a MIDI Song, and edit the parameters. Second, register the edited settings as part of the MIDI Song data (Setup), then save the Song to the User drive or USB flash drive. If you want to recall the settings for future use, select the Song file saved here.

1 Call up the operation display via [RECORDING] → MIDI [Multi Recording].

2 Touch the Song name “New Song” to call up the Song Selection display, then select the desired Song.

3 Edit the desired parameters, according to “Basic Procedure for the Mixer” (page 86) steps 1–4.

4 Press the [RECORDING] button to call up the MIDI Multi Recording display again.

5 Register the edited settings to the MIDI Song.
  5-1 Touch [Setup] to call up the Setup display.
  5-2 Touch [Execute] to register the edited settings as part of the MIDI Song data.

6 Touch [Save] to call up the Song Selection display, then save as a Song file (page 37).
You can add variations and change the feeling of a Style or a MIDI Song by selectively turning channels on/off.

### Style Channels
Each Style contains the channels listed below.
- **Rhythm 1/2**: These are the basic parts of the Style, containing the drum and percussion rhythm patterns.
- **Bass**: The bass part uses various appropriate instrument sounds to match the Style.
- **Chord 1/2**: These are the rhythmic chord backing, commonly consisting of piano or guitar voices.
- **Pad**: This part is used for sustained instruments such as strings, organ, choir, etc.
- **Phrase 1/2**: These parts are used for punchy brass stabs, arpeggiated chords, and other extras that make the accompaniment more interesting.

1. In the Mixer display, touch the [Style] tab or [Song] tab.
2. Touch the Channel which you want to turn on/off.

If you want to play back only one particular channel (solo playback), touch and hold the desired channel until the number is highlighted in purple. To cancel solo, simply touch the (purple) channel number again.

3. As necessary, make other settings then save them as a Style file or Song file (step 5 on page 87).
Changing the Voice for Each Channel of the Style or MIDI Song

You can change the Voice for each channel via the Mixer display.

1. In the Mixer display, touch the [Style] tab or [Song] tab.

2. Touch the instrument icon below the channel name to call up the Voice Selection display, then select the desired Voice.

3. As necessary, make other settings then save them as a Style file or Song file (step 5 on page 87).
Song Recording

This instrument allows you to record your performance in two ways: MIDI recording and Audio recording. In addition, each way of recording features two different methods: Quick Recording, which is the easiest, most convenient way to record, and Multi Recording, which allows you to record each channel or each track independently. In this section, we’ll take a look at MIDI Quick Recording and Audio Quick Recording.

**MIDI Quick Recording**
With this method, recorded performances are saved to the instrument or a USB flash drive as an SMF (format 0) MIDI file. If you want to re-record a specific section or change Voices and edit other parameters, use this method. This instrument allows you to record approximately 3 MB per Song.

**Audio Quick Recording**
With this method, recorded performances are saved to the instrument as an Audio file. Recording is done without designating the recorded part. Since it is saved in stereo WAV format of normal CD quality resolution (44.1kHz/16-bit) by default, it can be transmitted to and played on portable music players by using a computer. This instrument allows you to record up to 80 minutes per single recording.

Before recording, make the necessary settings such as Voice/Style selection. As necessary, connect the USB flash drive to the [USB TO DEVICE] terminal. With this type of recording, each part will be recorded to the following channels.

- **Keyboard parts**: channels 1–4
- **Multi Pad parts**: channels 5–8
- **Style parts**: channels 9–16

1. **Call up the MIDI Quick Recording display via [RECORDING] → MIDI [Quick Recording].**
   The display appears and a new blank Song is automatically set to record standby status.

   ![MIDI Quick Recording Display](image)

   **NOTE**
   - Audio data such as the rhythm channels created via the audio data of Audio Link Multi Pad and Audio Songs cannot be recorded to the MIDI Songs.
   - Before using a USB flash drive, be sure to read “Connecting USB Devices” on page 111.

   **NOTE**
   To cancel the recording, touch [Stop] on the display, and then press the [EXIT] button, before going on to step 2.
2 Start recording.
   You can start recording by playing the keyboard, starting the Style, playing a Multi Pad or touching [Play/Pause].

3 After you finish your performance, touch [Stop] to stop recording.

4 Touch [Save] to call up the Song Selection display, then save the recorded performance as a file (page 37).

**NOTICE**
The recorded Song will be lost if you close the display or you turn the power off without executing the save operation.

---

**Audio Quick Recording**

Before recording, make the necessary settings such as Voice/Style selection and the microphone connection (if you want to record your singing).

1 **Call up the Audio Quick Recording display via [RECORDING] → Audio [Quick Recording].**
   
   The display appears and a new empty audio file is created, with record standby status enabled. However, unlike MIDI Quick Recording, recording does not start automatically with keyboard performance, Style playback, or Multi pad playback.

2 **Before recording, check the recording levels on the Rec Monitor meter by playing the keyboard, Style, etc., and adjust them accordingly by using the corresponding slider.**
   
   Adjust the control so that the volume doesn’t constantly go into the “red” and light up the indicator.

3 **Touch [Play/Pause] to start recording.**
   
   Immediately after this operation, start and record your performance.

4 **After you finish performance, touch [Stop] to stop recording.**
   
   Recorded data is automatically saved to User drive as a file with the name automatically set. The recorded Audio Song appears in the User category on the Song Selection display.

---

**NOTE**
To cancel the recording, touch [Stop] on the display, and then press the [EXIT] button, before going on to step 2.
The Registration Memory function and the Playlist function allow you to save (or “register”) virtually all panel settings, and then instantly recall your custom panel settings for your performances by a simple, one-touch operation. The Playlist is especially useful for managing your repertoire, letting you select only the desired panel settings from the huge repertoire in the Registration Memory and create a new list.

**Registration Memory**
This function allows you to save (register) your custom panel settings to one of the Registration Memory buttons for easy recall.

There are ten Registration Memory buttons on the panel. You can save all ten registered panel setups as a Single Registration Memory Bank file.

**Playlist**
The Playlist function allows you to create your own live performance set list. You can select only the desired files from the huge number of the Registration Memory Bank files without changing the bank file configuration. Each Playlist Record can directly recall a specified Registration Memory in the selected Registration Memory Bank file. You can collectively store the Playlist Records as a single Playlist file.

- **NOTE**
  For information on the parameters that can be registered with the Registration Memory function, refer to the Registration section of the “Parameter Chart” in the Data List on the website.
### Registering Your Panel Setups

1. Make the desired panel Settings, such as those for Voices, Styles and Effects.

2. Press the [MEMORY] button in the REGISTRATION MEMORY section to call up the Registration Memory window.

3. Press the desired REGISTRATION MEMORY [1]–[10] button to which you wish to memorize the panel setup.

   The memorized button lights in red, which indicates that the button contains data and its number is selected.

4. Register various panel setups to other buttons by repeating steps 1–3.

   The registered panel setup can be recalled by simply pressing the desired number button.

---

**Notice**: If you selected a button whose lamp is lit in red or blue here, the panel setup previously memorized to the button will be erased and replaced by the new settings.

**Notice**: The panel setups registered in the numbered buttons are maintained even when you turn off the power. If you want to delete all ten current panel setups, turn the power on while holding the F#6 key (second right-most key) on the keyboard.

---

**Selecting the items to be registered**

The Registration Memory window contains the list for selecting the items to be registered. Before going on to step 3, enter or remove checkmarks by touching the desired items. Items having checkmarks will be registered.

---

**About the lamp status**

- **Red**: Data registered and currently selected
- **Blue**: Data registered but not currently selected
- **Off**: No data registered
Saving the Registration Memory as a Bank file

You can save all ten registered panel setups as a Single Registration Memory Bank file.

1 Press the REGIST BANK [-] and [+] buttons simultaneously to call up the Registration Bank Selection display.

2 Touch (File Edit) to call up the pop-up window, and then touch [Save] to save the Bank file.

For instructions on saving, refer to “File Management” (page 37).

Recalling a Registered Panel Setup from a Bank file

The saved Registration Memory Bank files can be recalled by using the REGIST BANK [-]/[+] buttons or the following procedure.

1 Press the REGIST BANK [-] and [+] buttons simultaneously to call up the Registration Bank Selection display.

2 Touch and select the desired Bank on the display.

You can also use the REGIST BANK [-]/[+] buttons to select a Bank.

3 Press one of the blue-lit numbered buttons ([1]–[10]) in the Registration Memory section.

The selected button lights in red.

NOTE
You can tag Registration Memory Bank files for easy search. For details, refer to the Reference Manual on the website.

NOTE
When recalling setups that include Song, Style or text files selected from a USB flash drive, make sure that the appropriate USB flash drive containing the registered Song, Style or text is connected into the [USB TO DEVICE] terminal.

NOTE
Before using a USB flash drive, be sure to read “Connecting USB Devices” on page 111.

NOTE
Turning the [FREEZE] button on lets you disable recall of specific item(s) as desired. For instructions, refer to the Reference Manual on the website.

NOTE
You can also call up the ten setups by using pedals or Assignable buttons in any order you specify via [MENU] ➔ [Regist Sequence]. For details, refer to the Reference Manual on the website.
Confirming the Registration Memory Bank Information

You can call up the information display to confirm which Voices, Style and Songs are memorized to the [1]–[10] buttons of a Registration Memory Bank.

1 Call up the Registration Bank Selection display, then select the desired Bank.

2 Touch  (Menu) then [Regist Bank Info] to call up the Regist Bank Information display.

   This display consists of two pages: Voice-related, and Style-related. You can switch between the two via [Voice]/[Style] on the display.

   Touch to select the desired Registration Memory. The selected Registration is automatically loaded.

3 Press the [EXIT] button to close the information display.

Editing a Registration Memory Bank

You can edit a Registration Memory Bank (delete or rename each Registration Memory, etc.) in the Regist Bank Edit display.

1 Call up the Registration Bank Selection display, then select the desired Bank.

2 Touch  (Menu) then [Regist Bank Edit] to call up the Regist Bank Edit display.

3 Edit the Registration Memory Bank information.

   Touch to select the desired Registration Memory. The Registration Memory is selected as a editing target, but not actually loaded.

   • To change the name of the selected Registration, touch [Rename].
   • To delete the selected Registration, touch [Delete].

4 Touch  (Save) to save the edited Registration Memory Bank file.
Managing a Large Repertoire by Using the Playlist

The Playlist is useful for managing multiple set lists for your live performances. You can select only the desired files from a large repertoire (the huge number of the Registration Memory Bank files) and create a new set list for each performance.

Adding a Record to the Playlist

By adding a Record to the Playlist, you can directly recall your desired Registration Memory.

1 **Press the [PLAYLIST] button to call up the Playlist display.**

   The Playlist file which was selected the last time appears. (The sample preset Playlist will appear for the first time.)

2 **Add a Record to the Playlist.**

   * To add a Record via the Registration Bank Selection display:
     2-1 Touch Add Record [List] on the display.
     The Registration Bank Select display appears.
     2-2 Select the desired Registration Bank file to register as a Playlist Record.
     Touching [Add to Playlist] closes the display, and the new Playlist Record is added to the Playlist.

   * To add a Record by using the search function:
     Touching Add Record [Search] on the display calls up the operation display for searching the desired Registration Bank file. For details on searching for files, refer to the Reference Manual on the website.
     From the search result, select the desired file and then touch [Add to Playlist] to close the display, and the new Playlist Record is added.

3 **If necessary, edit the Playlist Record.**

   The newly added Playlist Record simply recalls the selected registration Bank file.
   If you want to set more detailed settings (such as directly recalling a specified Registration Memory and automatically switching the screen view), you can edit the Playlist Record.

   3-1 Touch [Edit] to call up the Record Edit display.
3-2 Touch to edit the Record.

<table>
<thead>
<tr>
<th>Record Name</th>
<th>Determines the name of the Record. Touching [Rename] calls up the Character Entry window.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Additional actions after selecting the Record and recalling the Bank.</td>
</tr>
<tr>
<td></td>
<td>• <strong>Load Regist Memory</strong>: Recalls the Registration Memory corresponding to the selected number. When no item is selected, no Registration Memory is recalled.</td>
</tr>
<tr>
<td></td>
<td>• <strong>View</strong>: Displays the selected view. When no item is selected, no view is displayed.</td>
</tr>
</tbody>
</table>

3-3 Close the display.

4 Touch (Save) to save the added Record to the current Playlist file.

To recall the registered Record, touch the desired Record on the Playlist display.

Recalling custom panel setups via the Playlist

1 Press the [PLAYLIST] button to call up the Playlist display.

2 Touch the Playlist file name to call up the Playlist File Selection display.

3 Touch the desired Playlist file, and then close the display.

4 Touch the Record name on the Playlist display, and then touch [Load].

The Registration Memory Bank registered as the Playlist Record is recalled and the Action you’ve made is executed (page 96.)
Creating a new Playlist

1. Press the [PLAYLIST] button to call up the Playlist display.

2. Touch  (New) on the display.
   A new Playlist file is created.

Copying the Playlist Records (Append Playlist)

“Append Playlist” allows you to copy the existing Playlist file as a new Playlist file.

1. Press the [PLAYLIST] button to call up the Playlist display.

2. Touch [Append Playlist] on the display.
   The Playlist File Selection display appears.

3. Touch the desired Playlist file to append.
   All Records in the selected Playlist file are added at the bottom of the current Playlist.

4. Touch  (Save) to save the appended Records to the current Playlist file.
Changing the order of the Records in the Playlist

1 Press the [PLAYLIST] button to call up the Playlist display.

2 Change the order of the Records.
   2-1 Touch the desired Record you want to move.
   2-2 Touch (Up)/ (Down) to move the Record you selected in Step 2-1.

3 Touch (Save) to save the edited Playlist file.

Deleting the Playlist Record from the Playlist

1 On the Playlist display, touch the desired Record to select it.

2 Touch [Delete] on the display.
   A confirmation message appears here. To cancel the deletion, touch [No].

3 Touch [Yes].

4 Touch (Save) to save the edited Playlist file.

Sorting the Playlist in alphabetical order

1 Press the [PLAYLIST] button to call up the Playlist display.

2 Touch on the display.
   The Playlist items are sorted in alphabetical order. To cancel sorting, touch again.
You can customize the instrument for your own personal preferences and optimum performance. This section covers how to edit shortcuts on the Home display, set ASSIGNABLE buttons, make global settings, adjust the sound at the final output, and add expansion contents, such as Voices and Styles.

### Customizing the Shortcuts on the Home Display

You can register an often used function to a shortcut on the Home display. Although six shortcuts are registered by default, you can customize them as necessary. Registered shortcuts are shown in the Shortcut area (page 30) at the bottom of the Home display, allowing you to quickly call up the desired function from the Home display.

1. **Call up the Assignable display via [MENU] → [Assignable].**

2. **Double-tap (touch twice) the desired item from the six locations of the “Home Shortcuts” area.**
   - The function selection pop-up window appears.

3. **Touch the desired function.**
   - The function will be registered to the location selected in step 2.

### Setting the Functions or Shortcuts to the ASSIGNABLE Buttons

You can assign various control functions or shortcuts to the ASSIGNABLE [A]–[F] buttons, allowing you to quickly operate or call up the desired function.

1. **Call up the Assignable display via [MENU] → [Assignable].**

2. **Double-tap (touch twice) the desired item from the “Assignable Buttons” area.**
   - The function selection pop-up window appears.

3. **Touch the desired function.**
   - The function will be registered to the location selected in step 2.

---

**NOTE**

For details on assignable parameters and functions, refer to the Reference Manual on the website.
Making Global Settings (Utility)

The Utility function provides a variety of convenient tools and settings for Genos. These include general settings that affect the entire instrument, as well as detailed settings for specific functions. Also included are data reset functions and storage media control, such as disk formatting.

Basic Procedure

1. **Call up the operation display.**
   
   [MENU] → [Utility]

2. **Touch the desired tab to call up the desired page, and change the settings or execute the operation.**

<table>
<thead>
<tr>
<th>Speaker/Connectivity</th>
<th>Determines how the sound is output from the speaker, and the digital output volume. It also determines the display out setting when a USB display adaptor is connected (page 114).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display/Touch Screen</td>
<td>Contains display-related settings such as brightness, display speed, and touch sound On/Off settings.</td>
</tr>
<tr>
<td>Parameter Lock</td>
<td>Specifies the parameters to make them selectable only via the panel control.</td>
</tr>
<tr>
<td>Storage</td>
<td>Lets you execute the Format operation or check the memory capacity (approximate value) of the USB flash drive connected to this instrument. (page 112)</td>
</tr>
<tr>
<td>System</td>
<td>Indicates the firmware version and the hardware ID of this instrument, and lets you make basic settings, such as the language for the display, Auto Power Off function On/Off. (pages 24, 104)</td>
</tr>
<tr>
<td>Factory Reset/Backup</td>
<td>Backs up/restores whole or a part of the instrument or initializes the instrument to the factory default. (page 105)</td>
</tr>
</tbody>
</table>

For more information of each tabs, refer to the “Utility” of the Reference Manual on the website.
You can adjust the sound quality and the volume at the final output from Genos by making the Master Compressor and the Master EQ settings.

1. Call up the Mixer display via [MENU] → [Mixer].

2. Touch the “Master” tab.

3. Touch a tab for editing the desired parameters.

   | Compressor | Lets you turn the Master Compressor (which is applied to the entire sound except audio playback) on or off, select the Master Compressor type, and edit the related parameter. Your original edits can be saved as the Master Compressor type. |
   | EQ        | Lets you select the Master EQ type applied to the entire sound except audio playback and edit the related parameters. Your original edits can be saved as the Master EQ type. |

4. Set the value of each parameter.

5. Save the settings.

   Your original edits can be stored as a Master Compressor type and Master EQ type. If you want to recall the settings for future use, select the corresponding type at the upper right of each display.

   5-1 Touch  (Save) in the “Compressor” display or “EQ” display.
   5-2 Select one of User1–User30 in the “Compressor” display or User1–User30 in the “EQ” display, then touch [Save] to call up the Character Entry window.
   5-3 In the Character Entry window, change the name as necessary, then touch [OK] to save the data.
Adding New Contents—Expansion Packs

By installing Expansion Packs, you can add a variety of optional Voices and Styles to the “Expansion” folder in the User drive. The installed Voices and Styles can be selected via the User tab in the Voice or Style Selection displays, allowing you to expand your music performance and creation possibilities. You can get high quality Expansion Pack data created by Yamaha, or create your own original Expansion Pack data by using the “Yamaha Expansion Manager” software on your computer. For instructions on how to install the Expansion Packs, refer to the Reference Manual on the website.

For more information about Expansion Packs, access the Sound & Expansion Libraries page at the Yamaha MusicSoft website:
https://www.yamahamusicsoft.com/sound-and-expansion-libraries/

To obtain the Yamaha Expansion Manager software and its manuals, access the following website, and search by the model name “Genos.”
https://download.yamaha.com/
This section explains how to make important overall, system-related settings, including backup/restore of settings and file data.

### Confirming the Firmware Version and Hardware ID

You can check the firmware version and hardware ID of this instrument.

1. **Call up the operation display via [MENU] → [Utility].**
2. **Touch [System].**
   
   The program version and the hardware ID are shown in the display.

### Restoring the Factory-programmed Settings

While holding the right-most key on the keyboard, turn the power on. This restores all settings to the factory default.

**NOTE**

- You can also restore the factory default value of specified settings or delete all files/folders in the User drive on the display called up via [MENU] → [Utility] → [Factory Reset/Backup] → page 1/2. For details, refer to the "Utility" of the Reference Manual on the website.
- If you simply want to restore the default value of any parameter you’ve changed, touch and hold the value on the display (page 34).
Data Backup and Restore

Data Backup

You can back up all data in the User drive of this instrument (except for Expansion Voices/Styles) and all settings to the USB flash drive as a single file. This procedure is recommended for data security and backup in case of damage.

1 Connect the USB flash drive to the [USB TO DEVICE] terminal as backup destination.

2 Call up the display via [MENU] → [Utility] → [Factory Reset/Backup] → page 2/2.

3 Touch [Backup] to save the backup file to the USB flash drive.

If you want to include the audio files to the backup file:
Before going on to step 3, enter a checkmark by touching the “Include Audio files” checkbox.

3 Touch [Backup] to save the backup file to the USB flash drive.

Restoring the Backup file

To do this, touch [Restore] in step 3 above. When the operation is complete, the instrument will be restarted automatically.
Connections—Using Your Instrument with Other Devices

This chapter covers the connections of this instrument to other devices. To see where the connectors are located on the instrument, refer to pages 18–21.

⚠️ **CAUTION**

Before connecting the instrument to other electronic components, turn off the power of all components. Also, before turning any components on or off, make sure to set all volume levels to minimum (0). Otherwise, damage to the components, electrical shock, or even permanent hearing loss may occur.

Connecting a Microphone ([MIC INPUT] jack)

By connecting a microphone, you can sing along with your keyboard performance or with Song playback, as well as record your vocal performance to an Audio Song. Make sure you have a dynamic microphone or a condenser microphone.

**About Dynamic and Condenser Microphones**

- A dynamic microphone reduces vibration noise, making it good for live performances. Power is not required.
- A condenser microphone is mainly used for vocals and other instruments in environments such as a recording studio, since it is more sensitive to delicate sounds. For this reason, you need to take greater care to minimize vibrations than with a dynamic microphone. The condenser microphone requires phantom power supply (+48V), which it receives from Genos by connecting with an XLR connector.

Connecting a microphone to the instrument

1. Set the [MASTER VOLUME] knob and the [MIC GAIN] knob to the minimum position.

2. Set the [+48V] switch to off.
3 Connect a microphone to the [MIC INPUT] jack.
For dynamic microphone connection, use the XLR connector or a standard 1/4” phone plug connector. For a condenser microphone, use the XLR connector.

4 When using a condenser microphone, turn the [+48V] switch on.

5 Return the [MASTER VOLUME] dial to the original level.

Adjusting the input level of the microphone

1 If necessary, turn on the microphone.

2 Call up the Mic Setting display via [MENU] → [Mic Setting].

3 Adjust the [MIC GAIN] knob while singing into the microphone.
Adjust the [MIC GAIN] knob so that the input level meter on the display lights in green or yellow. Make sure that the meter does not light in orange or red, since this indicates that the input level is too high.

4 Adjust the volume balance between the microphone sound and the instrument sound on the Mixer display (page 86).
Disconnecting the microphone

1 Set the [MASTER VOLUME] knob and the [MIC GAIN] knob to the minimum position.

2 Set the [+48V] switch to off.

3 When using a condenser microphone, wait more than 10 seconds.

4 Disconnect the microphone from the [MIC INPUT] jack.

NOTICE
Disconnecting immediately can damage the condenser microphone and/or the instrument itself.

Connecting the Optional Yamaha GNS-MS01 Speaker

Use the [TO RIGHT SPEAKER], [TO LEFT SPEAKER] and [TO SUB WOOFER] jacks. Refer to page 118.

Connecting Audio Devices (LINE OUT jacks, AUX IN jacks, [DIGITAL OUT] jack)

IMPORTANT
Since Genos has no built-in speakers, you need to monitor its sound output via external audio equipment. Alternatively, you can use a pair of headphones (page 22).

Using external audio devices for playback (LINE OUT jacks)

The LINE OUT jacks are used to send Genos output to a keyboard amplifier, stereo sound system or mixing console. If you are connecting Genos to a mono sound system, use only the LINE OUT MAIN [L/L+R] jack. When only this jack is connected (using a standard phone plug), the left and right channels are combined and output through this jack—providing a convenient mono mix of Genos’s stereo sound.

NOTE
You can send a specific part to any desired LINE OUT SUB jack. The operation display can be called up via: [MENU] → [Line Out]. For details, refer to the Reference Manual on the website.

You can also use the [DIGITAL OUT] jack instead of the LINE OUT MAIN jacks. However, the output volume from [DIGITAL OUT] cannot be controlled by MASTER VOLUME.

NOTICE
To avoid possible damage, first turn on the power to the instrument, then to the external device. When turning off the power, first turn off the power to the external device, then to the instrument. Since this instrument’s power may automatically be turned off due to the Auto Power Off function (page 24), turn off the power to the external device, or disable Auto Power Off when you do not intend to operate the instrument.
Connections—Using Your Instrument with Other Devices

Playing External Audio Devices with Genos (AUX IN jacks)

You can connect the output jacks of an external device (such as CD player, portable audio player, tone generator, etc.) to the instrument’s AUX IN [L/L+R]/[R] jacks, letting you hear the sound of that device through the headphones or the optional Yamaha GNS-MS01 speakers of Genos.

**NOTICE**
To avoid damage to the devices, first turn on the power to the external device, then to the instrument. When turning off the power, first turn off the power to the instrument, then to the external device.

**NOTE**
- Use only the [L/R] jack for connection with a monaural device.
- The input signal from the AUX IN jacks is affected by the setting of the instrument’s MASTER VOLUME dial, and the volume balance with other parts such as entire keyboard can be adjusted by the Mixer display (page 86).

**Using the LINE OUT SUB [3]–[4] jacks as AUX OUT jacks**
You can switch the function of the LINE OUT SUB [3]–[4] jacks to AUX OUT jacks from the instrument’s display called up via [MENU] → [Line Out]. For details, refer to the Reference Manual on the website.

**NOTICE**
Do not route the output from the AUX OUT jacks to the AUX IN jacks. If you make this connection, the signal input at the AUX IN jacks is output from the AUX OUT jacks, possibly resulting in a feedback loop that will make normal performance impossible, and may even damage the equipment.

**NOTE**
The output volume from AUX OUT jacks cannot be controlled by the MASTER VOLUME control.

**Using the [DIGITAL OUT] jack**
The [DIGITAL OUT] jack has the same output signal as the LINE OUT MAIN jacks. By using this jack, you can record the keyboard performance or Song playback of this instrument to external media (e.g., a computer or CD recorder) with exceptionally high-quality sound—thanks to the direct digital connection.

Use this connector to output digital signals via a coaxial (RCA-pin) cable. The digital signal format is CD/DAT (S/PDIF). This connector outputs a digital signal of 44.1 kHz/24 bit.

**NOTE**
The output volume from the [DIGITAL OUT] jack cannot be controlled by the MASTER VOLUME control. To control the digital output volume, adjust the Digital Out Level on the following display: ([MENU] → [Utility] → [Speaker/Connectivity]).

**Phone plug (standard)**

**LINE OUT**

**CD player, portable audio player, tone generator**

**Audio cable**
Connecting Footswitches/Foot Controllers (ASSIGNABLE FOOT PEDAL jacks)

One or two optional Yamaha FC4A or FC5 Footswitches and an optional Yamaha FC7 Foot Controller can be connected to these ASSIGNABLE FOOT PEDAL jacks. A footswitch can be used for switching functions on and off, while a foot controller can be used to control continuous parameters, such as volume.

With the initial factory settings, each jack features the following function.

- **1 (SUSTAIN)** ........................Controls sustain.
- **2 (ART. 1)** ............................Controls an articulation effect on a Super Articulation/Super Articulation 2 Voice.
- **3 (VOLUME)** ..........................Controls volume.

You can also change the function assignments to the pedals as desired.

**Example: Controlling SONG A start/stop by footswitch**

Connect a footswitch (FC4A or FC5) to one of the ASSIGNABLE FOOT PEDAL jacks. To assign the function to the connected pedal, select “Song A Play/Pause” in the operation display: [MENU] → [Assignable].

**NOTE**
Do not connect or disconnect any of the pedals when the power is on.

For a list of the functions you can assign to the pedals, refer to the Reference Manual on the website.
**Connecting USB Devices ([USB TO DEVICE] terminal)**

You can connect a USB flash drive to the [USB TO DEVICE] terminal, and save data you’ve created on the instrument to the drive (page 37).

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**Precautions when using the [USB TO DEVICE] terminal**

This instrument features a built-in [USB TO DEVICE] terminal. When connecting a USB device to the terminal, be sure to handle the USB device with care. Follow the important precautions below.

- **Compatible USB devices**
  - USB flash drive
  - USB display adaptor

Other USB devices such as a USB hub, computer keyboard or mouse cannot be used. The instrument does not necessarily support all commercially available USB devices. Yamaha cannot guarantee operation of USB devices that you purchase. Before purchasing a USB device for use with this instrument, please visit the following web page:

  https://download.yamaha.com/

Although USB devices 1.1 to 3.0 can be used on this instrument, the amount of time for saving to or loading from the USB device may differ depending on the type of data or the status of the instrument.

- **Connecting a USB device**
  When connecting a USB device to the [USB TO DEVICE] terminal, make sure that the connector on the device is appropriate and that it is connected in the proper direction.

- **Using USB flash drives**
  By connecting the instrument to a USB flash drive, you can save data you’ve created to the connected device, as well as read data from the connected device.

- **Number of USB flash drives that can be used**
  Only one USB flash drive can be connected to each of the [USB TO DEVICE] terminals.

- **Formatting a USB flash drive**
  You should format the USB flash drive only with this instrument (page 112). A USB flash drive formatted on another device may not operate properly.

- **To protect your data (write-protect)**
  To prevent important data from being inadvertently erased, apply the write-protect provided with each USB flash drive. If you are saving data to the device, make sure to disable write-protect.

- **Turning off the instrument**
  When turning off the instrument, make sure that the instrument is NOT accessing the USB flash drive by playback/recording or file management (such as during Save, Copy, Delete and Format operations). Failure to do so may corrupt the device and the data.

---

**NOTE**

- Do not use an extension cable when connecting a USB device.

- Do not connect USB devices having a rating above this, since this can cause damage to the instrument itself.

- The format operation overwrites any previously existing data. Make sure that the device you are formatting does not contain important data. Proceed with caution, especially when connecting multiple USB flash drives.

---

**NOTICE**

- Avoid connecting or disconnecting the USB device during playback/recording and file management operations (such as Save, Copy, Delete and Format), or when accessing the USB device. Failure to observe this may result in “freezing” of the operation of the instrument or corruption of the USB device and the data.

- When connecting then disconnecting the USB device (and vice versa), make sure to wait a few seconds between the two operations.

---

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For more information about the handling of USB devices, refer to the owner’s manual of the USB device.
Formatting a USB flash drive or the internal User drive

To format a USB flash drive or the internal User drive, execute the Format operation. In order to format a USB flash drive, make sure that a USB flash drive is properly connected to the [USB TO DEVICE] terminal beforehand.

1. Connect a USB flash drive for formatting to the [USB TO DEVICE] terminal.

2. Call up the operation display via [MENU] → [Utility] → [Storage].

3. Touch the name of the desired drive to be formatted in the device list.
   The indications USB 1, USB 2, etc. are displayed, depending on the number assigned to the connected device.

4. Touch [Format] to execute the Format operation.

You can use a smart device, such as an iPhone or iPad, with the instrument for a variety of musical purposes by connecting it to the instrument. By using application tools on your smart device, you can take advantage of convenient functions and get more enjoyment out of this instrument.

You can make connections by one of the following methods.
- Connecting via the wireless LAN function (*1).
- Connect to the [USB TO HOST] terminal via a Wireless MIDI Adaptor: UD-BT01 (*2)
- Connect to the MIDI terminals via a Wireless MIDI Adaptor: MD-BT01 (*2)

   *1 The wireless LAN function may not be included depending on your area.
   *2 These accessories are sold separately, but may not be available depending on your area.

For details on connections, refer to the “iPhone/iPad Connection Manual” and the Reference Manual on the website.
For information about the compatible smart devices and application tools, access the following page:
  https://www.yamaha.com/kbdapps/

NOTICE

The Format operation deletes any previously existing data. Make sure that the USB flash drive you are formatting does not contain important data. Proceed with caution, especially when connecting multiple USB flash drives.

NOTICE

Do not place your iPhone/iPad in an unstable position. Doing so may cause the device to fall and result in damage.

NOTE

When you use the instrument along with an application on your iPhone/iPad, we recommend that you first set “Airplane Mode” to “ON” then set “Wi-Fi” to “ON” on your iPhone/iPad in order to avoid noise caused by communication.

Connecting to an iPhone/iPad (Wireless LAN function, [USB TO HOST], or MIDI terminals)
Connecting to a Computer ([USB TO HOST] terminal)

By connecting a computer to the [USB TO HOST] terminal, you can transfer data between the instrument and the computer via MIDI. For details on using a computer with this instrument, refer to the “Computer-related Operations” on the website.

![USB connection diagram]

Connecting External MIDI Devices (MIDI terminals)

Use the [MIDI] terminals and standard MIDI cables to connect external MIDI devices (keyboard, sequencer, etc.).

- **MIDI IN**.........Receives MIDI messages from another MIDI device. Two ports (A, B) are provided and each can receive MIDI messages over 16 channels.
- **MIDI OUT**........Transmits MIDI messages generated by Genos to another MIDI device. Two ports (A, B) are provided and each can transmit MIDI messages over 16 channels.

![MIDI terminal diagram]

The MIDI settings such as transmit/receive channels on the instrument can be set via [MENU] → [MIDI]. For details, refer to the Reference Manual on the website.

**NOTICE**

Use an A type USB cable of less than 3 meters. USB 3.0 cables cannot be used.

**NOTE**

- When using a USB cable to connect the instrument to your computer, make the connection directly without passing through a USB hub.
- The instrument will begin transmission a short time after the USB connection is made.
- For information on setting up your sequence software, refer to the owner’s manual of the relevant software.
Viewing the Instrument’s Display on an External Monitor

By connecting with an external monitor such as a television, you can separately show the lyrics/text or duplicate the instrument display (mirroring) on an external monitor. Use a USB display adaptor and a display cable which are compatible with both this instrument and the monitor to connect to the [USB TO DEVICE] terminal of this instrument.

For a list of compatible USB display adaptors, visit the following website: https://download.yamaha.com/

Set the display content that is to be output via [MENU] → [Utility] → [Speaker/Connectivity].

<table>
<thead>
<tr>
<th>Lyrics/Text</th>
<th>Only the lyrics of the Song or text files (whichever you used last time) are output, regardless of the display that is called up on the instrument.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mirroring</td>
<td>The currently selected display is output.</td>
</tr>
</tbody>
</table>

**NOTICE**
When connecting the USB display adaptor, connect directly to the [USB TO DEVICE] terminal on the instrument. (Do not use a USB hub.)

**NOTE**
Genos generates a 800 x 600 size image for external display. The size of Genos main display is 800 x 480, so there will always be blank areas at the top and bottom of the image.

**NOTE**
Before using the [USB TO DEVICE] terminal, be sure to read “Precautions when using the [USB TO DEVICE] terminal” on page 111.
This section simply and very briefly explains what you can do in the displays called up by pressing the buttons on the panel, or by touching each icon on the Menu display.

For more information, refer to the page indicated below or the Reference manual on the website. The “●” mark indicates that the detailed information is described in the Reference Manual.

Displays accessible by the panel buttons

<table>
<thead>
<tr>
<th>Display</th>
<th>Button to access</th>
<th>Description</th>
<th>Pages</th>
<th>Reference Manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home</td>
<td>[HOME]</td>
<td>Portal of the instrument’s display structure, which provides at-a-glance information on all current settings.</td>
<td>30</td>
<td>-</td>
</tr>
<tr>
<td>Menu</td>
<td>[MENU]</td>
<td>By touching each of the icons, you can call up the menus for the various functions listed below.</td>
<td>33</td>
<td>-</td>
</tr>
<tr>
<td>Style Selection</td>
<td>[STYLE]</td>
<td>For selecting Style files.</td>
<td>44</td>
<td>-</td>
</tr>
<tr>
<td>Voice Part Setup</td>
<td>[VOICE]</td>
<td>For making detailed settings such as Voice Edit and Effect settings of the keyboard parts.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Song Playback</td>
<td>[SONG]</td>
<td>For controlling Song playback.</td>
<td>72, 78</td>
<td>●</td>
</tr>
<tr>
<td>Playlist</td>
<td>[PLAYLIST]</td>
<td>For selecting and editing Playlists, and managing your repertoire.</td>
<td>96</td>
<td>-</td>
</tr>
<tr>
<td>Song Recording</td>
<td>[RECORDING]</td>
<td>For recording your performance.</td>
<td>90</td>
<td>-</td>
</tr>
<tr>
<td>Voice Selection</td>
<td>VOICE SELECT [LEFT]–[RIGHT 3]</td>
<td>For assigning Voices to each of the keyboard parts.</td>
<td>52</td>
<td>●</td>
</tr>
<tr>
<td>Multi Pad Selection</td>
<td>MULTIPAD CONTROL [SELECT]</td>
<td>For selecting Multi Pads.</td>
<td>59</td>
<td>●</td>
</tr>
<tr>
<td>Registration Memory Bank Selection</td>
<td>REGISTRATION BANK [-]/[+]</td>
<td>For selecting Registration Memory Banks.</td>
<td>94</td>
<td>●</td>
</tr>
<tr>
<td>Registration Memory window</td>
<td>[MEMORY]</td>
<td>For registering the current panel settings.</td>
<td>93</td>
<td>-</td>
</tr>
</tbody>
</table>

Menu display functions

<table>
<thead>
<tr>
<th>Menu</th>
<th>Description</th>
<th>Pages</th>
<th>Reference Manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixer</td>
<td>For adjusting the parameters of each part, such as volume, pan, and EQ. It also allows you to adjust overall sound controls, such as Master Compressor and Master EQ.</td>
<td>86</td>
<td>●</td>
</tr>
<tr>
<td>Channel On/Off</td>
<td>For turning on and off the each channel of the Style, and MIDI Song.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Line Out</td>
<td>Determines which jack is used to output each part and each drum &amp; percussion instrument.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Score</td>
<td>For displaying the music notation (score) of the current MIDI Song.</td>
<td>83</td>
<td>●</td>
</tr>
<tr>
<td>Lyrics</td>
<td>For displaying the lyrics of the current Song.</td>
<td>84</td>
<td>●</td>
</tr>
<tr>
<td>Text Viewer</td>
<td>For displaying text files created on your computer.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Chord Looper</td>
<td>For recording a sequence of the chords and playing it back in a loop.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Mic Setting</td>
<td>Makes settings for the microphone sound.</td>
<td>107</td>
<td>●</td>
</tr>
<tr>
<td>Vocal Harmony</td>
<td>For adding Vocal Harmony effects to your singing. You can edit the Vocal Harmony and save as your original harmony.</td>
<td>76</td>
<td>●</td>
</tr>
<tr>
<td>Kbd Harmony/Arp</td>
<td>For adding the Harmony/Arpeggio effect to the right-hand section of the keyboard. Parameters such as Harmony/Arpeggio type can be set.</td>
<td>56</td>
<td>●</td>
</tr>
<tr>
<td>Split &amp; Fingering</td>
<td>For setting the Split Point or change the Chord Fingering type and Chord Detection area.</td>
<td>46, 49, 51</td>
<td>●</td>
</tr>
<tr>
<td>Regist Sequence</td>
<td>Determines the order for calling up Registration Memory settings when using the pedal.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Regist Freeze</td>
<td>Determines the item(s) that remain unchanged even when you call up panel setups from the Registration Memory.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Tempo</td>
<td>For adjusting the tempo of MIDI Song, Style or Metronome. The same operation as using Tempo [-]/[+] and [TAP TEMPO] buttons can be done on the display.</td>
<td>46</td>
<td>●</td>
</tr>
<tr>
<td>Metronome</td>
<td>For making settings of the metronome and the [TAP TEMPO] button.</td>
<td>41</td>
<td>●</td>
</tr>
<tr>
<td>Live Control</td>
<td>Determines the functions assigned to the LIVE CONTROL knobs &amp; sliders.</td>
<td>62</td>
<td>●</td>
</tr>
<tr>
<td>Assignable</td>
<td>Determines the functions assigned to the pedals, assignable buttons, and the shortcuts on the Home display.</td>
<td>63, 100</td>
<td>●</td>
</tr>
<tr>
<td>Menu</td>
<td>Description</td>
<td>Pages</td>
<td>Reference</td>
</tr>
<tr>
<td>--------------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
<td>-------</td>
<td>-----------</td>
</tr>
<tr>
<td>Panel Lock</td>
<td>For locking the panel settings. When the panel settings are locked, nothing happens even when pressing any panel buttons.</td>
<td>41</td>
<td>Manual</td>
</tr>
<tr>
<td>Demo</td>
<td>For calling up the Demo display.</td>
<td>36</td>
<td>-</td>
</tr>
<tr>
<td>Voice Edit</td>
<td>For editing the preset Voices to create your own Voices. The display differs depending on whether an Organ Flutes Voice or another kind of Voice is selected.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Style Creator</td>
<td>For creating a Style by editing the preset Style, or by recording Style channels one by one.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Song Recording</td>
<td>For recording your performance. (This is same as the [RECORDING] button on the panel.)</td>
<td>90</td>
<td>●</td>
</tr>
<tr>
<td>M.Pad Creator</td>
<td>For creating a Multi Pad by editing an existing preset Multi Pad, or by recording a new one.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Voice Setting</td>
<td>Determines the detailed settings of the keyboard parts, such as the pitch for each part, Voice Set filter, and Super Articulation Voice related settings.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Style Setting</td>
<td>For making Style playback related settings such as OTS Link timing, Dynamics Control, etc.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Song Setting</td>
<td>For making Song playback related settings such as Guide function, Channel settings, etc.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Chord Tutor</td>
<td>Indicates how to play chords that correspond to the specified chord names.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Scale Tune</td>
<td>For setting the scale type.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Master Tune</td>
<td>For fine-tuning the pitch of the entire instrument.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Transpose</td>
<td>For transposing the pitch of the entire sound in semitones, or just the sound of the keyboard or MIDI Song.</td>
<td>61</td>
<td>●</td>
</tr>
<tr>
<td>Keyboard/Joystick</td>
<td>Determines the Touch Response of the keyboard and Joystick-related settings.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>MIDI</td>
<td>For making MIDI-related settings.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Utility</td>
<td>For making global settings, managing the USB flash drives, initializing the instrument to the factory default, or backing up the data stored in the instrument, etc.</td>
<td>101</td>
<td>●</td>
</tr>
<tr>
<td>Wireless LAN*</td>
<td>For making settings for connecting the instrument to a smart device such as iPad via the wireless LAN function.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Time</td>
<td>For making settings of the time shown on the display.</td>
<td>-</td>
<td>●</td>
</tr>
<tr>
<td>Expansion</td>
<td>For installing Expansion Packs for adding extra contents downloaded from the website or created on your own by using the Yamaha Expansion Manager.</td>
<td>-</td>
<td>●</td>
</tr>
</tbody>
</table>

* This icon appears only when the wireless function is included.
Installing the Optional Speakers

Make sure that all of the parts below have been included in the GNS-MS01 speaker package.

1. Turn Genos’s power off, and disconnect the AC power cord. Also, make sure to disconnect the keyboard from any other external devices.

2. Insert the two speaker brackets to the rear panel of Genos.

3. Fasten the satellite speakers to the left and right brackets.

4. Use the phone cables to connect the speakers to the respective outputs on Genos.

Either cable can be used interchangeably with either output jack.
5 Use the 8-pin mini DIN cable to connect the subwoofer to Genos.

6 Connect the supplied AC power cord to the subwoofer.

7 Connect the power plugs of Genos and the subwoofer to an appropriate AC outlet.

8 Set the volume controls (MASTER VOLUME on Genos and MAIN VOLUME on the subwoofer) to minimum.

9 Turn on the power of Genos, then the subwoofer.

10 Adjust the volume controls (MASTER VOLUME on Genos and MAIN VOLUME on the subwoofer) to appropriate levels.
Direct Access Chart

Press the [DIRECT ACCESS] button, then press one of the buttons (or move the appropriate knob, slider, joystick or pedal) listed below to call up the desired display.

<table>
<thead>
<tr>
<th>Control</th>
<th>Display called up with the Direct Access function</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACMP</td>
<td>Split Point &amp; Fingering</td>
</tr>
<tr>
<td>AUTO FILL IN</td>
<td></td>
</tr>
<tr>
<td>OTS LINK</td>
<td>Style Setting</td>
</tr>
<tr>
<td>BREAK</td>
<td>Effect</td>
</tr>
<tr>
<td>INTRO 1</td>
<td>Pan Volume</td>
</tr>
<tr>
<td>INTRO 2</td>
<td>Style</td>
</tr>
<tr>
<td>INTRO 3</td>
<td>Pan</td>
</tr>
<tr>
<td>MAIN A</td>
<td>Volume</td>
</tr>
<tr>
<td>MAIN B</td>
<td></td>
</tr>
<tr>
<td>MAIN C</td>
<td>Chorus Reverb</td>
</tr>
<tr>
<td>MAIN D</td>
<td>Reverb</td>
</tr>
<tr>
<td>ENDING 1</td>
<td></td>
</tr>
<tr>
<td>ENDING 2</td>
<td></td>
</tr>
<tr>
<td>ENDING 3</td>
<td></td>
</tr>
<tr>
<td>SYNC START</td>
<td>Chord Looper</td>
</tr>
<tr>
<td>SYNC STOP</td>
<td>Style Setting</td>
</tr>
<tr>
<td>START/STOP</td>
<td></td>
</tr>
<tr>
<td>SONG A</td>
<td>PLAY/PAUSE</td>
</tr>
<tr>
<td>PREV</td>
<td></td>
</tr>
<tr>
<td>NEXT</td>
<td></td>
</tr>
<tr>
<td>SONG B</td>
<td>PLAY/PAUSE</td>
</tr>
<tr>
<td>PREV</td>
<td></td>
</tr>
<tr>
<td>NEXT</td>
<td></td>
</tr>
<tr>
<td>SONG A/SONG B</td>
<td>CROSS FADER</td>
</tr>
<tr>
<td>RECORDING</td>
<td>Guide</td>
</tr>
<tr>
<td>TAP TEMPO</td>
<td>Metronome</td>
</tr>
<tr>
<td>TEMPO +</td>
<td>Tap Tempo</td>
</tr>
<tr>
<td>TEMPO -</td>
<td></td>
</tr>
<tr>
<td>TRANSPOSE +</td>
<td>Style Setting</td>
</tr>
<tr>
<td>TRANSPOSE -</td>
<td></td>
</tr>
<tr>
<td>UPPER OCTAVE +</td>
<td>Voice Setting</td>
</tr>
<tr>
<td>UPPER OCTAVE -</td>
<td>Tune</td>
</tr>
<tr>
<td>ROTARY SP/ASSIGNABLE</td>
<td>Assignable</td>
</tr>
<tr>
<td>MIC</td>
<td>VOCAL HARMONY</td>
</tr>
<tr>
<td>TALK</td>
<td>Mic Setting</td>
</tr>
<tr>
<td>DIRECT ACCESS</td>
<td>-</td>
</tr>
<tr>
<td>ART</td>
<td>-</td>
</tr>
<tr>
<td>MODULATION HOLD</td>
<td>-</td>
</tr>
<tr>
<td>JOYSTICK</td>
<td>JOYSTICK X</td>
</tr>
<tr>
<td>JOYSTICK Y</td>
<td>Keyboard/Joystick</td>
</tr>
<tr>
<td>KNOB</td>
<td>Menu</td>
</tr>
<tr>
<td>ASSIGN</td>
<td>Live Control</td>
</tr>
<tr>
<td>SLIDER</td>
<td>Menu</td>
</tr>
<tr>
<td>ASSIGN</td>
<td>Live Control</td>
</tr>
<tr>
<td>ONE TOUCH SETTING</td>
<td>(Style Selection)</td>
</tr>
<tr>
<td>SETTING</td>
<td>Style Information</td>
</tr>
</tbody>
</table>

NOTE: "-" indicates that the function is not available.
<table>
<thead>
<tr>
<th>Control</th>
<th>Display called up with the Direct Access function</th>
</tr>
</thead>
<tbody>
<tr>
<td>MULTI PAD</td>
<td>Multi Pad 1 or Multi Pad 2 or Multi Pad 3 or Multi Pad 4</td>
</tr>
<tr>
<td>STOP</td>
<td>Multi Pad 1 or Multi Pad 2 or Multi Pad 3 or Multi Pad 4</td>
</tr>
<tr>
<td>1</td>
<td>Multi Pad 1 or Multi Pad 2 or Multi Pad 3 or Multi Pad 4</td>
</tr>
<tr>
<td>2</td>
<td>Multi Pad 1 or Multi Pad 2 or Multi Pad 3 or Multi Pad 4</td>
</tr>
<tr>
<td>3</td>
<td>Multi Pad 1 or Multi Pad 2 or Multi Pad 3 or Multi Pad 4</td>
</tr>
<tr>
<td>4</td>
<td>Multi Pad 1 or Multi Pad 2 or Multi Pad 3 or Multi Pad 4</td>
</tr>
<tr>
<td>ENTER</td>
<td>Menu Scale Tune</td>
</tr>
<tr>
<td>EXIT</td>
<td>Home</td>
</tr>
<tr>
<td>DIAL</td>
<td>-</td>
</tr>
<tr>
<td>INC</td>
<td>-</td>
</tr>
<tr>
<td>DEC</td>
<td>-</td>
</tr>
<tr>
<td>PART SELECT LEFT</td>
<td>LEFT</td>
</tr>
<tr>
<td>PART SELECT R1</td>
<td>R1</td>
</tr>
<tr>
<td>PART SELECT R2</td>
<td>R2</td>
</tr>
<tr>
<td>PART SELECT R3</td>
<td>R3</td>
</tr>
<tr>
<td>PART ON/OFF LEFT</td>
<td>LEFT</td>
</tr>
<tr>
<td>PART ON/OFF R1</td>
<td>R1</td>
</tr>
<tr>
<td>PART ON/OFF R2</td>
<td>R2</td>
</tr>
<tr>
<td>PART ON/OFF R3</td>
<td>R3</td>
</tr>
<tr>
<td>LEFT HOLD</td>
<td>Split Point &amp; Fingering</td>
</tr>
<tr>
<td>SUSTAIN</td>
<td>Mixer</td>
</tr>
<tr>
<td>HARMONY/ ARPEGGIO</td>
<td>Keyboard Harmony / Arpeggio</td>
</tr>
<tr>
<td>HOME</td>
<td>-</td>
</tr>
<tr>
<td>MENU</td>
<td>-</td>
</tr>
<tr>
<td>STYLE</td>
<td>-</td>
</tr>
<tr>
<td>VOICE</td>
<td>-</td>
</tr>
<tr>
<td>SONG</td>
<td>-</td>
</tr>
<tr>
<td>PLAYLIST</td>
<td>-</td>
</tr>
<tr>
<td>ASSIGNABLE</td>
<td>Assignable A</td>
</tr>
<tr>
<td></td>
<td>Assignable B</td>
</tr>
<tr>
<td></td>
<td>Assignable C</td>
</tr>
<tr>
<td></td>
<td>Assignable D</td>
</tr>
<tr>
<td></td>
<td>Assignable E</td>
</tr>
<tr>
<td></td>
<td>Assignable F</td>
</tr>
<tr>
<td>REGIST BANK +</td>
<td>Registration Bank Edit</td>
</tr>
<tr>
<td>REGIST BANK -</td>
<td>Registration Bank Edit</td>
</tr>
<tr>
<td>FREEZE</td>
<td>Registration Freeze</td>
</tr>
<tr>
<td>MEMORY</td>
<td>Registration Sequence</td>
</tr>
<tr>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>(Registration Bank Selection)</td>
</tr>
<tr>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>7</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>-</td>
</tr>
<tr>
<td>9</td>
<td>-</td>
</tr>
<tr>
<td>10</td>
<td>Registration Bank Information</td>
</tr>
<tr>
<td>ASSIGNABLE FOOT PEDAL</td>
<td>Pedal 1</td>
</tr>
<tr>
<td></td>
<td>Pedal 2</td>
</tr>
<tr>
<td></td>
<td>Pedal 3</td>
</tr>
</tbody>
</table>
### Troubleshooting

<table>
<thead>
<tr>
<th>Overall</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A click or pop is heard when the power is turned on or off.</td>
<td>This is normal. Electrical current is being applied to the instrument.</td>
</tr>
<tr>
<td>The power is automatically turned off.</td>
<td>This is normal and due to the Auto Power Off function. If necessary, set the parameter of the Auto Power Off function (page 24).</td>
</tr>
<tr>
<td>Noise is heard from the instrument.</td>
<td>Noise may be heard if a mobile phone is used near the instrument or if the phone is ringing. Turn off the mobile phone, or use it further away from the instrument.</td>
</tr>
<tr>
<td>Noise is heard from the instrument’s speakers or headphones when using the instrument with an iPhone/iPad app.</td>
<td>When you use the instrument along with an iPhone/iPad app, we recommend that you set &quot;Airplane Mode&quot; to &quot;ON&quot; on your iPhone/iPad in order to avoid noise caused by communication.</td>
</tr>
<tr>
<td>In the LCD, there are some specific points that are always lit or unlit.</td>
<td>These are the result of defective pixels and occasionally occur in TFT-LCDs; they do not indicate a problem in operation.</td>
</tr>
<tr>
<td>There is a slight difference in sound quality among different notes played on the keyboard.</td>
<td>This is normal and is a result of the instrument’s sampling system.</td>
</tr>
<tr>
<td>Some Voices have a looping sound.</td>
<td></td>
</tr>
<tr>
<td>Some noise or vibrato is noticeable at higher pitches, depending upon the Voice.</td>
<td></td>
</tr>
<tr>
<td>The overall volume is too low, or, no sound is heard.</td>
<td>The master volume may be set too low. Set it to an appropriate level with the [MASTER VOLUME] dial.</td>
</tr>
<tr>
<td></td>
<td>All keyboard parts are set to off. Use the PART ON/OFF [RIGHT 1]/[RIGHT 2]/[RIGHT 3]/[LEFT] button to turn it on (page 48).</td>
</tr>
<tr>
<td></td>
<td>The volume of individual parts may be set too low. Raise the volume in the Mixer display (page 86).</td>
</tr>
<tr>
<td></td>
<td>Make sure the desired channel is set to on in the Mixer display (page 88).</td>
</tr>
<tr>
<td></td>
<td>Headphones are connected, disabling the speaker output. Unplug the headphones.</td>
</tr>
<tr>
<td></td>
<td>Connect the footswitch to the appropriate jack.</td>
</tr>
<tr>
<td></td>
<td>Check whether the external speaker is connected and the volume control is adjusted properly (pages 108, 118).</td>
</tr>
<tr>
<td>The sound is distorted or noisy.</td>
<td>The volume may be turned up too high. Make sure all relevant volume settings are appropriate.</td>
</tr>
<tr>
<td></td>
<td>This may be caused by certain effects or filter resonance settings. Check the effect or filter settings and change them accordingly in the Mixer display, referring to the Reference Manual on the website.</td>
</tr>
<tr>
<td>Not all simultaneously played notes sound.</td>
<td>You are probably exceeding the maximum polyphony of the instrument. When the maximum polyphony is exceeded, the least important notes (such as soft notes and notes currently decaying) will stop sounding first.</td>
</tr>
<tr>
<td>The keyboard volume is lower than the Style/Song playback volume.</td>
<td>The volume of the keyboard parts may be set too low. Raise the volume in the Mixer display (page 86).</td>
</tr>
<tr>
<td></td>
<td>This may occur if a USB flash drive has been installed to the instrument. Installation of some USB flash drive may result a long interval between turning the power on and appearance of the Home display. To avoid this, turn the power on after disconnecting the device.</td>
</tr>
<tr>
<td></td>
<td>The language settings have been changed. Set the appropriate language for the file/folder names (page 24).</td>
</tr>
<tr>
<td></td>
<td>The file extension (.MID, etc.) may have been changed or deleted. Manually rename the file, adding the appropriate extension, on a computer.</td>
</tr>
<tr>
<td></td>
<td>Data files with names of more than 50 characters cannot be handled by the instrument. Rename the file, reducing the number of characters to 50 or less.</td>
</tr>
</tbody>
</table>

### Style

<p>| The Style does not start even when the [START/STOP] button is pressed. | The Rhythm channel of the selected Style may not contain any data. Turn the [ACMP] button on and play the left-hand section on the keyboard to sound the accompaniment part of the Style. |</p>
<table>
<thead>
<tr>
<th>Troubleshooting</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Only the rhythm channel plays.</td>
<td>Make sure the Auto Accompaniment function is turned on; press the [ACMP] button.</td>
</tr>
<tr>
<td>Make sure to play keys in the chord range of the keyboard.</td>
<td></td>
</tr>
<tr>
<td>Styles in a USB flash drive cannot be selected.</td>
<td>If the size of the Style data is large (about 120 KB or greater), the Style cannot be</td>
</tr>
<tr>
<td>selected.</td>
<td>selected because the data is too large to be read by the instrument.</td>
</tr>
<tr>
<td>Style playback seems to “skip” when the keyboard is played.</td>
<td>You are probably exceeding the maximum polyphony of the instrument. The instrument</td>
</tr>
<tr>
<td></td>
<td>can play up to 256 notes at the same time—including RIGHT 1/RIGHT 2/RIGHT 3/LEFT</td>
</tr>
<tr>
<td></td>
<td>Voices, Style, Song, and Multi Pad notes. When the maximum polyphony is exceeded, the</td>
</tr>
<tr>
<td></td>
<td>least important notes (such as soft notes and notes currently decaying) will stop</td>
</tr>
<tr>
<td></td>
<td>sounding first.</td>
</tr>
<tr>
<td>Style does not change even when a different chord is played, or the chord is</td>
<td>Make sure to play notes on the left-hand section of the keyboard.</td>
</tr>
<tr>
<td>not recognized.</td>
<td></td>
</tr>
<tr>
<td><strong>Voice</strong></td>
<td></td>
</tr>
<tr>
<td>The Voice selected from the Voice Selection display does not sound.</td>
<td>Check whether the selected part is turned on or not (page 48).</td>
</tr>
<tr>
<td>A strange “flanging” or “doubling” sound occurs. The sound is slightly different</td>
<td>The RIGHT 1 and RIGHT 2 parts are set to “ON,” and both parts are set to play the same</td>
</tr>
<tr>
<td>each time the keys are played.</td>
<td>Voice. Turn off the RIGHT 2 part or change the Voice of one of the parts.</td>
</tr>
<tr>
<td>The sound is slightly different each time the keys are played.</td>
<td>If you are routing the MIDI OUT on the Genos to a sequencer and back to the MIDI IN,</td>
</tr>
<tr>
<td></td>
<td>you may need to set Local Control setting to “off” in the System page of the MIDI dis-</td>
</tr>
<tr>
<td></td>
<td>play (refer to the Reference Manual on the website).</td>
</tr>
<tr>
<td>Some Voices will jump an octave in pitch when played in the upper or lower</td>
<td>This is normal. Some voices have a pitch limit which, when reached, causes this type of</td>
</tr>
<tr>
<td>registers.</td>
<td>pitch shift.</td>
</tr>
<tr>
<td><strong>Song</strong></td>
<td></td>
</tr>
<tr>
<td>MIDI Songs cannot be selected.</td>
<td>If the size of the Song data is large (about 3 MB or greater), the Song cannot be selected</td>
</tr>
<tr>
<td></td>
<td>because the data is too large to be read by the instrument.</td>
</tr>
<tr>
<td></td>
<td>In the Dual Player mode, two MIDI Songs cannot be selected for SONG A and SONG B. Select</td>
</tr>
<tr>
<td></td>
<td>Audio Song for either side.</td>
</tr>
<tr>
<td></td>
<td>MIDI Songs cannot be played back during MIDI recording operation. Stop MIDI Recording</td>
</tr>
<tr>
<td></td>
<td>when you want to play back a MIDI Song.</td>
</tr>
<tr>
<td>Audio Songs cannot be selected.</td>
<td>The file format may not be compatible with the instrument. Compatible formats are: MP3</td>
</tr>
<tr>
<td></td>
<td>and WAV. DRM protected files cannot be played back.</td>
</tr>
<tr>
<td>The sound of a song is too low, or a song cannot be heard.</td>
<td>Check the position of the Cross Fader. If the Cross Fader is set to the right position,</td>
</tr>
<tr>
<td></td>
<td>you cannot hear the song of SONG A side. If this is the case, adjust the Cross Fader to</td>
</tr>
<tr>
<td></td>
<td>the center position.</td>
</tr>
<tr>
<td>Song playback does not start.</td>
<td>The Song has been stopped at the end of the Song data. Return to the beginning of the</td>
</tr>
<tr>
<td></td>
<td>Song by pressing the SONG [PREV] button.</td>
</tr>
<tr>
<td>The Song playback volume differs depending on the selected song.</td>
<td>The volume of MIDI Songs and Audio Songs are set independently. Adjust the volume in the</td>
</tr>
<tr>
<td></td>
<td>Mixer display (page 86) after selecting a Voice.</td>
</tr>
<tr>
<td>(MIDI) The measure number is different from that of</td>
<td>This happens when playing back music data for which a specific, fixed tempo is set.</td>
</tr>
<tr>
<td>the score in the Song Position display, shown by pressing and holding the</td>
<td></td>
</tr>
<tr>
<td>[PREV]/[NEXT] buttons.</td>
<td></td>
</tr>
<tr>
<td>(MIDI) When playing back a Song, some channels do not play.</td>
<td>Playback of these channels may be set to off. Turn playback on for those channels that</td>
</tr>
<tr>
<td></td>
<td>are set to off (page 88).</td>
</tr>
<tr>
<td>(MIDI) The tempo, beat, measure and music notation are not displayed correctly.</td>
<td>Some Song data for the instrument has been recorded with special “free tempo” settings.</td>
</tr>
<tr>
<td></td>
<td>For such Song data, the tempo, beat, measure and music notation will not be displayed</td>
</tr>
<tr>
<td></td>
<td>correctly.</td>
</tr>
<tr>
<td>(Audio) Recorded file is played back at a different volume compared to when</td>
<td>The audio playback volume has been changed. Setting the volume value to 90 plays back the</td>
</tr>
<tr>
<td>it was recorded.</td>
<td>file at the same volume as when it was recorded (page 86).</td>
</tr>
<tr>
<td>In the Audio Recording function, an error message appears and audio cannot be</td>
<td>The data on the User drive is fragmented and cannot be used as is. Since there is no</td>
</tr>
<tr>
<td>recorded to the internal User drive.</td>
<td>defragmentation function in the Audio Recording, the drive can only be defragmented by</td>
</tr>
<tr>
<td></td>
<td>formatting it. To do this, first back up the data by using the data backup function (page</td>
</tr>
<tr>
<td></td>
<td>105), then format the drive, and finally restore the backup data. Performing this backup/</td>
</tr>
<tr>
<td></td>
<td>restore operation effectively defragments the drive, allowing you to use it again.</td>
</tr>
</tbody>
</table>
### Mixer

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The sound seems strange or different than expected when changing a rhythm Voice (drum kit, etc.) of the Style or Song from the Mixer.</td>
<td>When changing the rhythm/percussion Voices (drum kits, etc.) of the Style and Song from the VOICE parameter, the detailed settings related to the drum voice are reset, and in some cases you may be unable to restore the original sound. You can restore the original sound by selecting the same Song or Style again.</td>
</tr>
</tbody>
</table>

### Microphone/Vocal Harmony

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The microphone input signal cannot be recorded.</td>
<td>The microphone input signal cannot be recorded by MIDI recording. Record by using Audio recording (page 91).</td>
</tr>
<tr>
<td>Harmony can be heard in addition to the microphone sound.</td>
<td>Vocal Harmony is set to on. Turn Vocal Harmony off (page 85).</td>
</tr>
</tbody>
</table>
| The Vocal Harmony effect sounds distorted or out-of-tune.             | Your vocal microphone may be picking up extraneous sounds, such as the Style sound from the instrument. In particular, bass sounds can cause mistracking of the Vocal Harmony. To remedy this:  
  • Sing as closely to the microphone as possible.  
  • Use a directional microphone.  
  • Turn down the Master volume, Style volume, or Song volume control (pages 23, 86).  
  • Separate the microphone from the external speakers as far as possible. |
| The Vocal Harmony effect is not applied even when it is turned on.    | In the Chordal mode, Vocal Harmony is added only when chords are detected. Try one of the following:  
  • Turn on the [ACMP ON/OFF] button and play chords in the chord section during Style playback.  
  • Turn on the Left part and play chords in the left hand section.  
  • Play back a Song which contains chords.  
  • Set the “Stop ACMP” parameter to something other than “Disabled” via [MENU] \(\rightarrow\) [Style Setting] \(\rightarrow\) [Setting]. For details, refer to the Reference Manual on the website. |

### ASSIGNABLE FOOT PEDAL jacks

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The on/off setting of the footswitch connected to the ASSIGNABLE FOOT PEDAL jack is reversed.</td>
<td>Turn the instrument’s power off, then turn it on again making sure not to press the footswitch.</td>
</tr>
</tbody>
</table>

### AUX IN jacks

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sound input to the AUX IN jacks is interrupted.</td>
<td>The output volume of the external device connected to this instrument is too low. Increase the output volume of the external device. The volume level reproduced via this instrument can be adjusted by using the [MASTER VOLUME] dial.</td>
</tr>
</tbody>
</table>
### Specifications

**Product Name**: Digital Keyboard

**Dimensions (W x D x H)**: 1234 mm x 456 mm x 138 mm (48-9/16” x 17-15/16” x 5-7/16”)

**Weight**: 13.0kg (28 lbs., 11 oz.)

#### Control Interface

**Keyboard**
- Number of Keys: 76
- Type: Organ (FSX), Initial Touch/Aftertouch
- Touch Response: Normal, Easy1, Easy2, Soft1, Soft2, Hard1, Hard2

**Other Controllers**
- Joystick: Yes
- Knobs: 6 (Assignable)
- Sliders: 9 (Assignable), Cross Fader
- Articulation Switches: ART. 1, ART. 2, ART. 3

**Main Display**
- Type: TFT Color Wide VGA LCD
- Size: 800 x 480 dots
- Touch Screen: Yes
- Language: English, German, French, Spanish, Italian

**Sub Display**
- Type: OLED (LIVE CONTROL View)
- Size: 589 x 48 dots
- Language: English

**Panel Language**: English

#### Voices

**Tone Generation Technology**: AWM Stereo Sampling, AEM technology
- Polyphony: 256 (max.)
  (128 for Preset Voices + 128 for Expansion Voices)
- Preset Number of Voices: 1,652 Voices + 58 Drum/SFX Kits
- Featured Voices: 10 Revol Drums/SFX, 76 Ensemble, 390 Super Articulation!, 75 Super Articulation2!, 82 MegaVoice, 40 Sweet!, 81 Cool!, 160 Live!, 24 Organ Flutes!
- Compatibility: XG, GS, GM, GM2
  (for Song playback)
- Part: Right 1, Right 2, Right 3, Left

**Effects**

**Reverb**: 59 Preset + 30 User
**Chorus**: 107 Preset + 30 User
**DSP**: Variation: 358 Preset(with VCM) + 30 User
  Insertion 1–28: 358 Preset(with VCM) + 30 User
**Master Compressor**: 128 Parts
**Master EQ**: 5 Preset + 30 User
**Part EQ**: 28 Parts
**Vocal Harmony**: 54 Preset + 60 User (*)
  * The User number represents the total of Vocal Harmony and Synth Vocoder.
**Synth Vocoder**: 20 Preset + 60 User (*)
  * The User number represents the total of Vocal Harmony and Synth Vocoder.
**Others**: Mic Effect: Noise Gate, Compressor, 3 Band EQ
  Vocal Effect: 23

#### Styles

**Preset Number of Styles**: 550
**Featured Styles**: 491 Pro, 39 Session, 10 Free Play, 10 DJ
**Fingering**: Single Finger, Fingered, Fingered On Bass, Multi Finger, Al Fingered, Full Keyboard, Al Full Keyboard
**Style Control**: INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3
**Other Features**: One Touch Setting (OTS)
  4 for each Style
**Chord Looper**: Yes
**Style Section Reset**: Yes
**Compatibility**: Style File Format (SFF), Style File Format GE (SFF GE)

#### Expandability

**Expansion Voice**: Yes (approx. 3 GB)
**Expansion Style**: Yes (Internal Memory)
**Expansion Audio Style**: Yes (Internal Memory)

#### Songs (MIDI)

**Preset Number of Preset Songs**: 9 Demo Songs, 11 Preset Songs
**Recording Number of Tracks**: 16
**Data Capacity**: approx. 3 MB per Song
**Function**: Quick Recording, Multi Track Recording, Step Recording
**Format**: SMF (Format 0, Format 1), XF
**Recording**: SMF (Format 0)

#### Songs (Audio)

**Recording Data Capacity**: approx. 0.8 GB (80 minutes) per Song
**Format**: WAV (44.1kHz, 16bit, stereo), MP3 (44.1kHz, 64-192/128/256/320kbps, stereo)
**Recording**: WAV (44.1kHz, 16bit, stereo)
**Playback (Multi)**: .aud (Genos original: 44.1 kHz sample rate, 16 bit resolution, stereo)
**Recording (Multi)**: .aud (Genos original: 44.1 kHz sample rate, 16 bit resolution, stereo)

**Time Stretch**: Yes
**Pitch Shift**: Yes
**Vocal Cancel**: Yes
<table>
<thead>
<tr>
<th>Multi Pads</th>
<th>Number of Multi Pad Banks</th>
<th>448 Banks x 4 Pads</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Audio Link</strong></td>
<td><strong>Yes</strong></td>
</tr>
<tr>
<td>Functions</td>
<td><strong>Voices</strong></td>
<td>Harmony</td>
</tr>
<tr>
<td></td>
<td><strong>Arpeggio</strong></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td><strong>Panel Sustain</strong></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td><strong>Mono/Mono</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>Styles</td>
<td><strong>Style Creator</strong></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td><strong>OTS Information</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>Songs</td>
<td><strong>Score Display Function</strong></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td><strong>Lyrics Display Function</strong></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td><strong>Lesson/Guide</strong></td>
<td>Follow Lights, Any Key, Karao-Key, Your Tempo</td>
</tr>
<tr>
<td>Multi Pads</td>
<td><strong>Multi Pad Creator</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>Registration Memory</td>
<td><strong>Number of Buttons</strong></td>
<td>10</td>
</tr>
<tr>
<td></td>
<td><strong>Control</strong></td>
<td>Registration Sequence, Freeze</td>
</tr>
<tr>
<td>Playlist</td>
<td><strong>Number of Records</strong></td>
<td>2,500 (max.) Records per Playlist file</td>
</tr>
<tr>
<td>Search</td>
<td><strong>Yes</strong></td>
<td></td>
</tr>
<tr>
<td>Demo</td>
<td><strong>Yes</strong></td>
<td></td>
</tr>
<tr>
<td>Overall Controls</td>
<td><strong>Metronome</strong></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td><strong>Tempo Range</strong></td>
<td>5 – 500, Tap Tempo</td>
</tr>
<tr>
<td></td>
<td><strong>Transpose</strong></td>
<td>-12 – 0 – +12</td>
</tr>
<tr>
<td></td>
<td><strong>Tuning</strong></td>
<td>414.8 – 440.0 – 466.8 Hz (approx. 0.2Hz increments)</td>
</tr>
<tr>
<td></td>
<td><strong>Octave Button</strong></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td><strong>Scale Type</strong></td>
<td>9 Types</td>
</tr>
<tr>
<td></td>
<td><strong>Sub Scale Setting</strong></td>
<td></td>
</tr>
<tr>
<td>Miscellaneous</td>
<td><strong>Direct Access</strong></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td><strong>Text/Image Display Function</strong></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td><strong>Wallpaper Customization</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>Others</td>
<td><strong>Display output to an external monitor</strong></td>
<td>Yes (by using a commercially available USB display adaptor)</td>
</tr>
</tbody>
</table>

* For a list of compatible devices, access the “Yamaha Downloads” website. * Genos generates a 800 x 600 size image for external display. The size of Genos main display is 800 x 480, so there will always be blank areas at the top and bottom of the image.

<table>
<thead>
<tr>
<th>Storage and Connectivity</th>
<th>Storage Internal Memory (User Drive)</th>
<th>Yes (approx. 58 GB)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>External Drives</td>
<td>USB flash drive</td>
</tr>
<tr>
<td>Connectivity</td>
<td>Headphones</td>
<td>Standard stereo phone jack (PHONES)</td>
</tr>
<tr>
<td></td>
<td>Microphone</td>
<td>Yes (Combo Jack), Phantom Power (+48V) available</td>
</tr>
<tr>
<td></td>
<td>MIDI</td>
<td>MIDI A (IN/OUT), MIDI B (IN/OUT)</td>
</tr>
<tr>
<td></td>
<td>AUX IN</td>
<td>L/L+R, R</td>
</tr>
<tr>
<td></td>
<td>DIGITAL OUT (Audio)</td>
<td>Yes (coaxial)</td>
</tr>
<tr>
<td></td>
<td>FOOT PEDAL</td>
<td>1 (SUSTAIN), 2 (ART.1), 3 (VOLUME), Function Assignable</td>
</tr>
<tr>
<td></td>
<td>USB TO DEVICE</td>
<td>Yes (x 3)</td>
</tr>
<tr>
<td></td>
<td>USB TO HOST</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Wireless LAN</td>
<td>Yes (*)</td>
</tr>
<tr>
<td></td>
<td><strong>Wireless LAN</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Standards:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>IEEE802.11b/g/n (IEEE802.11n 5GHz: not compatible)</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Range of transmit frequency (channels):</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Models for United States and Canada: 2400–2472 MHz (Channels 1–11)</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Others: 2400–2483.5 MHz (Channels 1–13)</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Maximum RF output power: 14 dBm</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Security:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>WEP, WPA-PSK(AES), WPA/WPA2 mixed PSK</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>May not be included, depending on your area. Check with your Yamaha dealer.</strong></td>
<td></td>
</tr>
</tbody>
</table>

| Power Supply | **Auto Power Off** | Yes |}

| Included Accessories | **Owner’s Manual** |
|                      | Online Member Product Registration |
|                      | AC Power Cord |
|                      | Music Rest, two Music Rest Brackets |

| Separately Sold Accessories | **Option Speaker:** GNS-MS01 |
|                            | **Headphones:** HPH-50, HPH-100, HPH-150 |
|                            | **Footswitch:** FC4A, FC5 |
|                            | **Foot Controller:** FC7 |
|                            | **Wireless MIDI Adaptor:** UD-BT01, MD-BT01 |
|                            | **Keyboard Stand:** L-7B |

* The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website then download the manual file. Since specifications, equipment or separately sold accessories may not be the same in every locale, please check with your Yamaha dealer.
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Version 2, June 1991

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libuuid


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libss2 / libcomerr2

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