



YAMAHA

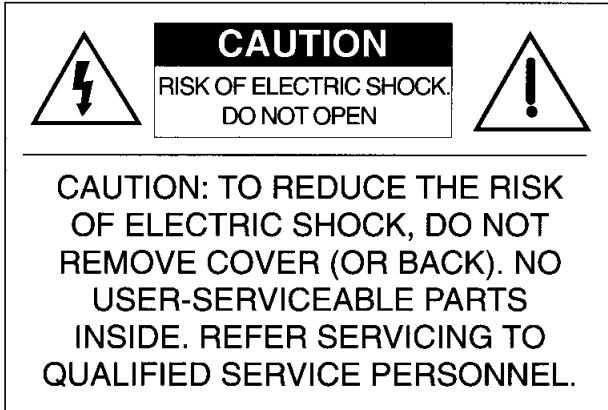
Clavinova

CLP-705

Owner's Manual
Bedienungsanleitung
Mode d'emploi

SPECIAL MESSAGE SECTION

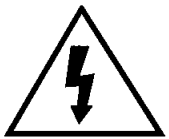
PRODUCT SAFETY MARKINGS: Yamaha electronic products may have either labels similar to the graphics shown below or molded/stamped facsimiles of these graphics on the enclosure. The explanation of these graphics appears on this page. Please observe all cautions indicated on this page and those indicated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



See bottom of keyboard enclosure for graphic symbol markings.



The exclamation point with 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.



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:

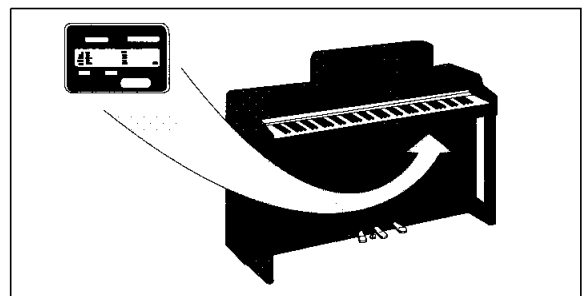
Battery Notice: This product **MAY** contain a small non-rechargeable battery which (if applicable) is soldered in place. The average life span of this type of battery is approximately five years. When replacement becomes necessary, contact a qualified service representative to perform the replacement.

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.



Model _____

Serial No. _____

Purchase Date _____

FCC INFORMATION (U.S.A.)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the 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. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. 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 guaran-

tee 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.

CANADA

THIS DIGITAL APPARATUS DOES NOT EXCEED THE "CLASS B" LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS SET OUT IN THE RADIO INTERFERENCE REGULATION OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.

This applies only to products distributed by Yamaha Canada Music Ltd.

LE PRESENT APPAREIL NUMERIQUE N'EMET PAS DE BRUITS RADIOELECTRIQUES DEPASSANT LES LIMITES APPLICABLES AUX APPAREILS NUMERIQUES DE LA "CLASSE B" PRESCRITES DANS LE REGLEMENT SUR LE BROUILLAGE RADIO ELECTRIQUE EDICTE PAR LE MINISTRE DES COMMUNICATIONS DU CANADA.

Ceci ne s'applique qu'aux produits distribués par Yamaha Canada Music Ltd.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Dette apparat overholder det gældende EF-Direktiv vedrørende radiostøj.

Cet appareil est conforme aux prescriptions de la directive communautaire 87/308/CEE.

Diese Geräte entsprechen der EG-Richtlinie 82/499/EWG und/oder 87/308/EWG.

This product complies with the radio frequency interference requirements of the Council Directive 82/499/EEC and /or 87/308/EEC.

Questo apparecchio è conforme al D.M.13 aprile 1989 (Direttiva CEE/87/308) sulla soppressione dei radiodisturbi.

Este producto está de acuerdo con los requisitos sobre interferencias de radio frecuencia fijados por el Consejo 87/308/CEE.

YAMAHA CORPORATION

Wichtiger Hinweis für die Benutzung in der Bundesrepublik Deutschland.

Bescheinigung des Importeurs

Hiermit wird bescheinigt, daß der/die/das

Electronic Piano Typ: CLP-705

(Gerät, Typ, Bezeichnung)

in Übereinstimmung mit den Bestimmungen der VERFÜGUNG 1046/84

(Amtsblattverfügung)

funk-entstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

Yamaha Europa GmbH

Name des Importeurs

• Dies bezieht sich nur auf die von der Yamaha Europa GmbH vertriebenen Produkte.

IMPORTANT

THE WIRES IN MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

Blue: NEUTRAL

Brown: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Making sure that neither core is connected to the earth terminal of the three pin plug.

IMPORTANT SAFETY INSTRUCTIONS

INFORMATION RELATING TO PERSONAL INJURY, ELECTRICAL SHOCK, AND FIRE HAZARD POSSIBILITIES HAS BEEN INCLUDED IN THIS LIST.

WARNING— When using any electrical or electronic product, basic precautions should always be followed. These precautions include, but are not limited to, the following:

- 1.** Read all Safety Instructions, Installation Instructions, Special Message Section items, and any Assembly Instructions found in this manual **BEFORE** making any connections, including connection to the main supply.
- 2.** Main Power Supply Verification: Yamaha products are manufactured specifically for the supply voltage in the area where they are to be sold. If you should move, or if any doubt exists about the supply voltage in your area, please contact your dealer for supply voltage verification and (if applicable) instructions. The required supply voltage is printed on the name plate. For name plate location, please refer to the graphic found in the Special Message Section of this manual.
- 3.** This product may be equipped with a polarized plug (one blade wider than the other). If you are unable to insert the plug into the outlet, turn the plug over and try again. If the problem persists, contact an electrician to have the obsolete outlet replaced. Do **NOT** defeat the safety purpose of the plug.
- 4.** Some electronic products utilize external power supplies or adapters. **DO NOT** connect this type of product to any power supply or adapter other than one described in the owners manual, on the name plate, or specifically recommended by Yamaha.
- 5.** **WARNING:** do not place this product or any other objects on the power cord or place it in a position where anyone could walk on, trip over, or roll anything over power or connecting cords of any kind. The use of an extension cord is not recommended! If you must use an extension cord, the minimum wire size for a 25' cord (or less) is 18 AWG. **NOTE:** The smaller the AWG number, the larger the current handling capacity. For longer extension cords, consult a local electrician.
- 6.** Ventilation: Electronic products, unless specifically designed for enclosed installations, should be placed in locations that do not interfere with proper ventilation. If instructions for enclosed installations are not provided, it must be assumed that unobstructed ventilation is required.
- 7.** Temperature considerations: Electronic products should be installed in locations that do not significantly contribute to their operating temperature. Placement of this product close to heat sources such as; radiators, heat registers and other devices that produce heat should be avoided.
- 8.** This product was **NOT** designed for use in wet/damp locations and should not be used near water or exposed to rain. Examples of wet/damp locations are; near a swimming pool, spa, tub, sink, or wet basement.
- 9.** This product should be used only with the components supplied or; a cart, rack, or stand that is recommended by the manufacturer. If a cart, rack, or stand is used, please observe all safety markings and instructions that accompany the accessory product.
- 10.** The power supply cord (plug) should be disconnected from the outlet when electronic products are to be left unused for extended periods of time. Cords should also be disconnected when there is a high probability of lightning and/or electrical storm activity.
- 11.** Care should be taken that objects do not fall and liquids are not spilled into the enclosure through any openings that may exist.
- 12.** Electrical/electronic products should be serviced by a qualified service person when:
 - a. The power supply cord has been damaged; or
 - b. Objects have fallen, been inserted, or liquids have been spilled into the enclosure through openings; or
 - c. The product has been exposed to rain; or
 - d. The product does not operate, exhibits a marked change in performance; or
 - e. The product has been dropped, or the enclosure of the product has been damaged.
- 13.** Do not attempt to service this product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.
- 14.** This product, either alone or in combination with an amplifier and headphones or speaker/s, may be capable of producing sound levels that could cause permanent hearing loss. **DO NOT** operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist. **IMPORTANT:** The louder the sound, the shorter the time period before damage occurs.
- 15.** Some Yamaha products may have benches and/or accessory mounting fixtures that are either supplied as a part of the product or as optional accessories. Some of these items are designed to be dealer assembled or installed. Please make sure that benches are stable and any optional fixtures (where applicable) are well secured, **BEFORE** using. Benches supplied by Yamaha are designed for seating only. No other uses are recommended.

PLEASE KEEP THIS MANUAL

Main Features

The Clavinova CLP-705 is a fine musical instrument designed to give you the highest sound quality possible while simulating the classic touch and feel of a piano.

High Fidelity Sound..... page 6

The CLP-705 comes with 53 realistic AWM (Advanced Wave Memory) instrument voices and 44 percussion voices that make playing the Clavinova CLP-705 a pleasure.

Guide Lamps—Ideal for practicing..... page 20

For the would-be musician, the Clavinova CLP-705 has a unique "Guide Lamp" function that allows you to practice a whole song or parts of a song until you can play them by yourself.

Disk Orchestra Collection Compatible..... page 17

The Clavinova CLP-705 can be used to play back the Yamaha Disk Orchestra Collection titles. This makes the CLP-705 ideal for practicing world famous tunes, as it allows you to cancel playback of a specific part or parts. You can then practice playing the cancelled parts on the keyboard yourself while accompanied by the rest of the orchestra.

Recording and Playback functions..... page 23

The CLP-705 features a 10-track sequencer that allows you to record and play back your original music creations.

Internal 3.5" floppy disk drive..... pages 16, 17, and 23

The floppy disk drive makes it possible to save, copy, and transfer your performances for future use. It also allows you to use Disk Orchestra Collection titles or performances from other musicians.

MIDI Compatible..... page 36

The CLP-705 is MIDI compatible and allows you to connect the CLP-705 to other MIDI devices and instruments.

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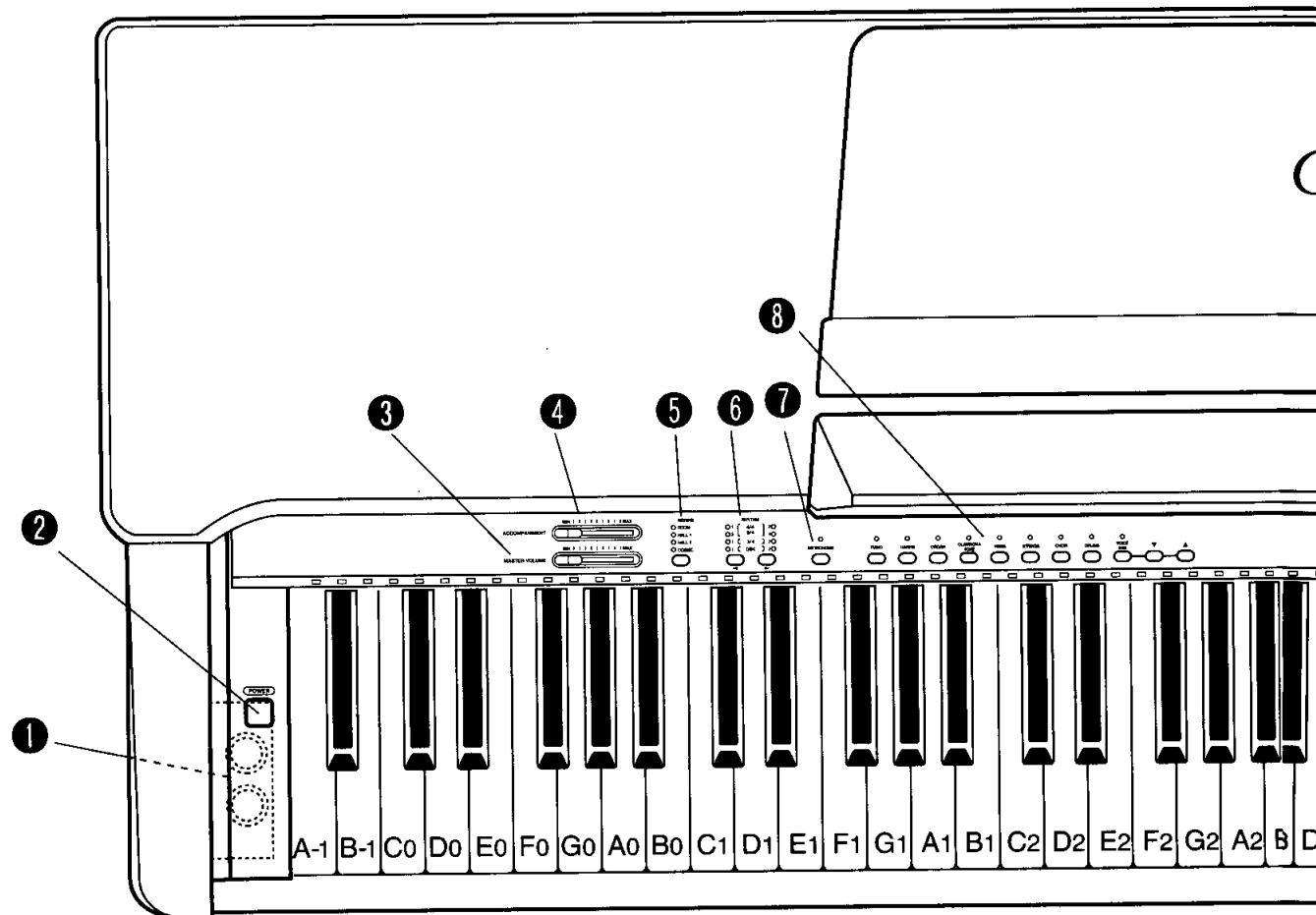
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Regarding this Manual

Just as we have taken many hours in perfecting the Clavinova, we would like to ask you to take some time and read this manual thoroughly. This manual describes the functions and features of your new Clavinova and it contains important warnings, installation instructions, and safety information. There is also an index at the back of this language section. Use this together with the table of contents to find information quickly. Please be sure to keep this manual in a safe place for future reference.

The CLP-705 at a glance

Control Panel



- 1 HEADPHONES jacks (See page 5)
- 2 POWER button (See page 4)
- 3 MASTER VOLUME (See page 5)
- 4 ACCOMPANIMENT volume (See page 13)
- 5 REVERB button (See page 9)
- 6 RHYTHM buttons (See page 13)
- 7 METRONOME button (See page 13)
- 8 Voice selection buttons (See page 6)
- 9 LED display
- 10 TEMPO buttons (See page 13)
- 11 START/STOP button (See page 15)
- 12 SONG NUMBER buttons (See page 17)
- 13 SONG SELECT button (See page 17)
- 14 LAMP CANCEL button (See page 19)
- 15 PHRASE REPEAT button (See page 21)
- 16 GUIDE button (See page 20)
- 17 Disk Orchestra Collection controls (See page 17)
- 18 Floppy disk drive (See page 23)
- 19 COPY button (See page 31)
- 20 FORMAT button (See page 24)
- 21 MIDI/TRANPOSE button
- 22 Music stand (See page 4)

Supplied Accessories

Disk Orchestra Collection disk

Rhythm Disk

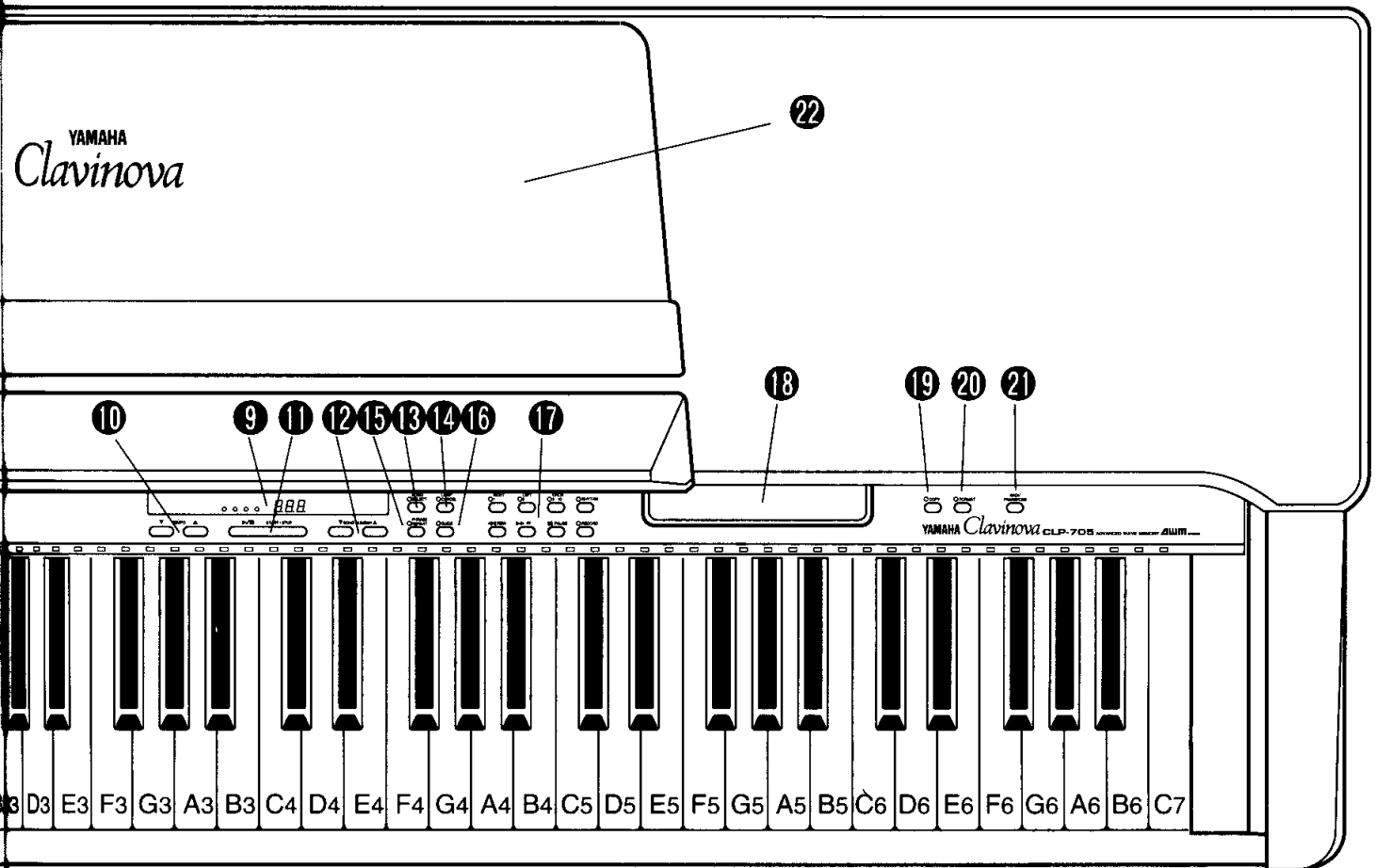
In addition to the CLP-705's six internal rhythms, the Rhythm Disk contains 40 different rhythms for you to choose from.

Blank floppy disk (3.5 inch 2DD)

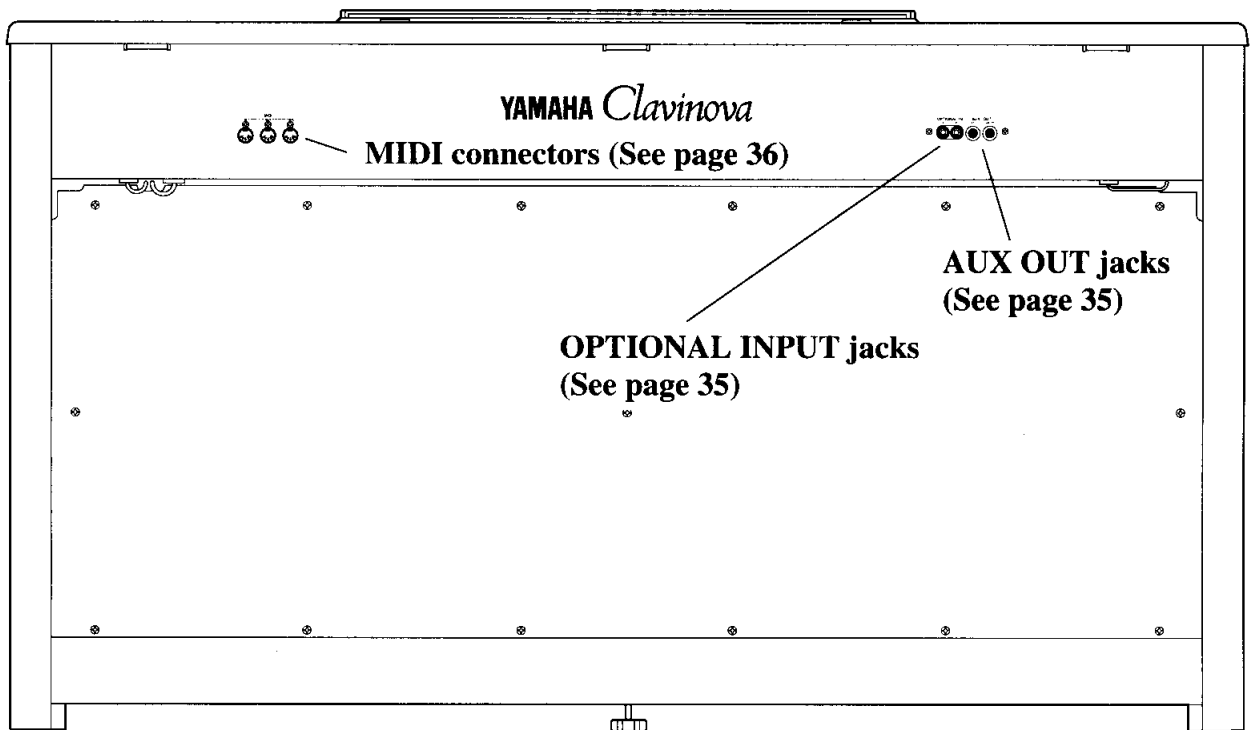
A blank disk has been included to record your performances.

Voice List sticker

The voice list sticker contains the names of the 53 Clavinova voices. Attach the voice list label to the right of the CLP-705 voice buttons.



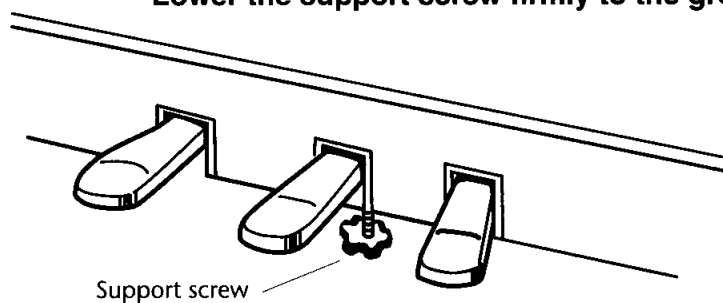
Rear panel



Setting up

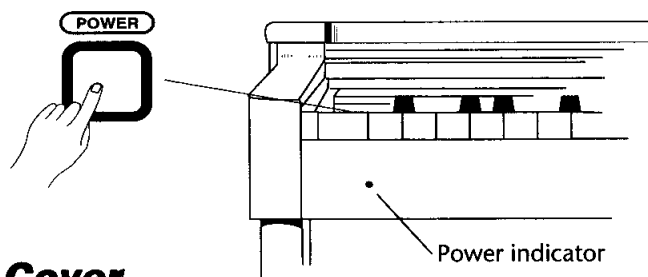
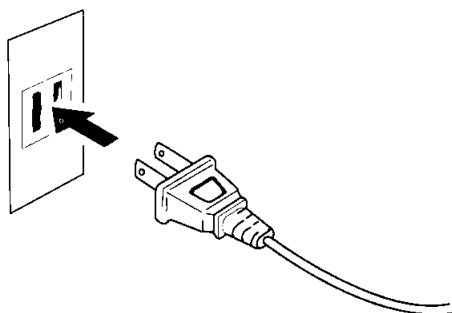
Adjusting the Support Screw

Lower the support screw firmly to the ground by turning it.

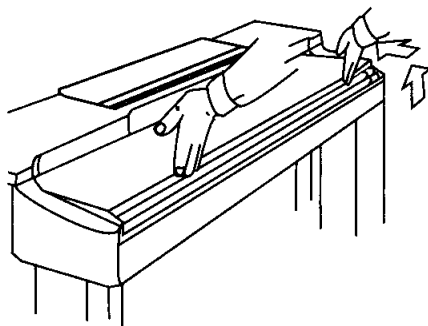


Plugging in the Clavinova

1. Plug the power cord into an appropriate electrical outlet.
2. Press the POWER switch to turn on the Clavinova. (To turn the Clavinova off, press it once again).



Opening and Closing the Key Cover



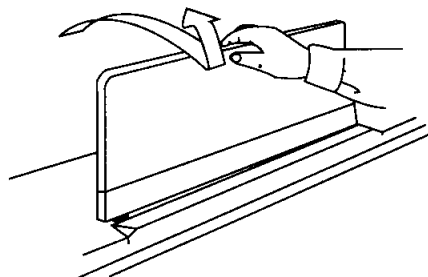
▼ To open the key cover:

1. Lift the key cover slightly (Do not lift excessively).
2. Slide the key cover up along the guide rail to open it.

▼ To close the key cover:

1. Slide the key cover down along the guide rail.
2. Supporting the key cover with both hands, lower it down gently until it is completely closed.

Music Stand



▼ To raise the stand:

1. Lift the stand up towards you gently until it stops.
2. Gently push the stand backwards until the hinges lock in place.

▼ To lower the stand:

1. Gently pull the stand towards you until it stops.
2. Supporting the stand with one hand, slowly lower it until it lies flat.

Warnings:

- ❑ Always support the music stand with one hand while lowering it.
- ❑ Do not use or leave the music stand in an intermediate position.

Connecting Headphones

Up to two standard stereo headphones can be plugged in for private practice or late night playing.

▼ To connect headphones:

Connect the headphones' standard stereo phone plug into one of the HEADPHONES jacks underneath the keyboard.

- The internal speaker system is automatically shut off when headphones are plugged into either or both of the HEADPHONES jacks.

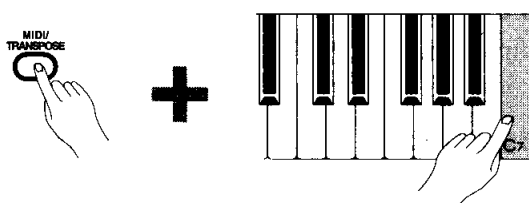
Playing Back a Demonstration Song

The CLP-705 comes with two internal demonstration songs that you can select and play back.

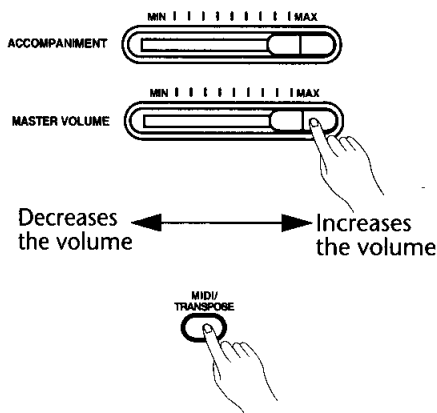
- Song 1 "It's a Small World" by the Sherman Brothers
- Song 2 "Lake Louise" by Yuuki Kuramoto

▼ To play back the demonstration songs:

1. Hold down the MIDI/TRANPOSE button and press the key furthest to the right on the keyboard: once to play back Song 1 or twice to play back Song 2.



2. Adjust the overall volume by sliding the MASTER VOLUME control.



The demonstration automatically stops when the end of the song is reached. If you want to stop playback, press the MIDI/TRANPOSE button.

- To play back both demonstration songs repeatedly, press the key furthest to the right three times while holding down the MIDI/TRANPOSE button. When the end of the second song is reached, the first song will start again. To stop playback, press the MIDI/TRANPOSE button again.
- Pressing the START/STOP button also stops the playback.

Playing the CLP-705

Selecting and Playing Instrument Voices

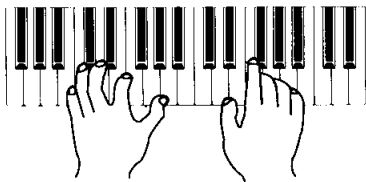
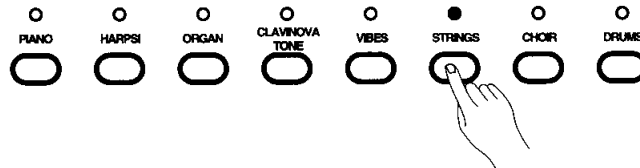
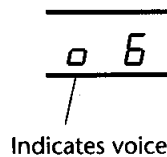
The Clavinova CLP-705 contains a total of 53 high-fidelity instrument voices. Eight of these voices are available on the panel, and the other 45 can be selected through the LED display.

▼ To select and play a panel voice (voice numbers 1 through 8):

1. Press the button of the voice you want to use.

The corresponding indicator will light.

The voice number will appear on the LED display.



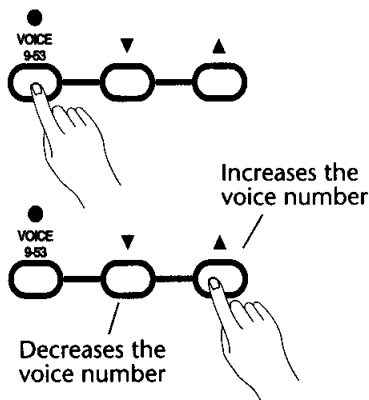
2. Play on the keyboard to hear the selected voice.

When the Clavinova is turned on, the "PIANO" voice is automatically selected.

▼ To select and play an LED voice (voice numbers 9 through 53):

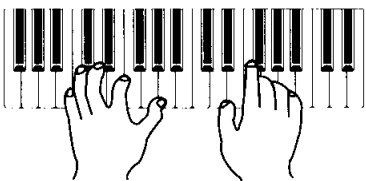
1. Press the VOICE 9-53 button.

The corresponding indicator will light.



2. Use the adjacent up or down buttons to choose the desired voice number.

The voice number will appear on the LED display.



3. Play on the keyboard to hear the selected voice.

- ❑ A voice selected with the VOICE 9-53 button can be recalled by that button until you turn the power off.
- ❑ When the power is turned on, PIANO BRIGHT (voice number 9) is automatically selected as the default voice for the VOICE 9-53 button.
- ❑ TIMPANI (voice number 37) cannot be produced from the G2 key upwards.
- ❑ It is always a good idea to refer to the section: "Voice List and the Recommended Range for Each Voice" on page 123.

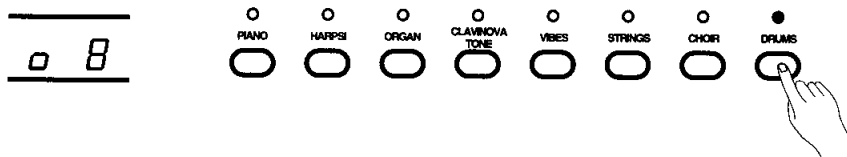
Selecting and Playing Keyboard Percussion Voices

When you select the DRUMS voice, the keyboard can be used to play the sounds of 44 different drum and percussion instruments.

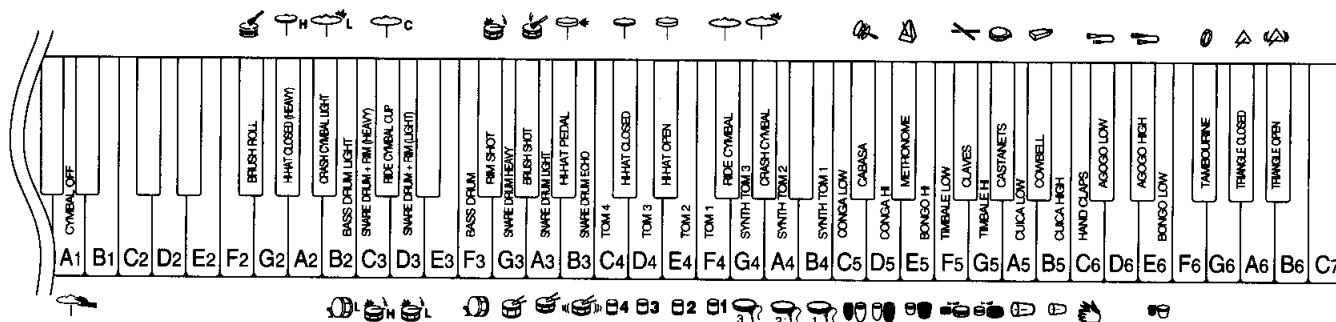
▼ To select and play a percussion voice:

1. Press the DRUMS button.

The corresponding indicator will light and voice number 8 will appear on the LED display.



2. Play a percussion instrument from the list below or by referring to the percussion symbols below the keys and playing the corresponding key.



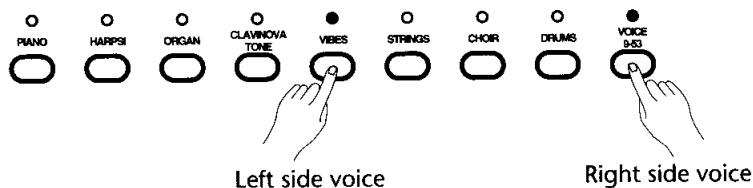
- ❑ The cymbal sound can be cut off by pressing the A1: CYMBAL OFF key. There are four different cymbal sounds: CRASH CYMBAL (Light), RIDE CYMBAL (Cup), RIDE CYMBAL, and CRASH CYMBAL.
- ❑ The BRUSH ROLL sound can also be cut off by pressing the BRUSH SHOT key.
- ❑ The following four percussion keys do not produce any sound when pressed. However, they can be recorded and the sound is produced during playback. Their sounds can also be reproduced through another MIDI device. The keys are: A4: CRASH CYMBAL, F6: CUICA LOW, G6: CRASH CYMBAL, A6: BRUSH ROLL.

Dual Voice

The Clavinova's Dual Voice feature makes it possible to select and play two voices at the same time. The balance of the two voices can also be changed.

▼ To set the Dual Voice:

1. Press the two voice buttons you want to combine, simultaneously.



The two corresponding indicators will light.

Of the two keys selected, the right side voice number will appear on the LED display.

The following are recommended voice combinations:

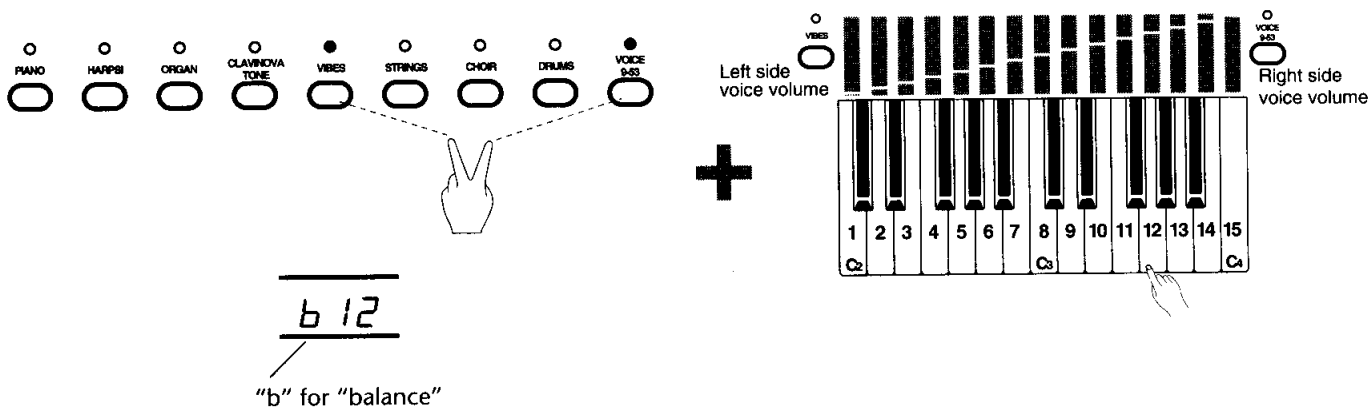
- 1: PIANO and 2: HARPSI
- 2: HARPSI and 3: ORGAN
- 3: ORGAN and 7: CHOIR
- 5: VIBES and 50: FLUTE
- 11: E. PIANO and 6: STRINGS

Try these combinations and create your own as well.

- ❑ To quit the Dual Voice function, simply press the button of the new voice you want to use.
- ❑ The Dual Voice function does not work with the DRUMS voice (Voice number 8).
- ❑ You cannot combine two voices from numbers 9-53.

2. Hold down the two voice buttons simultaneously and press a white key between C2 and C4. The volume balance can be set as shown below according to the key you have pressed.

A volume balance value of 1 to 15 will appear on the LED display during the operation.



- ❑ When the CLP-705 is initially turned on, both voices are set to the same volume (displayed as "8").
- ❑ The volume balance of the two voices can also be adjusted by using the TEMPO ▼ and ▲ buttons. Hold down the two voice buttons simultaneously and press the TEMPO ▼ or ▲ button.
 - When you press the two voice buttons and the TEMPO ▼ button, the volume of the right side voice will decrease and the volume of the left side voice will increase.
 - Conversely, when you press the two voice buttons and the TEMPO ▲ button, the volume of the right side voice will increase and the volume of the left side voice will decrease.
 - When you hold down the two voice buttons and both the TEMPO ▼ and ▲ buttons together, the volume of the two voices will become balanced again.

Applying Reverb Effects

The CLP-705 is equipped with four high quality reverb effects. With these you can simulate the reverb effects of a variety of locations, from small rooms to large concert halls.

The reverb effect can be applied not only to the voices played on the keyboard, but also to the Rhythm (see page 13) and the "Disk Orchestra Collection" playback (see page 17).

▼ To apply a reverb effect:

1. Press the REVERB button to select a reverb type.

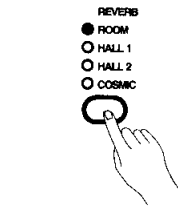
The REVERB indicator will light.

Each time you press the REVERB button, the indicator will change to indicate which type of REVERB has been selected:

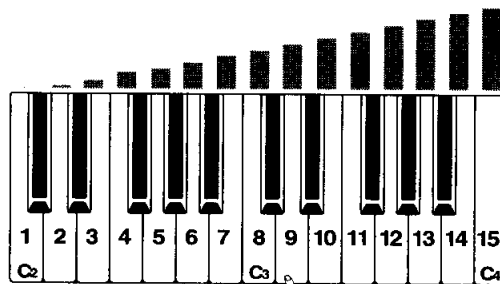
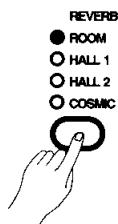
- OFF..... No effect is produced
- ROOM..... Reverb characteristics of a room
- HALL 1..... Reverb characteristics of a small-sized concert hall
- HALL 2..... Reverb characteristics of a large-sized concert hall
- COSMIC..... This adds an echo-like effect to the sound

2. To set the reverb depth, hold down the REVERB button and press a white key between C2 and C4.

The reverb depth can be set to a value between 1 and 15, depending on the key pressed (see illustration). The reverb depth value will appear on the LED display.



"r" for "reverb"



Minimum reverb depth

Default reverb depth

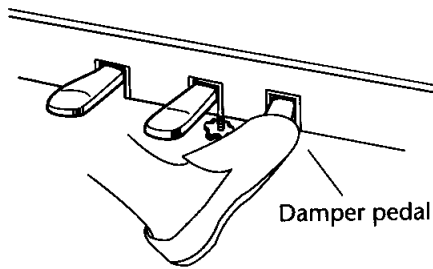
Maximum reverb depth

- ❑ Any type of reverb can be applied to any voice. However, the intensity of the percussion and bass voices is comparably less than that of the instrument voices.
- ❑ The reverb effect cannot be applied to a voice which is input from the OPTIONAL INPUT jacks.
- ❑ When the power is initially turned on, the reverb is automatically set to ROOM, and the depth is set to "8" (standard).
- ❑ The reverb depth can also be set by using the TEMPO ▼ and ▲ buttons. Hold down the REVERB button and press the TEMPO ▼ or ▲ button.
 - When the REVERB button and the TEMPO ▼ button are pressed, the depth decreases.
 - When the REVERB button and the TEMPO ▲ button are pressed, the depth increases.
 - When the REVERB button and the TEMPO ▼ and ▲ buttons are pressed simultaneously, the reverb depth returns to "8" (standard). Thus the reverb depth can be set at any value from 0 to 15 using the TEMPO ▼ or ▲ buttons, or at values from 1 to 15 using the white keys (C2 to C4).

Using the Pedals

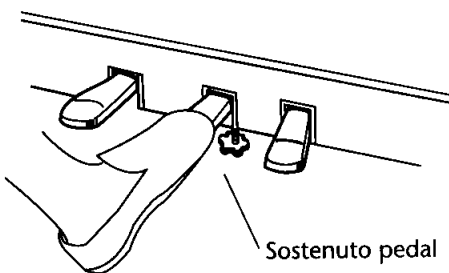
Like an acoustic piano the CLP-705 comes equipped with three foot pedals: the damper, the sostenuto, and the soft pedal.

About the Damper Pedal:



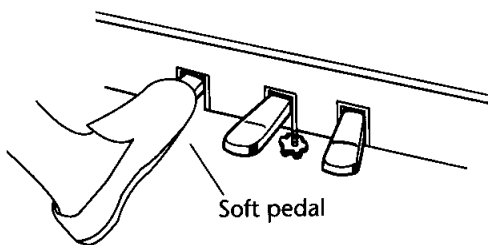
The damper pedal is usually used when playing an acoustic piano. Notes played while pressing the damper pedal are sustained even after you have lifted your fingers from the keys.

About the Sostenuto Pedal:



The sostenuto pedal is quite different and will only sustain those notes that were played while the sostenuto pedal was pressed. Any notes played after the pedal was pressed are not sustained.

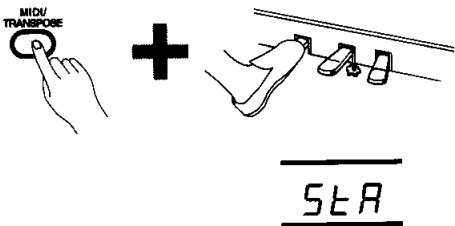
About the Soft Pedal:



Pressing the soft pedal reduces the volume slightly and changes the timbre of the notes, so that they are played softer.

- ❑ The soft pedal can also be used as a START/STOP pedal for rhythm. When used in this way, the soft pedal function does not apply.
- ❑ Although the soft pedal function can be applied to the percussion voices, the damper and sostenuto pedal functions cannot.

Soft Pedal Start/Stop



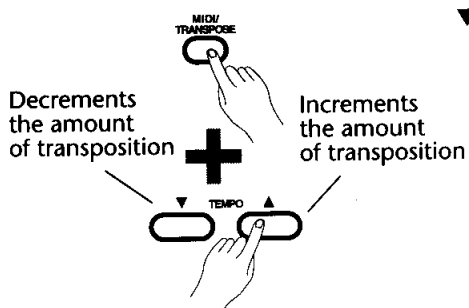
To change the soft pedal to the START/STOP function, hold down the MIDI/TRANSPOSE button and press the soft pedal. If you press the soft pedal again, it will return to the soft pedal function. When the START/STOP function is active, the LED display reads "S t A", and when the soft pedal is operating it reads "S o F".

- ❑ When the power is initially turned on, the soft pedal is set to the soft pedal function.

Transpose

The CLP-705's TRANSPOSE function makes it possible to shift the pitch of the entire keyboard so that you can match the pitch of the keyboard to the range of a singer without having to change the keys you play.

You can shift the entire keyboard up or down in semitone intervals up to a maximum of six semitones.



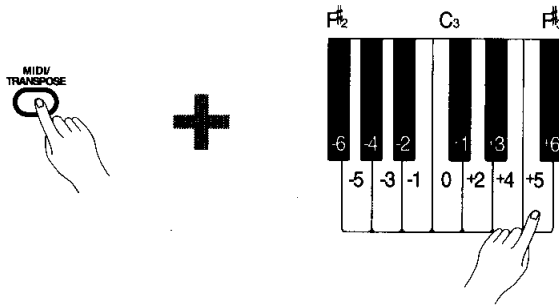
▼ To select the amount of transposition:

Hold down the MIDI/TRANSPOSE button and press the TEMPO ▼ or ▲ button.

When the TEMPO ▲ button is pressed, the pitch increases, and when the TEMPO ▼ button is pressed, it decreases.

The LED display shows the amount of transposition (from -6 to 6) while the MIDI/TRANPOSE button is being held down.

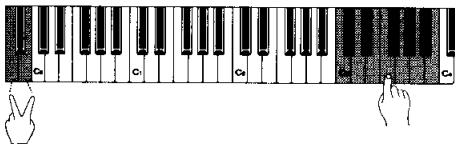
- When the power is initially turned on, the pitch is set to normal (the amount of transposition is 0).
- Pressing the TEMPO ▼ and ▲ buttons simultaneously while holding down the MIDI/TRANPOSE button will reset the pitch to normal (the amount of transposition will be 0).
- You can also use the F#2 to F#3 keys to transpose the keyboard. To do this, hold down the MIDI/TRANPOSE button and press the key that corresponds to the amount of transposition desired.



Matching the Pitch with Other Instruments (Pitch Control)

The CLP-705's pitch control function allows fine tuning of overall pitch. Pitch control is useful for tuning the Clavinova to match other instruments exactly. The pitch can be adjusted over a ± 50 cent range at intervals of approximately 1.2 cents (100 cents equal one semitone).

▼ To tune up:

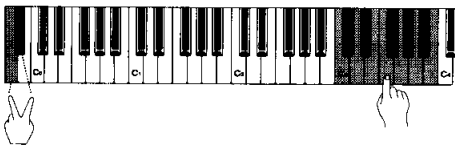


Hold down the two lowest white keys simultaneously and press any key between C3 and B3.

Each time you press a key in this range the pitch will increase slightly. The LED display shows the frequency (in Hertz) of the sound.

Change the pitch gradually, comparing the sound to that of the other instruments until they match exactly.

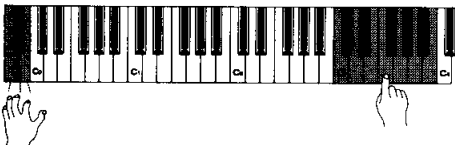
▼ To tune down:



Hold down the lowest white and lowest black key simultaneously and press any key between C3 and B3.

Each time you press a key in this range the pitch will decrease slightly. The LED display shows the frequency (in Hertz) of the sound.

▼ To restore the standard pitch:



Hold down the two lowest white keys and the lowest black key simultaneously and press any key between C3 and B3.

The standard pitch A3 = 440 Hz will return.

- The dots to the right of each figure on the LED display are used to provide a general idea of fractional pitches. For example:
 - 440 (no decimal point): 0.00 to 0.24 Hz
 - 4.40: 0.25 to 0.49 Hz
 - 44.0: 0.50 to 0.74 Hz
 - 440.: 0.75 to 0.99 Hz
- When the power is initially turned on, the frequency is set to the standard (A3 = 440 Hz).

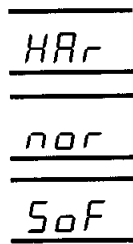
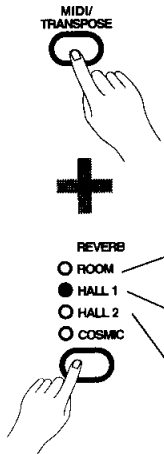
Changing Touch Sensitivity

The CLP-705 features a touch sensitive keyboard. That means that it responds to how hard you play the keyboard. Three different settings are available: Hard, Soft, and Normal.

▼ To change keyboard touch sensitivity:

Hold down the MIDI/TRANPOSE button and press the REVERB button to choose one of the three types of touch sensitivity.

The LED display will show one of the three types of touch sensitivity: HAR: Hard, nor: Normal, and SoF: Soft.



- **Hard** produces a dynamic sound response ranging from pianissimo to fortissimo. This setting is the most sensitive and provides the widest response range.
- **Normal** produces a fairly "standard" keyboard response.
- **Soft** produces a relatively soft response. This setting is the least sensitive and provides the smallest response range.

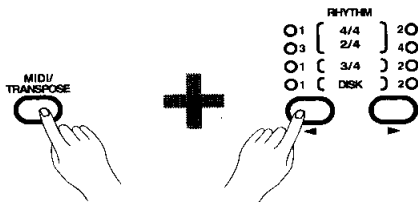
- ❑ Some keyboard voices naturally have a fairly small response range. Therefore altering the setting will not produce a remarkable difference.
- ❑ When the power is initially turned on, the touch sensitivity is set to NORMAL.

Changing the Position of the Sound Image (Pan function)

This function allows you to position sounds anywhere between your right and left speakers. It works like the balance control normally found on stereo amplifiers, only in this case it can be used for individual tracks when making a multi track recording with the Performance Memory.

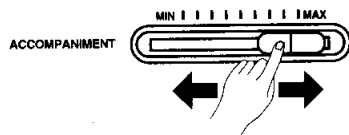
▼ To change the sound image position:

1. Hold down the MIDI/TRANPOSE button and press the RHYTHM ◀ or ▶ button.



2. While holding down the MIDI/TRANPOSE button, use the ACCOMPANIMENT volume control to set the pan position.

The pan position will appear on the LED display.



To the left	Center	Default position	To the right
PL3	P C	P d	Pr3
MIN	←————→		MAX

Voices without specific pan positions

- 3 ORGAN
- 5 VIBES
- 7 CHOIR
- 11 E. PIANO 1
- 12 E. PIANO 2
- 16 JAZZ ORGAN

The pan positions of these voices cannot be changed.

- ❑ By default, all voices other than PIANO, DRUMS (Percussion) and voices without specific pan positions as shown on the left, are set to Keyboard Scale Pan—The lower the sound, the more the pan position moves to the left, and the higher the sound, the more the pan position moves to the right.
- ❑ The PIANO voice is sampled in stereo, therefore, its natural position has already been set. For the DRUMS voice a specific position has been set for each percussion instrument.
- ❑ Changing the sound image position will not affect the "Voices without specific pan positions".
- ❑ If you change the position setting, the Keyboard Scale Pan becomes ineffective, and the stereo voice (Piano) becomes monaural.

Rhythm

Starting the Metronome

The CLP-705 is equipped with a metronome feature.

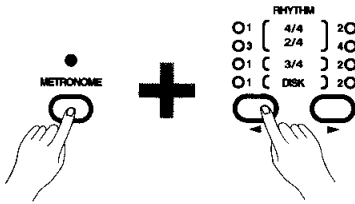


- ▼ **To start the metronome with no accents on the first beat:**

Press the METRONOME button once.

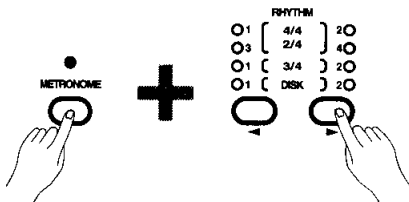
- ▼ **To start the metronome in 3/4 time:**

Hold down the METRONOME button and press the RHYTHM ◀ button (see illustration).



- ▼ **To start the metronome in 4/4 time:**

Hold down the METRONOME button and press the RHYTHM ▶ button.

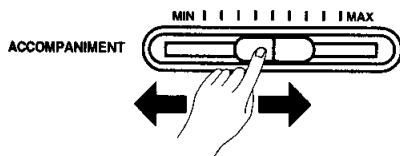


The METRONOME indicator will light, and the metronome will start from the moment you release the METRONOME button. The Beat indicator will flash in accordance with the metronome sound.

To stop the metronome, press the METRONOME button again.

- ❑ Pressing the START/STOP button does not stop the METRONOME, but starts the rhythm.
- ❑ You can also use the metronome while producing rhythm or playing back a song from a floppy disk.

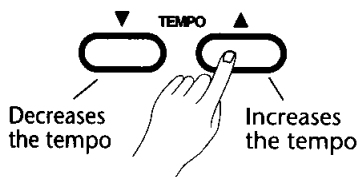
Adjusting the Accompaniment Volume



Slide the ACCOMPANIMENT volume control to adjust the Metronome volume.

- ❑ The accompaniment volume control can also be used to adjust the volume of the rhythm and accompaniment parts of a Disk Orchestra Collection.

Adjusting the Tempo

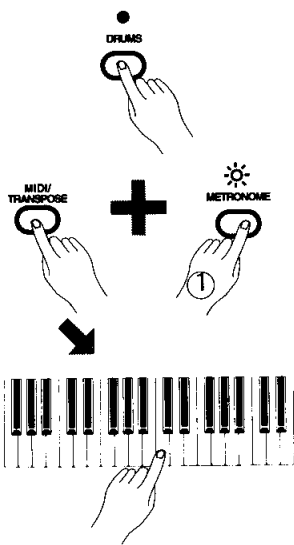


While the current tempo value is still showing on the LED display, press the TEMPO ▼ or ▲ button to increase or decrease the tempo.

- ❑ The tempo can be set within the range of 32 to 280 beats per minute.
- ❑ The tempo can be set before the metronome is started.

Changing the Metronome Sound

The metronome sound can be changed to any of the CLP-705's other percussion sounds. Also a different percussion sound can be assigned to the first accented beat of a measure in 3/4 and 4/4 time.



□ The default sound assigned to the first accented beat is the TRIANGLE OPEN and the METRONOME sound is assigned to the remaining beats of a measure.

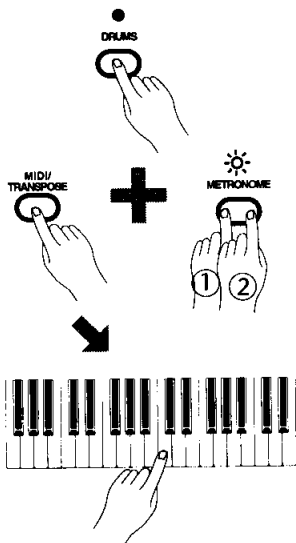
▼ To change the sound of the metronome beats:

1. Select the DRUMS voice by pressing the DRUMS button.
2. Hold down the MIDI/TRANPOSE button and press the METRONOME button.

The METRONOME indicator will start to flash.

3. Without releasing the MIDI/TRANPOSE button, press the key of the desired percussion instrument (refer to the keyboard percussion list on page 7).

The volume of the beat sound will be determined by how hard or soft you press the key.



▼ To change the sound of the first accent:

1. Select the DRUMS voice by pressing the DRUMS button.
2. Hold down the MIDI/TRANPOSE button and press the METRONOME button twice.

The METRONOME indicator will start to flash.

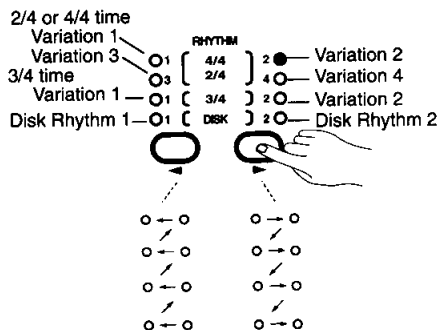
3. Without releasing the MIDI/TRANPOSE button press the key of the desired percussion instrument (refer to the keyboard percussion list on page 7).

The volume of the accent sound is determined by how hard or soft you press the key.

Playing with Rhythm

The CLP-705 comes with six built-in basic rhythm styles and with another 40 rhythm styles supplied on the included Rhythm Disk. The supplied rhythm styles cover a wide spectrum of music genres and are exciting to play along with.

Selecting a Rhythm



Pressing each button switches the patterns as above

▼ To select a rhythm pattern:

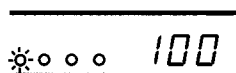
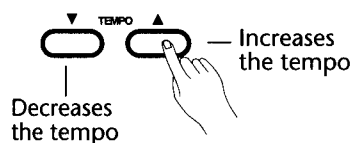
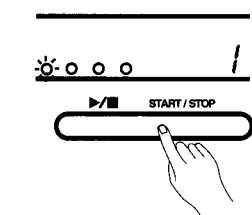
Press the RHYTHM ◀ or ▶ button to select a rhythm style.

The corresponding indicator will light.

□ The disk rhythms 1 and 2 can only be selected after loading a rhythm style from the Rhythm Disk (see page 16)

Starting the Rhythm

Normal Start



▼ To Start the rhythm immediately:

1. Press the ►/■ START/STOP button to start playback of the selected rhythm.

The LED display's indication will change from Tempo to Measure.

2. Play along on the keyboard.

3. Adjust the tempo with the TEMPO ▼ or ▲ buttons.

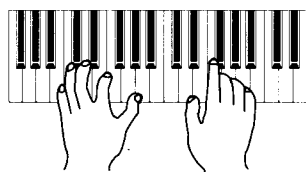
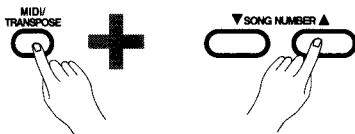
The tempo of the rhythm styles can be set between 32 and 280 beats per minute.

4. To stop, press the ►/■ START/STOP button.

If the soft pedal has been switched to the "START/STOP" pedal function, you may start the rhythm with the Soft pedal (see page 10).

Synchro Start

You can start the rhythm simultaneously with the pressing of a key on the keyboard (Synchro Start function).



▼ To Synchro start the rhythm:

1. Hold down the MIDI/TRANPOSE button and press the SONG NUMBER ▲ button.

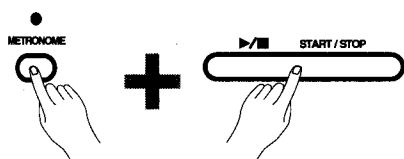
The Synchro start ready mode is now set.

2. Start playing the keyboard, and the rhythm will start at the same time.

To cancel the synchro start ready mode, hold down the MIDI/TRANPOSE button and press the SONG NUMBER ▼ button.

"Lead-in" Start

The rhythm can be started with a lead-in.



▼ To start the rhythm with a lead-in:

Hold down the METRONOME button and press the ►/■ START/STOP button.

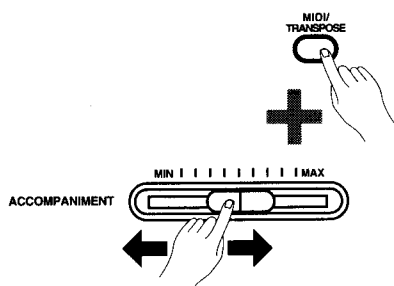
A lead-in will be played followed by the rhythm accompaniment.

Press the ►/■ START/STOP button again to stop the rhythm accompaniment.

The metronome sound can be added to the rhythm. To add a metronome sound press the METRONOME button. If you press the ►/■ START/STOP button while the rhythm sound and metronome sound are both being produced, both the rhythm and the metronome sounds will stop.

Manual Volume

The CLP-705 offers a Manual Volume function that makes it possible to adjust the volume of the keyboard in relation to the accompaniment volume. This is especially handy if you only want to adjust the volume of the keyboard but not that of the accompaniment.

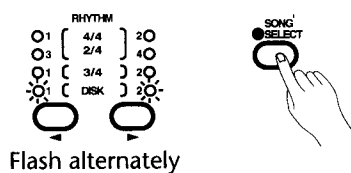
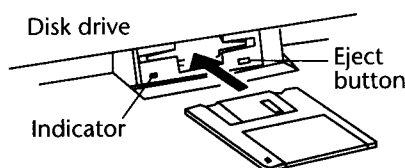


▼ To change the keyboard volume in relation to the accompaniment:

Hold down the MIDI/TRANPOSE button and adjust the keyboard volume in relation to the accompaniment volume with the ACCOMPANIMENT volume control.

Using the Rhythm Disk

In addition to the built-in basic rhythms, the supplied Rhythm Disk provides an extra 40 rhythm styles. After loading two rhythms from the Rhythm Disk you can access them with the RHYTHM ◀ or ▶ button under DISK 1 or DISK 2.



Flash alternately

▼ To load a disk rhythm into the CLP-705:

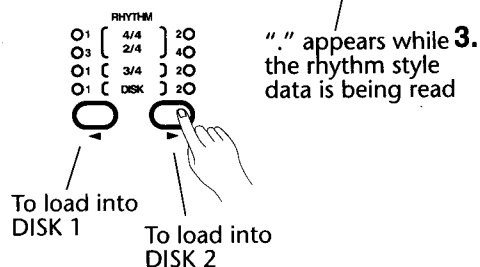
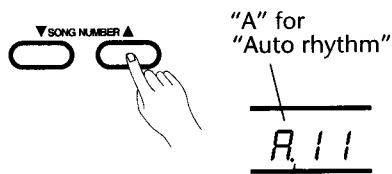
1. Insert the Rhythm Disk into the disk drive as shown in the illustration.

The SONG SELECT indicator will light, and the DISK 1 and DISK 2 indicators will flash alternately.

If the Rhythm Disk has already been inserted and the SONG SELECT indicator is off, press the SONG SELECT button. If the indicator is off you cannot proceed to the next step.

2. Press the SONG NUMBER ▼ or ▲ button to select a rhythm style.

The number of the selected rhythm style will be displayed. If you want to listen to the selected rhythm style, play it back by pressing the ▶/■ START/STOP button.



3. Press the RHYTHM ◀ or ▶ button to select DISK 1 or DISK 2, and the selected rhythm will be loaded into the CLP-705's DISK 1 or DISK 2 memory location.

When the rhythm style is loaded, the selected DISK 1 or DISK 2 indicator will light up and the SONG SELECT indicator will go out (The LED display will return to the Tempo display).

Warning:

- ❑ When the floppy disk drive indicator is on, do not remove the disk.
- ❑ If a rhythm style is already present in the DISK 1 or DISK 2 memory location, the existing rhythm style will be replaced with the newly selected rhythm.
- ❑ The DISK 1 and 2 rhythms will remain in memory for approximately one week after turning the power off.
- ❑ If the rhythm is read with the write protect tab off, the rhythm style number and its location (DISK 1 or 2) will be recorded on the Rhythm Disk. If you turn on the power after inserting the Rhythm Disk into the disk drive, the recorded rhythm will be automatically re-loaded into the CLP-705 if there is no rhythm data for DISK 1 or DISK 2.
- ❑ The disk rhythm can be copied to another disk (see page 32).
- ❑ You can delete the rhythms loaded in DISK 1 and DISK 2 by turning on the power while holding down the rightmost keyboard key.

Disk Orchestra Collection

The Disk Orchestra Collection is a series of music titles produced by Yamaha, ranging from piano trio to piano sonata. The CLP-705 will let you enjoy listening to the performances of the Disk Orchestra Collection titles, or function as your private music tutor allowing you to practice various parts of a piece while others are played automatically.

The CLP-705 can also play back Yamaha's Disklavier PianoSoft disks for piano players. This disk collection comprises a wide variety of piano solos. Some Disklavier PianoSoft songs, however, cannot be used with the Clavinova.

The Disk Orchestra Collection can be used for:

- ❑ Listening
- ❑ Playing the piano section along with the Disk Orchestra accompaniment
- ❑ Practicing a song with the convenient guide lamps
- ❑ Repeatedly practicing a specific phrase

Playing Back a "Disk Orchestra Collection" Disk

Try the Disk Orchestra Collection function by using the supplied "Disk Orchestra Collection" disk.

▼ To listen to a Disk Orchestra Collection song:

1. Insert the Disk Orchestra Collection disk into the CLP-705's disk drive.

The SONG SELECT indicator will light.

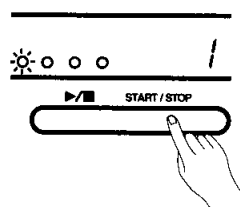
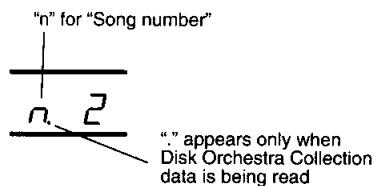
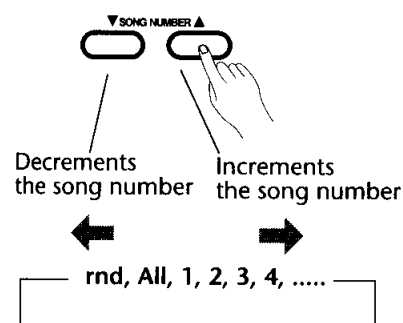
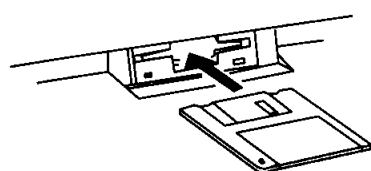
If the Disk Orchestra Collection disk has already been inserted and the SONG SELECT indicator is off, press the SONG SELECT button. If the indicator is off you cannot proceed to the next step.

2. Select the song number you want to play back by pressing the SONG NUMBER ▼ or ▲ button.

The selected song number will appear on the LED display.

If you select "All", then all of the songs are played back repeatedly in order. If you select "rnd" (random) all the songs are played back repeatedly at random.

If any of the parts RIGHT 1, LEFT 2, ORCH 3-10, or RHYTHM contain data, their green indicators will light.



3. Press the ►/■ START/STOP button to play back the song.

The Beat indicator starts to flash, and the measure number is displayed. The guide lamps for the RIGHT 1 and LEFT 2 parts will light in accordance with the automatic playback.

4. If necessary adjust the volume with the MASTER VOLUME control.

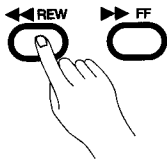
Normally, set the ACCOMPANIMENT volume control to Max.

5. To stop playback press the ►/■ START/STOP button again.

The song automatically stops when the end of the song is reached.

- ❑ To repeat all the songs from the currently selected song onwards, hold down the MIDI/TRANPOSE button and press the ►/■ START/STOP button.
- ❑ You can turn off the keyboard guide lamps by pressing the LAMP CANCEL button.
- ❑ The measure number of some songs (for example songs in 6/8 time) might be displayed differently from the music score.
- ❑ Some of the songs will start after a one-measure lead-in.
- ❑ The playback tempo can be changed with the TEMPO ▼ and ▲ buttons.
- ❑ The beat indicators will not light when using Disklavier PianoSoft. Even with some of the Disk Orchestra Collection songs (songs without rhythm, etc.), the beat indicators do not flash. In this case a number indicating the progress of the song will be displayed. This number however, does not refer to a measure number.
- ❑ If you play back using "ALL" or "rnd", the LED display does not show the measure number but shows the song number that is currently played back and three dots.
- ❑ The voice of either the RIGHT 1 or LEFT 2 part can be changed to another voice when you play back a Disk Orchestra Collection song. The voice changes made during the playback will be canceled whenever a pre-programmed voice change is encountered during playback.

Rewind

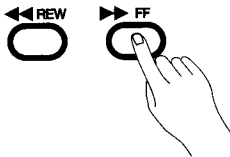


▼ To move backward through a song:

Press the ◀◀ REW (Rewind) button to step one measure backward.

Hold down to step back continuously.

Fast Forward



▼ To move forward through a song:

Press the ▶▶ FF (Fast Forward) button to step one measure forward.

Hold down to step forward continuously.

Pause



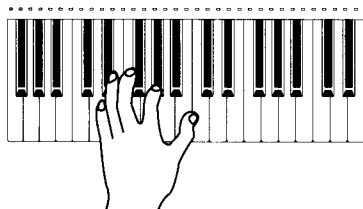
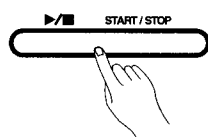
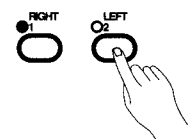
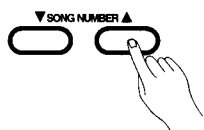
▼ To temporarily stop playback:

1. Press the || PAUSE button.
2. Press it again to restart the playback.

Playing Along with a Disk Orchestra Collection Song (Part ON/OFF)

You can play along with a Disk Orchestra Collection song by turning off one or all of the main parts (RIGHT 1: right-hand part, LEFT 2: left-hand part, or both parts). In this way you can play the piano with a whole orchestra accompanying you.

▼ To play along with a Disk Orchestra Collection song:



1. Make sure a Disk Orchestra Collection disk is inserted and select a song with the SONG NUMBER ▼/▲ buttons.

If the SONG SELECT indicator is not lit, press the SONG SELECT button to turn it on.

2. Select a part you want to play —right-hand part, left-hand part, or both parts— and press the RIGHT 1 button or the LEFT 2 button, or both to turn that, or those parts off.

The indicators of the selected parts you want to play will go out.

You can also turn off the accompaniment and rhythm parts and play them yourself.

3. Press the ►/■ START/STOP button to begin playback.

4. Start playing the parts that have been turned off.

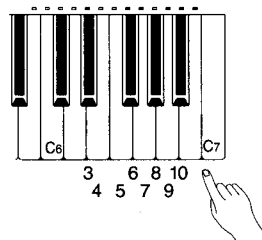
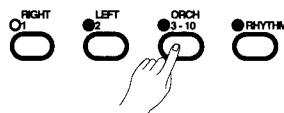
The keyboard guide lamps will show you the keys you should press.

5. To stop playback in the middle of a song press the ►/■ START/STOP button.

The song will automatically stop when the end of the song is reached.

- ❑ The Metronome function can be used together with the Disk Orchestra Collection songs (See page 13).
- ❑ You can turn off the keyboard guide lamps by pressing the LAMP CANCEL button.
- ❑ You can use the Manual Volume function to decrease the volume of the sound you play on the keyboard in relation to the Disk Orchestra Collection playback volume (See page 16).

Turning On and Off the Accompaniment Parts



If you do not want to play along with the accompaniment, press the ORCH 3-10 button to turn all of the accompaniment parts off. The accompaniment consists of 8 parts, that can be turned off individually. Press the ORCH 3-10 button, and 8 guide lamps above the keys on the right hand side will light if the parts contain the data. Each guide lamp represents one of the accompaniment parts (see illustration).

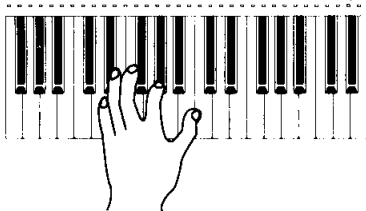
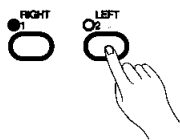
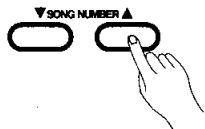
If you hold down the ORCH 3-10 button and press the keys corresponding to the parts you want to turn off, the guide lamps of the keys will flash and the parts will turn off. (The flashing lamp indicates that the selected part is temporarily turned off.)

- Parts containing data:..... Guide lamps on
- Parts containing no data:..... Guide lamps off
- Parts that have been turned off:..... Guide lamps flash

- ❑ Each part can be turned on or off even during the playback.

Practicing with the Keyboard Guide Lamps (Guide Function)

The CLP-705 features a "Guide function" which is very useful if you want to practice a song. The guide lamps indicate the keys you have to play and the CLP-705 will wait for you until those keys are pressed.

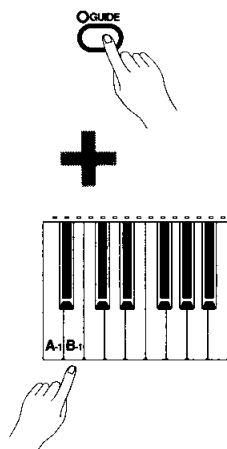


▼ To practice with the keyboard guide lamps:

1. **Make sure a Disk Orchestra Collection disk is inserted, and select a song with the SONG NUMBER ▼/▲ buttons.**
If the SONG SELECT indicator is not lit, press the SONG SELECT button to turn it on.
2. **Select a part you want to play—right-hand part, left hand part, or both parts—and press the RIGHT 1 or the LEFT 2 button or both to turn that or those parts off.**
The indicators of the selected parts will go out. The accompaniment and rhythm parts can also be switched off (see page 19).
3. **Press the GUIDE button to select the Guide function.**
The indicator will light.
4. **Press the ►/■ START/STOP button.**
5. **Start playing the parts that have been turned off by following the guide lamps.**
6. **To stop playback in the middle of a song, press the ►/■ START/STOP button.**
The song will automatically stop when the end of the song is reached. To cancel the guide function, press the GUIDE button to turn the indicator off.

Guide Function Modes

The CLP-705 has the following two guide modes. Each mode uses a different guiding method.



Mode A: The Disk Orchestra Collection waits for you to play each key of the notes shown in the music score.

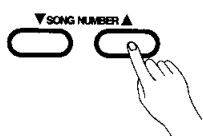
Mode B: The song continues without stopping if you can play the notes approximately. If you do not play the score correctly for a period of more than eight quarter notes (two measures), the CLP-705 will wait for you. When the power is initially turned on, Mode A is automatically set.

▼ To switch modes:

1. **Switch to mode B by holding down the GUIDE button and pressing the second leftmost white key.**
The keyboard guide lamp above the pressed key will light.
2. **Return to mode A by holding down the GUIDE button and pressing the leftmost white key.**
The keyboard guide lamp above the pressed key will light.

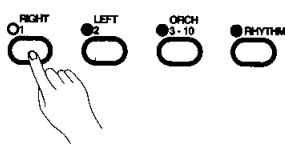
Practicing a Phrase Repeatedly (Phrase Repeat Function)

The CLP-705's Phrase Repeat function is extremely handy when you repeatedly want to practice a specific phrase of a song. Most of the songs of the Disk Orchestra Collection have phrase marks like 1, 2, 3 for each passage or chorus.



1. **Make sure a Disk Orchestra Collection disk is inserted, and select a song with the SONG NUMBER ▼/▲ buttons.**

If the SONG SELECT indicator is not lit, press the SONG SELECT button to turn it on.



2. **Select a part you want to practice —right-hand part, left-hand part, or both parts— and press the RIGHT 1 or the LEFT 2 button or both to turn that or those parts off.**

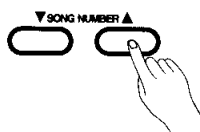
The indicators of the selected parts will go out. The accompaniment parts and the rhythm part can also be switched off (see page 19).



3. **Press the PHRASE REPEAT button to select the Phrase Repeat function.**

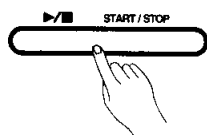
The indicator will light and a phrase number will be shown on the LED display.

"p" for "phrase"



"." appears while the data of the phrase is being read

4. **Use the SONG NUMBER ▼ or ▲ button to select the phrase number you want to practice.**



5. **Press the ►/■ START/STOP button.**

The selected phrase is played back repeatedly after a one measure lead-in.

6. **Start playing the keyboard.**

7. **To stop, press the ►/■ START/STOP button.**

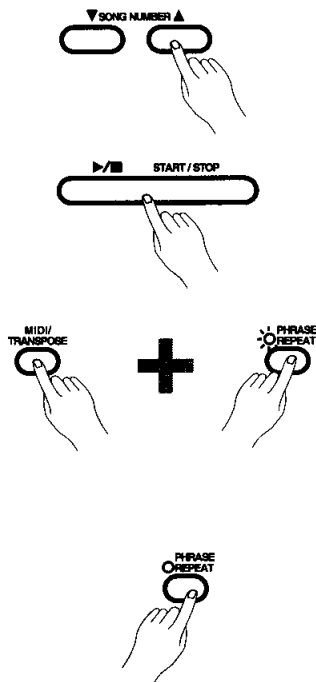
Cancel the Phrase Repeat function by pressing the PHRASE REPEAT button to turn off the indicator.

Specifying a Specific Phrase and Practicing It Repeatedly

Apart from the preset phrase marks of the Disk Orchestra Collection songs, you can specify the beginning point and the ending point, points A and B, of a phrase you want to practice repeatedly.

This function also works with the Disklavier PianoSoft songs and Performance Memory songs.

▼ To specify points A and B:



1. Make sure a Disk Orchestra Collection disk is inserted, and select a song with the SONG NUMBER ▼/▲ buttons.

If the SONG SELECT indicator is not lit, press the SONG SELECT button to turn it on.

2. Press the ►/■ START/STOP button to start playback.

3. During playback, hold down the MIDI TRANPOSE button and press the PHRASE REPEAT button at a position where you want the phrase to begin (Point A).

The PHRASE REPEAT indicator will start to flash.

4. Wait until you reach the position where you want the phrase to stop (Point B), and press the flashing PHRASE REPEAT button.

The PHRASE REPEAT indicator will go out.

5. Press the ►/■ START/STOP button to stop playback.

Start and Stop Practicing

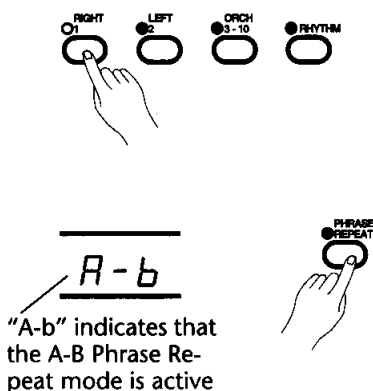
▼ To start practicing:

1. Select a part you want to play —right-hand part, left-hand part, or both parts— and press the RIGHT 1 or the LEFT 2 button or both to turn that or those parts off.

The indicators of the selected parts will go out.

2. Press the PHRASE REPEAT button.

The PHRASE REPEAT indicator will light and “A-b” will appear on the LED display.



3. Press the ►/■ START/STOP button to begin playback.

The phrase between point A and B is played back repeatedly so you can practice that part over and over. The A-B Repeat function will start immediately without a lead-in.

4. Start playing the parts that have been turned off.

☐ Once you specify points A and B, the points are memorized until you change the song number. If you change the song number, the specified points A and B will be canceled.

Performance Memory

The CLP-705 features a Performance Memory function that allows you to record your own performances onto a floppy disk and play them back. A maximum of 60 songs may be stored on a floppy disk.

The CLP-705's Performance Memory has 10 tracks and one rhythm track, which makes it possible to record up to ten separate parts to compose one new song. This is called Multi-track recording.

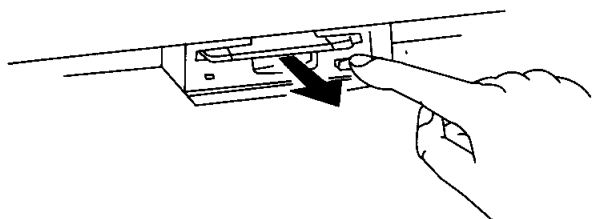
The CLP-705 is also equipped with a convenient copy function that allows you to copy songs from one disk to another.

Floppy Disks

The Disk Orchestra Collection and Rhythm Disks are write-protected, so these disks cannot be used to save songs to. To save Performance Memory songs from the Performance Memory, a blank floppy disk should be used (a blank disk is supplied with the Clavinova).

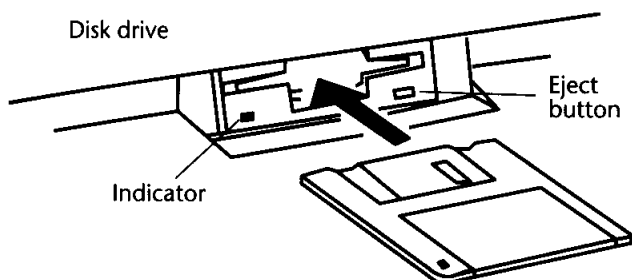
Taking Care of Your Floppy Disks

- ❑ Do NOT eject the disk during recording or playback. Doing so may damage both the disk and the FDD.
- ❑ Do NOT turn on/off the Clavinova while the disk is still inserted.
- ❑ Always eject the disk before turning off the Clavinova.
- ❑ When ejecting a floppy disk from the disk drive:



- To eject a floppy disk, press the eject button slowly as far as it will go. Then, when the disk is fully ejected, remove it by hand.
- The disk may not be ejected properly if the eject button is pressed too quickly, or if it is not pressed in far enough. (The eject button may become stuck halfway with the disk extending from the slot by only a few millimeters). If this is the case, do not attempt to pull out the partially ejected disk. Doing so may damage the disk drive mechanism and/or the floppy disk. To remove a partially ejected disk, try pressing the eject button once again or push the disk back into the slot, then repeat the eject procedure carefully.

- ❑ Do not insert anything but floppy disks into the disk drive. Other objects may damage the disk drive or floppy disk.
- ❑ Use only double-sided double density (2DD) 3.5-inch micro floppy disks with the Clavinova.



Precautions Regarding Floppy Disk Use

- ❑ Never open the disk's shutter. Dirt or dust on the internal magnetic surface will cause data errors.
- ❑ Never leave disks near a speaker, TV or other device that emits a strong magnetic field.
- ❑ Do not store disks in places exposed to direct sunlight or sources of high temperature.
- ❑ Do not place heavy objects, such as books, on top of a disk.
- ❑ Avoid getting the disks wet.
- ❑ Make sure to store the disks in environmental conditions as specified below:
 - Storage temperature: 4° to 53°C (39° to 127°F)
 - Storage humidity: 8 to 90% relative humidity.
 - Location where disks are unlikely to be exposed to dust, sand, smoke, etc.
- ❑ Be sure to attach the disk label at the proper position. When changing the label, never cover the old label with a new label; always remove the old label first.

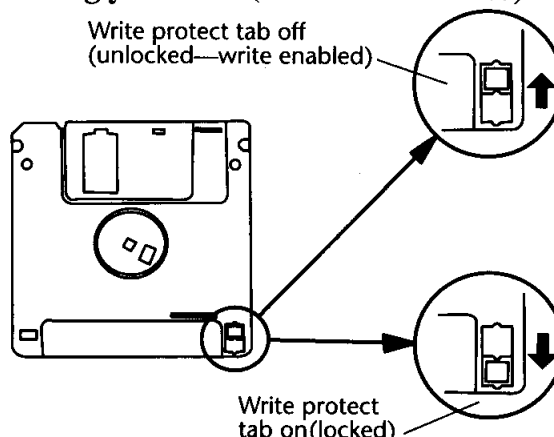
Head cleaning

- ❑ The head of the CLP-705's disk drive unit will get dirty as you use it, this may cause data errors. If this occurs, clean the head with a 3.5 inch head cleaning disk.

Data backup

- ❑ It is recommended that you copy your recorded songs to another disk for backup (see page 32). If the original disk is damaged or your song is deleted, the backup disk can be used instead of your original disk.

Protecting your data (Write Protect Tab)

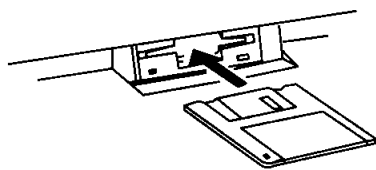


Formatting Floppy Disks

Before you use a new floppy disk, you need to format it.

Warning:

❑ All data will be lost if you format a disk that contains data.



For
/
"For" for "Format"

▼ To format a disk:

1. Insert your new floppy disk into the disk drive.

If you inserted an unformatted disk, "F o r" appears on the LED display.

2. Press the FORMAT button.

The indicator starts flashing and "Y n" appears on the LED display.



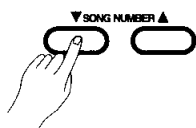
"y" for "yes"

y n "n" for "no"

3. Press the SONG NUMBER ▼ to select "Y", to start formatting.

The LED display will change to "YES".

To cancel the formatting procedure, press the SONG NUMBER ▲ button to select "no". The FORMAT indicator will go out.



YES

4. Press the FORMAT button.

The indicator will stop flashing and light continuously, formatting will then begin. The LED display value will decrement from "F80". When formatting is completed, the FORMAT indicator will go out and the Tempo display will be restored.



F80



Tempo display

100

❑ The Disk Orchestra Collection and Disklavier PianoSoft disks cannot be formatted.

Recording and Playing Back One Track

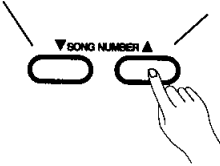
▼ To record one track:

1. Insert a formatted disk into the disk drive. The **SONG SELECT** indicator will light.

If you have inserted an unformatted disk, "F o r" will be displayed. Make sure that you format the disk properly (see page 24).

If you have already inserted a disk and the **SONG SELECT** indicator is off, press the **SONG SELECT** button to turn the indicator on. If the indicator is off, you cannot proceed to the next step.

Decrements the song number Increments the song number



2

2. Press the **SONG NUMBER ▼** or **▲** button to select a song number you want to record to.

The song number will appear on the LED display.

If any of the green indicators **RIGHT 1**, **LEFT 2**, **ORCH 3-10**, or **RHYTHM** light when you select a song number, it means that performance data has already been recorded to that particular song number. If this is the case, and you want to record a song with that particular song number again, you will have to delete the song using the delete process (see page 33).

3. Use the **VOICE** button to select a voice for the track to be recorded to.

4. Press the **RECORD** button.

The **RECORD** indicator will light.

The red **RIGHT 1** (Track 1) indicator will light, indicating that the record ready mode is set.

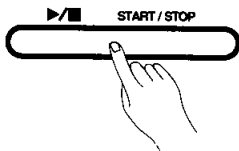
If you release the **RECORD** button, the available memory capacity of the disk appears on the LED display in Kbyte. The available memory capacity of a blank floppy disk is approximately 700 Kbytes. When there is no more available memory capacity, "FUL" will appear on the LED display.



FUL

(Memory is full)

5. Start playing the keyboard, and recording will begin.



6. Press the **▶/■ START/STOP** or the **RECORD** button to stop recording.

"r E C" (recording) will appear on the LED display while the CLP-705 writes the data automatically to the floppy disk. When all data is written to the disk, the green indicator(s) of the recorded part(s) will light indicating that the playback ready mode is set.

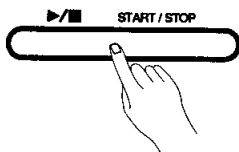
Warning:

- ❑ Never eject a floppy disk from the floppy disk drive while its indicator is lit.

7. Press the **▶/■ START/STOP** button to commence playback.

Press the **▶/■ START/STOP** button again to stop playback or playback will automatically stop when the end of the song is reached.

- ❑ You may also play along with the playback. Any voice can be selected for this.
- ❑ You can also change the rhythm or tempo of the playback.
- ❑ During playback you can **PAUSE**, **REWIND** or **FAST FORWARD** the song (see page 18).



Saving a Song from the CLP-705's Internal Memory to a Floppy Disk

Without a floppy disk the CLP-705 can record a short song into its internal memory. However, this will be erased when the power is turned off or another song is recorded. If you want to keep the song, copy it to a floppy disk (see page 31).

- ❑ If you insert a *Disk Orchestra Collection*, *Disklavier PianoSoft*, or *Rhythm Disk* after recording your performance without a disk, the recorded song will be erased because the data of the inserted disk will be read in the CLP-705. However, if you insert a *Performance Memory* disk, the song recorded in the CLP-705 will not be erased, and you cannot select a song number with the **SONG NUMBER** buttons. If this is the case, perform either operation below.
 - To delete the song recorded without a disk, press the **SONG SELECT** button to turn the indicator on.
 - To save the song recorded without a disk, perform the copy operation.

Multi-track Recording

With the Performance Memory you can record up to ten separate parts (tracks) to compose (Multi-track recording) one new song.

Aura Lee

American Folk Song

FLUTE part

Track 1 

PIANO part

Track 2 

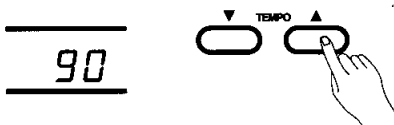
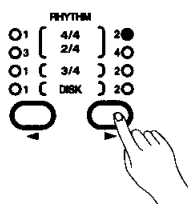
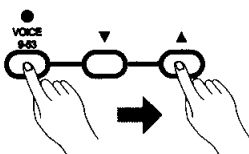
STRINGS part

Track 3 

Here we will use three tracks and the rhythm track to make a multi-track recording of "Aura Lee".

▼ To record track 1 and rhythm:

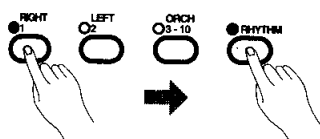
1. Use the same procedure to load a disk and select a song number as used for recording a one-track song.
2. Use the **VOICE** number buttons to select voice number 50 "FLUTE".
3. Press the **RHYTHM** ◀ or ▶ button to select 2/4 or 4/4 time variation 2.
4. Use the **TEMPO** ▼ or ▲ button to set the tempo of the song to approximately 90 beats per minute.





5. Press the RECORD button.

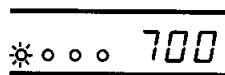
The RECORD indicator will light.



6. Press the RIGHT 1 button and the RHYTHM button.

The red indicators of the RIGHT 1 and RHYTHM buttons will light. This indicates that Track 1 and the Rhythm track are in record ready mode.

The lead-in sound will be produced and the first beat of the Beat indicator will flash.



7. Start playing the keyboard.

The rhythm will start and recording will begin.

8. Press the ►/■ START/STOP or RECORD button to stop recording.

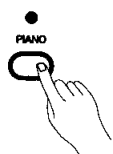
When recording is finished, the RECORD indicator will go out, and the green indicators of the recorded parts will light, indicating that the playback ready mode is set.

9. If you wish to re-record, start the process from step 5.

▼ To record track 2:

Use the same procedure to record Track 2 as used for Track 1.

1. Select the PIANO voice.

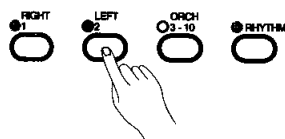


2. Press the RECORD button.



3. Press the LEFT 2 button. The red indicator will light.

The indicators of the RIGHT 1 and RHYTHM are now green, indicating that they are in playback ready mode.



4. Start playing the keyboard, and recording will begin.

You can record Track 2 while listening to the playback of the RIGHT 1 and RHYTHM.

5. Press either the ►/■ START/STOP or RECORD button to stop recording.

▼ To record track 3:

Use the same procedure to record Track 3 as used for Track 1 and 2.

1. Select the STRINGS voice.

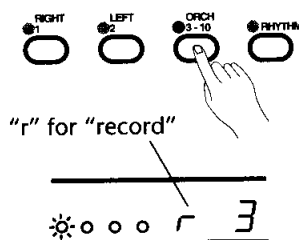


2. Press the RECORD button.



3. Press the ORCH 3-10 button to select Track 3.

"r 3" will be displayed while the button is held down.



☐ If the LED display shows anything other than "r 3", keep pressing the SONG NUMBER ▼ or ▲ button while holding down the ORCH 3-10 button until "r 3" is displayed.

The green indicators of RIGHT 1, LEFT 2, and RHYTHM are lit, indicating that Track 1, 2 and the Rhythm are now in playback ready mode.

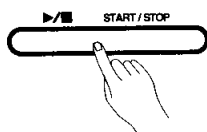
4. Start playing the keyboard, and recording will begin.

5. Press either the ►/■ START/STOP or RECORD button to stop recording.

▼ To play back the song:

Press the ►/■ START/STOP button to start playback of what you have just recorded.

Press it again to stop playback or playback will automatically stop when the end of the song is reached.



Recording and Playback Tips

The following are hints to make the most of the CLP-705's Performance Memory.

Recording Tips

Selecting a Track to be Recorded

If you use tracks (RIGHT 1, LEFT 2, ORCH 3-10, and RHYTHM) for recording, the track you selected last will be automatically selected when you press the RECORD button after recording has begun. Use the track buttons to choose the track you want to record next. To choose one of the ORCH 3-10 tracks, keep pressing the SONG NUMBER ▼ or ▲ button while holding down the ORCH 3-10 button until the desired track is displayed. (The LED display shows the selected track number such as "r 5" during the operation).

Recording with the Metronome

You can record along the metronome sound of the CLP-705, however, it will not be recorded.

Lead-in Recording

Press the ►/■ START/STOP button while holding down the METRONOME button to start recording. The recording will begin with a lead-in.

Punch-in Recording (Re-recording in the Middle of a Song)

The CLP-705's Punch-in recording function allows you to re-record a section of a song.

▼ To Punch-in record:

1. Start playback and use the PAUSE button to temporarily stop playback before the point you want to re-record.
2. Press the RECORD button.
3. Choose the track you want to re-record.
4. Use the ►/■ START/STOP button to start the playback again. Play the Clavinova from the point you want to re-record until the end.
As soon as you play a key, recording will begin.
5. Press the ►/■ START/STOP button or the RECORD button to stop recording.

☐ If you hold down the track button and press the ►/■ START/STOP button in step 4, recording will begin from that point. If you do not play and stop recording after that, the data after that point will be deleted.

Changing the Initial Values

Panel settings that were recorded at the beginning of a song can be changed (See "Data Recorded" on page 30).

▼ To change the initial values:

1. Press the RECORD button.
2. Press the button of the track in which you want to change the initial values to set the track to the record ready mode.
3. Change the initial value, for example, change the tempo by selecting a new tempo value with the TEMPO ▼ or ▲ buttons.
If you play a key, or press the ►/■ START/STOP button the performance data of the track will be deleted.
4. Press the RECORD button to cancel the record ready mode.

The initial value of the recorded song will be changed.

Volume Control for Each Track

You can set the initial value of the volume for each track independently. Therefore, you can adjust the volume balance among the tracks. Perform the following operation when you reach step 3 of "Changing the Initial Values".

▼ To adjust the volume for each track:

1. Use the ACCOMPANIMENT volume control to set the rhythm track volume.
2. Use the ACCOMPANIMENT volume control while holding down the MIDI/TRANPOSE button to set the volume of each track (1 to 10).

☐ When you play back the song, you can change the overall playback volume by sliding the ACCOMPANIMENT volume control. The keyboard performance volume can be changed by holding down the MIDI/TRANPOSE button and sliding the ACCOMPANIMENT volume control.

☐ Data of the Rhythm track can be deleted by starting and stopping recording with the ACCOMPANIMENT volume control set to "MIN".

Data Recorded

Panel settings

- Voice type
- Pan (See page 12)
- Reverb type and depth
- Rhythm pattern
- Tempo
- Voice for each track (1 to 10 and rhythm track)
- Dual voice (when set to Dual)
- Dual volume balance (when set to Dual)
- Damper and Soft pedals

Performance data

- Notes played on the keyboard
- Sostenuo pedal

External MIDI data

- Modulation
- Expression
- Pitch bend

Playback Tips

Individual playback ON/OFF of tracks 3 to 10 (See page 19), Guide function (See page 20) and A-B Repeat function (See page 22) can also be applied to the data created by the Performance Memory function. The Guide function is effective for tracks 1 (RIGHT) and 2 (LEFT).

MIDI Multi-track Recording

Multi-track data recorded with a compatible sequencer or computer running sequencing software can be copied to a floppy disk and used by the CLP-705.

▼ To use MIDI with multi-track recording:

1. **Make the appropriate MIDI connections.**
2. **Hold down the MIDI/TRANPOSE button and press the CLAVINOVA TONE button.**
This activates the MIDI Multi-timbre mode (see page 37). The CLAVINOVA TONE indicator will light.
3. **Hold down the MIDI/TRANPOSE button and press the DRUMS button.**
The DRUMS indicator will light and the Clock is set to External (see page 37).

4. **Press the SONG NUMBER buttons to select a song.**

A song number will be shown on the LED display.

5. **Select a beat pattern.**

Use the RHYTHM button to select either the [2/4 or 4/4 time 1 to 4] or the [3/4 time 1 or 2], which determines whether you use the Beat indicator in 4/4 time pattern or 3/4 time pattern.

6. **Set the tempo of the CLP-705 to the tempo of the song to be recorded.**

7. **Hold down the MIDI/TRANPOSE button and press the RECORD button.**

This sets the CLP-705 in the Record Ready mode.

8. **Start playback on the external device to start recording.**

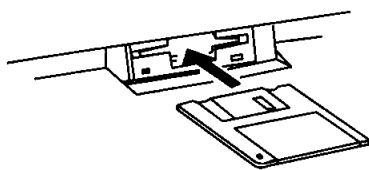
- ❑ Channels 1 to 10 are simultaneously recorded to Tracks 1 to 10 respectively, and Channel 15 is simultaneously recorded in the Rhythm track (MIDI multi-track recording). Only Channels 1 to 10 and 15 are recorded, the other channels are ignored.
- ❑ If you perform multi-track recording, the Program Change Numbers in each channel recorded on the sequencer side will be directly recorded to each track of the CLP-705. Set the Program Change numbers on the sequencer side beforehand so that they match the Voice numbers of the CLP-705.
- ❑ If you perform the multi-track recording, The Note numbers of Channel 15 recorded by the sequencer are recorded directly to the rhythm track of the CLP-705. Change the Note numbers of the sequencer so that they match the keyboard percussion Note numbers of the CLP-705.

Copying Songs

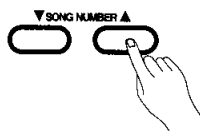
You can copy the data of an individual song made with the Performance Memory.

▼ To copy a song in the same disk:

1. Insert a disk containing the song you want to copy.



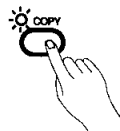
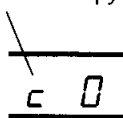
2. Use the SONG NUMBER ▼ or ▲ button to select the song number to be copied.



3. Press the COPY button.

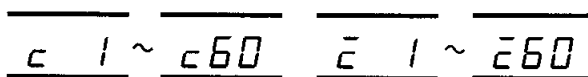
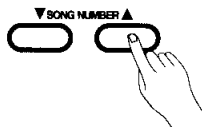
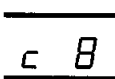
The indicator will start to flash and "c 0" appears on the LED display. If the selected song number does not contain any performance data, the indicator will not light and you cannot perform the copy operation.

"c" for "copy"



4. Use the SONG NUMBER ▼ or ▲ button to select a song number from "c1" to "c60" to copy the song to.

Song numbers "ē 1" to "ē 60" should be used if you want to copy the song to another disk.



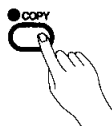
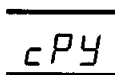
Copying to
the same disk

Copying to
another disk

To cancel the copying procedure at this point, press the ►/■ START/STOP button.

5. Press the COPY button to start copying.

If the song number you want to copy the song to has no data, the COPY indicator will light and copying will start. The LED display shows "c P Y" during copying.



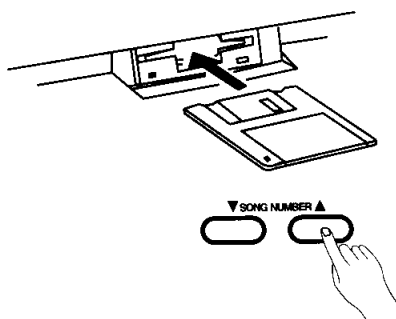
□ If there is already some data in the song number you want to copy to, the LED display will show "Y n" (Yes or No) to confirm if you want to replace the data with the new data.

If "Y n" appears on the LED display, and you want to replace the old data, select "Y" by pressing the SONG NUMBER ▼ button. If you don't, select "n" by pressing the SONG NUMBER ▲ button to cancel the copy operation.

The copy operation is completed when the COPY indicator goes out and the LED display shows the new song number. The SONG SELECT indicator will also light.

▼ To copy to another disk:

1. Insert a disk containing the song you want to copy.

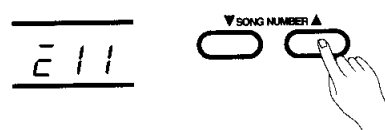


2. Use the SONG NUMBER ▼ or ▲ button to select the song number to be copied.



3. Press the COPY button.

The indicator will start to flash and "c 0" will appear on the LED display. If the selected song number does not contain any performance data, the indicator will not light and you cannot perform the copy operation.



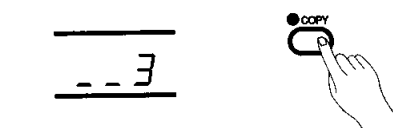
4. Use the SONG NUMBER ▼ or ▲ button to select a song number from "c 1" to "c 60" to copy the song to.

Song numbers "c1" to "c60" should be used if you want to copy the song to the same disk.

To cancel the copying procedure at this point, press the ►/■ START/STOP button.

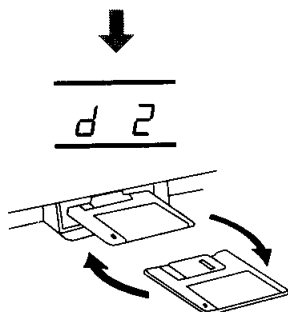
5. Press the COPY button again to start copying.

The COPY indicator stops flashing and lights continuously, and the performance data is read from the source disk. While data is being read the LED display shows how many times the source and destination disks have to be loaded alternately.



6. Once "d 2" appears on the LED display, remove the source disk, and insert the destination disk.

If the song number you want to copy a song to has no data, the COPY indicator will light and copying will start. While data is being read the LED display shows how many times the destination and source disks have to be exchanged. If this is the last time the disk has to be inserted the LED display will show "c P Y".



c P Y

If there is already some data in the song number you want to copy to, the LED display will show "Y n" (Yes or No) to confirm if you want to replace the old data with the new data.

If "Y n" appears on the LED display, and you want to replace the old data, select "Y" by pressing the SONG NUMBER ▼ button. If you don't, select "n" by pressing the SONG NUMBER ▲ button to cancel the copy operation.

7. If the song cannot be copied in one operation, keep exchanging the source and destination disks as prompted by the LED display.

If "d 1" is displayed.... Insert the copy source disk.

If "d 2" is displayed.... Insert the copy destination disk.

The copy operation is completed when the COPY indicator goes out and the LED display shows the new song number. The SONG SELECT indicator will also light.

Copying a Disk Rhythm

A disk rhythm can also be copied to another disk, however, it cannot be copied to a disk that contains Performance Memory or Disk Orchestra Collection data. Vice versa, you cannot copy Performance Memory songs or Disk Orchestra Collection data to a disk containing disk rhythm data.

Copying Disk Orchestra Collection Songs

You cannot copy a complete Disk Orchestra Collection song to another disk. You can however, copy the orchestra (accompaniment) part and the rhythm part to a song on another disk. You can even add your own left and right-hand part performance to create your own recorded performance with a sublime accompaniment. This disk, however, cannot be copied to another disk.

Deleting Data

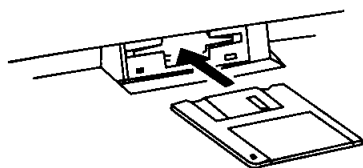
When you no longer need or want a song, you may delete it.

Warning:

- ❑ Once you have deleted a song you cannot restore it again. Be careful not to delete a song by mistake.

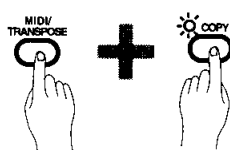
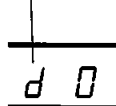
▼ To delete a song:

1. Insert a disk containing the song you want to delete into the disk drive.



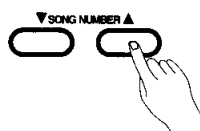
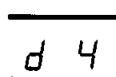
2. Hold down the MIDI/TRANPOSE button and press the COPY button.

"d" for "delete"



The COPY indicator will start to flash and the LED display will show "d 0".

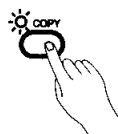
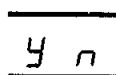
3. Use the SONG NUMBER buttons to select the song number you want to delete.



- ❑ To cancel at this point, press the ►/■ START/STOP button.

4. Press the COPY button.

"Y n" appears on the LED display for confirmation.



5. To delete the song, press the SONG NUMBER ▼ button to select "Y".

The COPY indicator stops flashing and lights continuously, and the LED display shows "dEL" during the delete process.

The delete process is completed when the COPY indicator goes out and the Tempo display is restored.

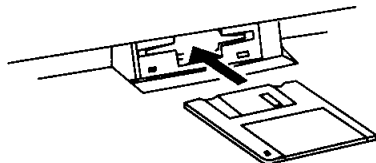
If you don't want to delete the song, press the SONG NUMBER ▲ button to select "n".



Converting Songs to the Clavinova Common Voice

If you convert a song recorded with the CLP-705's Performance Memory to the Clavinova Common Voice, you can play it back on the Clavinova CVP-50/70 or on the Disk Orchestra Module DOM-30. Some Clavinova models have a common voice array in addition to their own. Because the voice array of the CLP-705 is different from the CVP-50/70 or DOM-30 voice array, a song recorded on the CLP-705 will play back with completely different voices on the CVP-50/70 or DOM-30. However, if you convert the recorded song to the Clavinova Common Voice it will play back with voices that are similar to the voices that were originally used to record the song.

- ❑ This operation is not necessary when playing back a CLP-705's song on the CVP-55/65/75.
- ❑ Once you have converted a song, you cannot change it back to the original voice. It is recommended that you copy and store the original voice before converting.

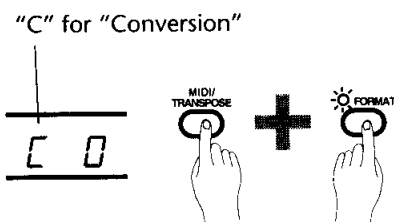


▼ To convert a song to the Clavinova Common Voice:

1. Insert the disk that contains the song you want to convert, into the floppy disk drive.

2. Hold down the MIDI/TRANSPOSE button and press the FORMAT button.

The FORMAT indicator will start to flash and the LED display will show "C 0".

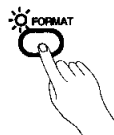


3. Use the SONG NUMBER buttons to select the song number you want to convert.

- ❑ To cancel the conversion process at this point, press the ►/■ START/STOP button.

4. Press the FORMAT button to start converting.

"Y n" appears on the LED display for confirmation.



5. Press the SONG NUMBER ▼ button to select "Yes", and the conversion will start.

The FORMAT indicator stops flashing and lights continuously. The LED display shows the number of the measure which is being converted.

To cancel the conversion, press the SONG NUMBER ▲ button to select "no".

The conversion is completed when the FORMAT indicator goes out and the song number which has been converted is displayed (The SONG SELECT indicator also lights).

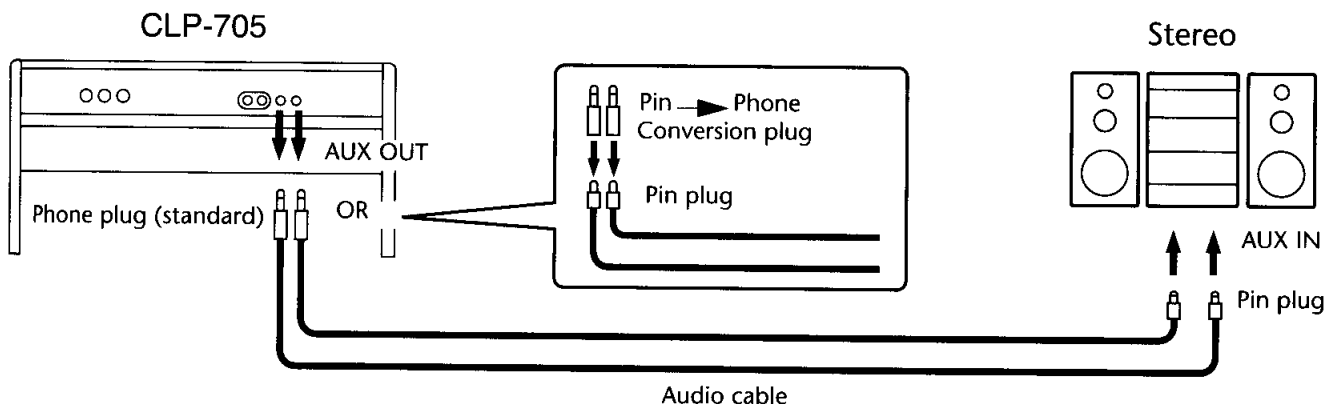
Input and Output Connections

Connecting an Amplifier or a Recording Device

You can connect the CLP-705 to an amplifier or recording device. If it is connected to an amplifier, turn the MASTER VOLUME control of the CLP-705 to the halfway point, and adjust the volume by using the stereo's volume control.

- ▼ **To connect the CLP-705 to an amplifier or recording device:**

Plug the cable from the amplifier's input jack into the AUX OUTPUT phone jacks at the rear of your CLP-705.

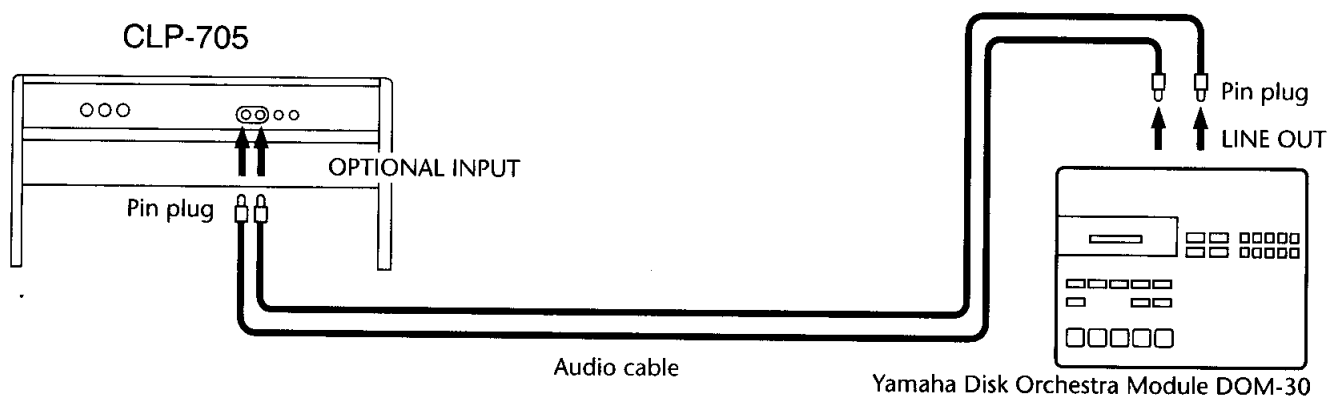


Connecting an Audio Source

The audio output of another instrument can be reproduced through the CLP-705's built-in speaker.

- ▼ **To connect an audio source:**

Connect the pin plugs from the audio source into the OPTIONAL INPUT phono jacks at the rear of your CLP-705.



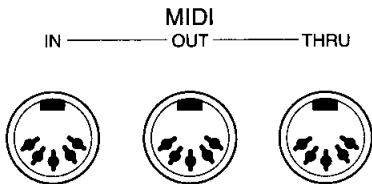
- *The sound from the external equipment's OPTIONAL INPUT jacks is output through the AUX OUTPUT jacks together with the CLP-705's sound. The CLP-705's volume control and reverb effects, however, will have no effect on the sound from the external equipment.*

MIDI

MIDI, the Musical Instrument Digital Interface, is a world-standard communication interface that allows MIDI-compatible musical instruments and equipment to share musical information and control one another. This makes it possible to create “systems” of MIDI instruments and equipment that offer far greater versatility and control.

MIDI ports

The CLP-705 comes equipped with three MIDI ports:



MIDI IN: This port receives MIDI messages. These messages can be used to control the CLP-705.

MIDI THRU: This port passes the messages received from the MIDI IN port to another MIDI device.

MIDI OUT: This port sends messages. These messages can be used to control another MIDI device.

You will need a MIDI cable if you want to connect the CLP-705 to another MIDI device. This cable is not supplied and must be purchased separately.

Do not use MIDI cables that are longer than 15 meters.

MIDI connections

Using the CLP-705 as a master keyboard

Keyboard performance data from the CLP-705 is transmitted from the MIDI OUT port. When this data is received through a MIDI IN port by another MIDI keyboard or tone generator, the receiving MIDI device will play the keys pressed on the CLP-705. It will also respond to any control panel adjustments from the CLP-705.

Using the CLP-705 as a tone generator

The CLP-705 is capable of receiving the above MIDI data, so a second MIDI keyboard connected to the CLP-705's MIDI IN connector can be used to remotely play the CLP-705 and select voices as required.

Connecting the CLP-705 to a sequencer or computer

A computer running sequencer software and equipped with a MIDI interface, has similar capabilities as a hardware MIDI sequencer. A MIDI sequencer when connected to the CLP-705 can record your performances. These performances can be edited with the MIDI sequencer, after which they can be played back using the CLP-705 as the tone generator.

- ❑ *MIDI functions differ with each model. You can only control instruments that have common MIDI functions. Use a MIDI Implementation Chart to check the compatible MIDI functions. See page 128 for the MIDI Implementation Chart of the CLP-705.*

MIDI channels

MIDI channels allow communication between individual devices in a MIDI system. Before you can communicate with a particular MIDI device you need to match its MIDI channel. A sending device can send messages on any of the 16 MIDI channels. Only the receiving MIDI devices that are set to that channel receive the messages. A MIDI device can also be set to receive MIDI messages on all channels, this is known as the OMNI ON mode.

MIDI Channel Settings

The CLP-705 can be set to send or receive on any of its 16 MIDI channels. It can also be set to receive on all channels (OMNI ON).

▼ To set the Send/Receive channels:

1. To set the Send channel, hold down the MIDI/TRANSPOSE button and press the VOICE 9-53 ▼ button.
To set the Receive channel, hold down the MIDI/TRANSPOSE button and press the VOICE 9-53 ▲ button.
2. Hold down the MIDI/TRANSPOSE button and press the TEMPO button to set the Send channel (1 to 16) or Receive channel (1 to 16 or ALL).

Channel number increases.

- ❑ *When the Receive channel is set to "ALL" the OMNI mode ON/Channel 1 is activated. This makes it possible to receive data on all channels simultaneously, however, mode messages Control change 121 to 125 are received only on Channel 1.*
- ❑ *When the power is turned on, the send channel is set to Channel 1, the receive channel is set to ALL (OMNI mode ON/Channel 1).*
- ❑ *The send and receive channels can also be set with the keyboard keys. Hold down the MIDI/TRANSPOSE button and press the key which corresponds to the channel you want to use.*

MIDI settings

The following MIDI settings can be made by holding down the MIDI/TRANPOSE button and pressing the corresponding voice button.

MIDI Setting	Voice button
Local Control ON/OFF	PIANO
Program Change ON/OFF	HARPSI
Control Change ON/OFF	ORGAN
Multi-Timbre Mode ON/OFF	CLAVINOVA TONE
MIDI Split & Left Local OFF	VIBES
MIDI Split & Right Local OFF	STRINGS
Panel data transmission	CHORUS
MIDI Clock INTERNAL/EXTERNAL	DRUMS
Multi-Timbre Mode ON/OFF of the Clavinova Common Voice	VOICE 9-53

Local Control ON/OFF

The Local Control message turns the local keyboard control of the CLP-705 on and off. When Local Control is used, the CLP-705 responds to notes played on its own keyboard and to the controls manipulated on its own control panel.

- PIANO indicator OFF = Local Control ON (default)
- PIANO indicator ON = Local Control OFF

Program Change ON/OFF

The Program Change message signals a voice change to the CLP-705 or to the device(s) it is connected to. When Program Change is off, voice Program Change messages will not be transmitted or received.

- HARPSI indicator OFF = Program Change ON (default)
- HARPSI indicator ON = Program Change OFF

Control Change ON/OFF

The Control Change message conveys among others the Damper, Sostenuto, and Soft pedal settings. When Control Change is off, voice Control Change messages will not be transmitted or received.

- ORGAN indicator OFF = Control Change ON (default)
- ORGAN indicator ON = Control Change OFF

Multi-Timbre Mode ON/OFF

When the Multi Timbre mode of the CLP-705 is set to on, it polyphonically plays notes that it receives on any single MIDI channel.

These are three ways to receive MIDI data:

1. Specify only one receive channel and play the data of only that channel.
2. Receive and play the data of all the channels by setting to "ALL" (OMNI MODE ON).
3. Receive and play the data polyphonically on any single MIDI channel (Multi Timbre mode ON).

- CLAVINOVA TONE indicator OFF = Multi-Timbre mode OFF (default)
- CLAVINOVA TONE indicator ON = Multi-Timbre mode ON

MIDI Split & Left Local OFF

In the MIDI Split & Left Local OFF mode the CLP-705 does not respond to notes played in the left-hand section of the keyboard. The left-hand performance data is transmitted over the MIDI OUT connector for control of another MIDI device. The right-hand section of the keyboard is not affected by this mode.

- VIBES indicator OFF = Normal (default)
- VIBES indicator ON = MIDI Split & Left Local OFF

- The split point is initially set to F#2 when the power is turned on. You can change the split point by holding down the MIDI/TRANPOSE button and pressing a key to select the new split point. The split point key is included in the left-hand section of the keyboard. (The keyboard guide lamp at the new split point location will light).
- When the MIDI Split & Left Local are OFF, the keyboard performance information on the left-hand section of the keyboard is output on MIDI channel 2, while the right-hand section of the keyboard is output on the specified Send channel.

MIDI Split & Right Local OFF

In the MIDI Split & Right Local OFF mode the CLP-705 does not respond to notes played in the right-hand section of the keyboard. The right-hand performance data is transmitted over the MIDI OUT connector for control of another MIDI device. The left-hand section of the keyboard is not affected by this mode.

- STRINGS indicator OFF = Normal (default)
- STRINGS indicator ON = MIDI Split & Right Local OFF

- The split point is initially set to F#2 when the power is turned on. You can change the split point by holding down the MIDI/TRANPOSE button and pressing a key to select the new split point. The split point key is included in the left-hand section of the keyboard. (The keyboard guide lamp at the new split point location will light).
- When the MIDI Split & Right Local is OFF, the keyboard performance information on the left-hand section of the keyboard is output on MIDI channel 2, while the right-hand section of the keyboard is output on the specified send channel.

Panel Data Send

Panel Data Send transmits in bulk at one time all the current Clavinova panel settings (selected voice, reverb settings, etc.) via the MIDI OUT port. This makes it possible to send the panel settings to another CLP-705 or store them in a sequencer or MIDI data filer MDF2.

- See page 30 for details regarding the transmitted panel data.

MIDI Clock Internal/External

The MIDI clock controls the CLP-705's rhythm.

When the CLP-705's MIDI clock is set to Internal, the tempo is controlled by the CLP-705 itself. If, on the other hand, it is set to external, the CLP-705's tempo is controlled by an external device such as a sequencer. When the External clock is set, normal START/STOP mode is operated by an external device.

- DRUMS indicator OFF = Internal clock (default)
- DRUMS indicator ON = External clock

Clavinova Common Voice Multi-Timbre Mode ON/OFF

When the Clavinova Common Voice Multi-Timbre Mode is set to ON, the voice number of the CLP-705 during a performance is converted to the Clavinova common voice and is transmitted. When receiving, all voices of all the channels are converted to the Clavinova Common Voice.

- VOICE 9-53 indicator OFF = Clavinova Common Voice Multi-Timbre Mode OFF (default)
- VOICE 9-53 indicator ON = Clavinova Common Voice Multi-Timbre Mode ON

Polyphony

The maximum polyphony of the CLP-705 is 32 notes. This means that your Clavinova can generate a maximum of 32 notes at the same time. This number not only includes notes played by you on the keyboard but also notes played back by the Metronome, Rhythm, Disk Orchestra, and Performance Memory. If more than 32 notes are played at the same time, some notes may not sound, and some may be truncated (cut off).

Some of the CLP-705 voices use more than one note per key, if for example, a voice uses 2 notes, you can only sound 16 keys at the same time.

Voices that use more than 1 note per key

- PIANO (Stereo voice)
- ORGAN (2-element voice)
- CLAVINOVA TONE (2-element voice)
- VIBES (2-element voice)
- CHORUS (2-element voice)
- ELECTRIC PIANO 1 (2-element voice)
- ELECTRIC PIANO 2 (2-element voice)
- JAZZ ORGAN (2-element voice)

When using Rhythm, Performance Memory, or the Disk Orchestra Collection, the maximum polyphony is reduced. For example Rhythm reduces the maximum polyphony to 24 notes. Therefore, while playing along with these functions some of the notes you play may not sound, and some may be truncated.

The Dual Mode will also significantly reduce the number of available notes, since it combines two voices.

Troubleshooting

Symptom	Action
<input type="checkbox"/> Turning the POWER switch on or off produces a "pop" sound.	<input type="checkbox"/> This is normal and is no cause for alarm.
<input type="checkbox"/> The volume produced by playing the keyboard is lower than the rhythm or disk playback volume.	<input type="checkbox"/> Increase the Manual Volume (see page 16).
<input type="checkbox"/> The rhythm or disk playback volume is lower than the volume produced by playing the keyboard.	<input type="checkbox"/> Increase the Accompaniment Volume with the ACCOMPANIMENT volume control.
<input type="checkbox"/> Overall volume is low, or no sound is produced.	<input type="checkbox"/> Increase the MASTER VOLUME. <input type="checkbox"/> If headphones are connected to the CLP-705, remove them. <input type="checkbox"/> Make sure that Local Control is not set to OFF, by holding down the MIDI/TRANPOSE button and pressing the PIANO button to turn the PIANO indicator off.
<input type="checkbox"/> Rhythm or disk playback does not start.	<input type="checkbox"/> Make sure the MIDI clock is not set to External by holding down the MIDI/TRANPOSE button and pressing the DRUMS button to turn the DRUMS indicator off.
<input type="checkbox"/> The left-hand (right-hand) section sound is not produced.	<input type="checkbox"/> Make sure the CLP-705 is not set to MIDI Split & Left Local OFF (MIDI Split & Right Local OFF) by setting it to the normal mode (see page 37).
<input type="checkbox"/> The same number of sounds as the number of keys pressed on the keyboard are not produced.	<input type="checkbox"/> The maximum polyphony is exceeded (see page 38).
<input type="checkbox"/> Pressing the Soft pedal starts or stops the rhythm.	<input type="checkbox"/> The Soft pedal is set to the START/STOP function (see page 10 on how to reset the Soft pedal function).
<input type="checkbox"/> You cannot record the maximum of 60 songs.	<input type="checkbox"/> Some of the recorded songs may contain a lot of data, therefore, the disk may not have enough available memory left. To record more songs to the same disk, delete any unnecessary songs, or use another disk.
<input type="checkbox"/> Some tracks cannot be played back with the Performance Memory.	<input type="checkbox"/> The track is OFF, (see page 19 for more information on how to turn the track ON).

Error Messages

Error message	Cause	Remedy
<u>For</u> (unformatted)	<input type="checkbox"/> You have inserted an unformatted disk.	<input type="checkbox"/> Format the disk (see page 24).
<u>Pro</u> (Protected)	<input type="checkbox"/> The disk's write protect tab is set to the write protect position. <input type="checkbox"/> You are trying to record data to a write protected file or song. <input type="checkbox"/> You are trying to record the orchestra and rhythm parts of a Disk Orchestra Collection disk to a disk containing other data. <input type="checkbox"/> You are trying to write or copy Performance Memory or Disk Orchestra Collection data to a disk containing Rhythm data, or vice versa.	<input type="checkbox"/> Set the write protect tab to the write position. <input type="checkbox"/> The Disk Orchestra Collection, Rhythm Disk, and Disklavier PianoSoft disks are protected so that no data can be written to them. <input type="checkbox"/> Copied Disk Orchestra Collection data can only be copied to the same disk, not to another disk. <input type="checkbox"/> Only the same kind of data can be written or copied to a disk.
<u>dEr</u> (disk Error)	<input type="checkbox"/> The disk is damaged. <input type="checkbox"/> Excessive vibration occurred during the disk operation.	<input type="checkbox"/> Replace the disk. <input type="checkbox"/> Carry out the same operation again, making sure there is no vibration.

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Appendix/Anhang/Annexe

Specifications

Keyboard	88-key (A-1-C7), AE (Action Effect) keyboard
Touch Sensitivity	Hard, Medium, Soft
Tone Generator	Hi-Resolution AWM (Advanced Wave Memory)
Voice Selectors & Controls	53 Voices: Piano, Harpsi, Organ, Clavinova Tone, Vibes, Strings, Choir, Drums, Voice 9-53: Piano Bright, Piano Soft, E. Piano 1/2, Celesta, Marimba, Full Organ, Jazz Organ, Accordion, Harmonica, Guitar, Folk Guitar, Jazz Guitar 1/2, Rock Guitar 1/2, Mute Guitar, Banjo, Upright Bass, Upright Bass Soft, Elec. Bass, Elec. Bass Soft, Elec. Bass Heavy, Synth Bass, Violin, Violin Hard, Pizzicato, Harp, Timpani, Strings Soft, Synth Strings, Trumpet, Mute Trumpet, Horn, Brass, Pop Brass, Synth Brass, Saxophone, Saxophone Soft, Oboe, Clarinet, Flute, Synth Choir, Synth Wood, Synth Crystal
Polyphony	32 notes (Max.)
Reverb	Room, Hall 1/2, Cosmic
Play Mode	Normal, Dual
Rhythm Selector & Controls	Metronome, 6 Rhythms: 2 patterns in 4/4, 2 in 2/4, 2 in 3/4; Disk 1/2, Tempo ▼/▲, Beat LED, ►/■ START/STOP
Style Disk	40 ABC Patterns
Keyboard Percussion	44 Percussion Sounds
Disk Orchestra	Song Select, Guide, Guide Lamp, Lamp Cancel, Phrase Repeat, Rew ◀◀, FF ▶▶, Pause ■■, Song Number ▼/▲
Disk Drive & Controls	3.5" Micro Floppy Disk, Built-in 2DD 1M, Copy, Format
Performance Memory	10 tracks + Rhythm track: Right 1, Left 2, Orchestra 3-10, Rhythm, Record
Pedal Controls	3 Pedals: Damper (8-position), Soft, Sostenuto
Other Controls	Master Volume, Accompaniment Volume, LED Display, MIDI/Transpose, Power
Jacks & Connectors	Headphones x 2, AUX. OUT R and L/L+R, Optional IN R/L, MIDI IN/OUT/THRU
Main Amplifier	100W (50W x 2)
Speakers	18cm (5 1/8") x 2, 10cm (4") x 2, 5cm (2") x 2
Dimensions (W x D x H)	143.2 x 48.2 x 84.4cm (56 2/5" x 19" x 33 1/4")
Weight	79.0kg (174 lb. 2oz.)
Accessories	One-touch Music Stand, Sliding Wooden Key Cover
Demonstration Tunes	2 tunes
Finish	Dark Rosewood grain

Optional Accessories

- Chair BC-8
- Headphones (HPE-6 or HPE-160)
- Disk Orchestra Collection Titles
- Disk Orchestra Module DOM-30
- Disklavier PianoSoft

* Specifications are subject to change without notice.

Rhythm List/Liste der Rhythmen/Liste des rythmes

Panel Rhythms/Bedienfeld-Rhythmen/Rythmes de la face avant

Time	No.	Name	Tempo
2/4 or 4/4 time 1	1	4/4 variation 1	100
2/4 or 4/4 time 2	2	4/4 variation 2	100
2/4 or 4/4 time 3	3	2/4 variation 3	132
2/4 or 4/4 time 4	4	March	100
3/4 time 1	5	3/4 variation 1	120
3/4 time 2	6	3/4 variation 2	100

Rhythm Disk/Rhythmus-Diskette/Disquette de rythme

Basic Rhythms/
Grundrhythmen/
Rythmes de base

Time	No.	Name	Tempo
2/4 or 4/4 time	1	4/4 time 1	100
	2	4/4 time 2	100
	3	4/4 time 3	80
	4	2/4 time	120
	5	6/8 time 1	132
	6	6/8 time 2	200
	7	Polka	100
	8	March	120
	9	March 6/8	120
	10	Habanera	138
3/4 time	11	3/4 time 1	100
	12	3/4 time 2	100
	13	3/4 time 3	120
	14	Bolero	72
	15	Spanish 3/4 time	108

Popular Rhythms/
Populäre Rhythmen/
Rythmes populaires

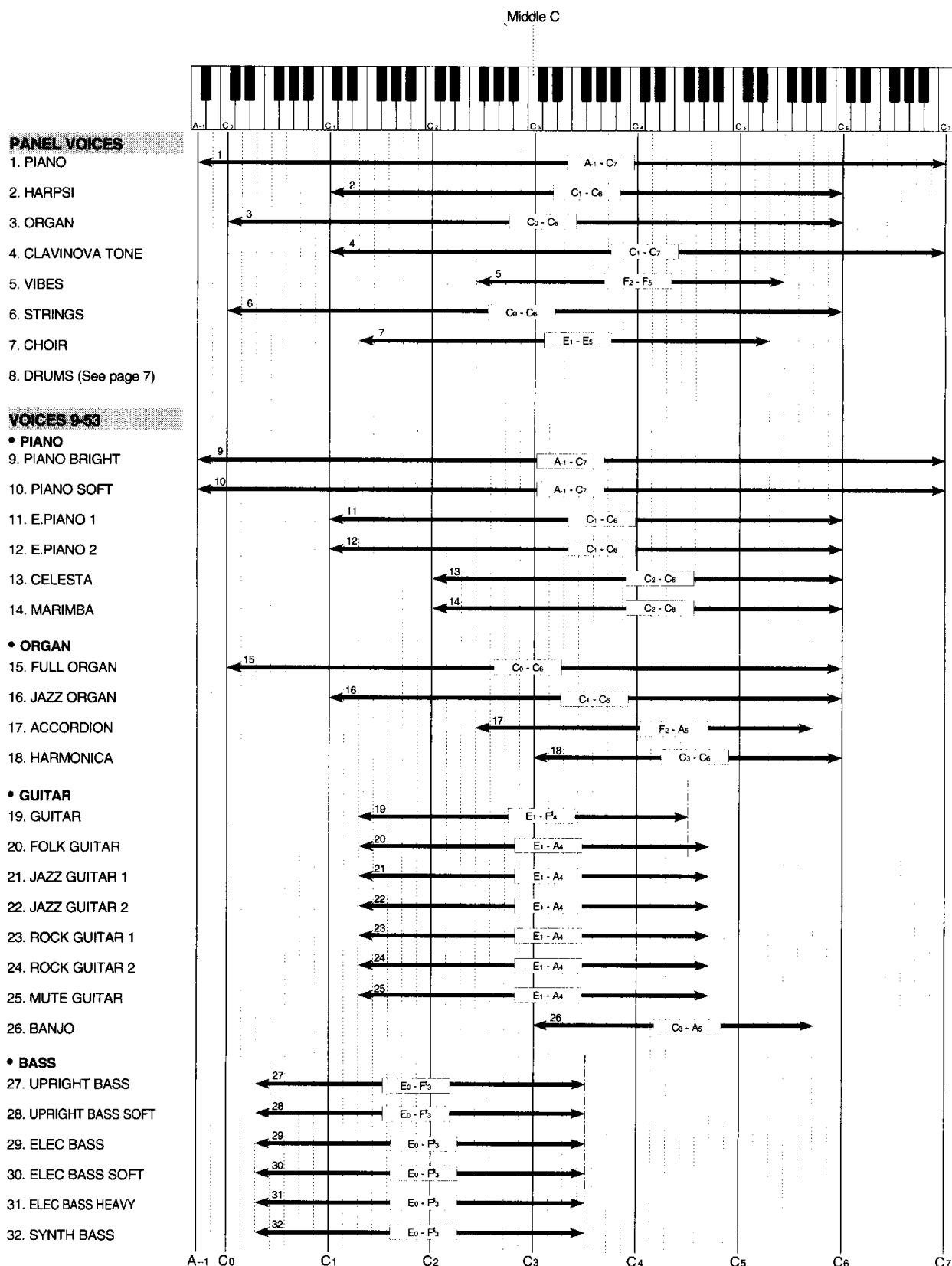
Genre	No.	Name	Tempo
Pop	16	8 Beat	100
	17	Rock'n'Roll	144
	18	16 Beat	120
	19	16 Beat Shuffle	100
	20	Disco	120
Latin	21	Rhumba	120
	22	Beguine	120
	23	Mambo	120
	24	Cha-Cha	132
	25	Calypso	120
	26	Tango	120
	27	Bossa Nova	120
	28	Samba	108
	29	Salsa	108
	30	Latin Rock	120
Jazz, etc.	31	Jazz Ballad	72
	32	2 Beat Swing	160
	33	Swing Jazz	160
	34	Modern Jazz	160
	35	Shuffle	132
	36	Boogie-woogie	144
	37	Rock-a-Ballad	80
Waltz	38	Waltz	120
	39	Bossa Waltz	120
	40	Jazz Waltz	160

Voice List and the Recommended Range for Each Voice/ Liste der Stimmen und empfohlener Bereich für jede Stimme/ Liste des voix et registre recommandé pour chaque voix

All of the Clavinova's voices have a optimum recommended range. If a voice is produced outside the recommended range, it may sound like a different instrument.

Alle Stimmen des Clavinova weisen einen optimalen, empfohlenen Bereich auf. Wenn eine Stimme außerhalb des empfohlenen Bereichs reproduziert wird, kann sie wie ein anderes Instrument klingen.

Toutes les voix du Clavinova ont un registre optimal. Si une voix est produite hors de ce registre, la sonorité produite pourra être celle d'un autre instrument.



• STRINGS/ORCH.

- 33. VIOLIN
- 34. VIOLIN HARD
- 35. PIZZICATO
- 36. HARP
- 37. TIMPANI
- 38. STRINGS SOFT
- 39. SY.STRINGS

• BRASS

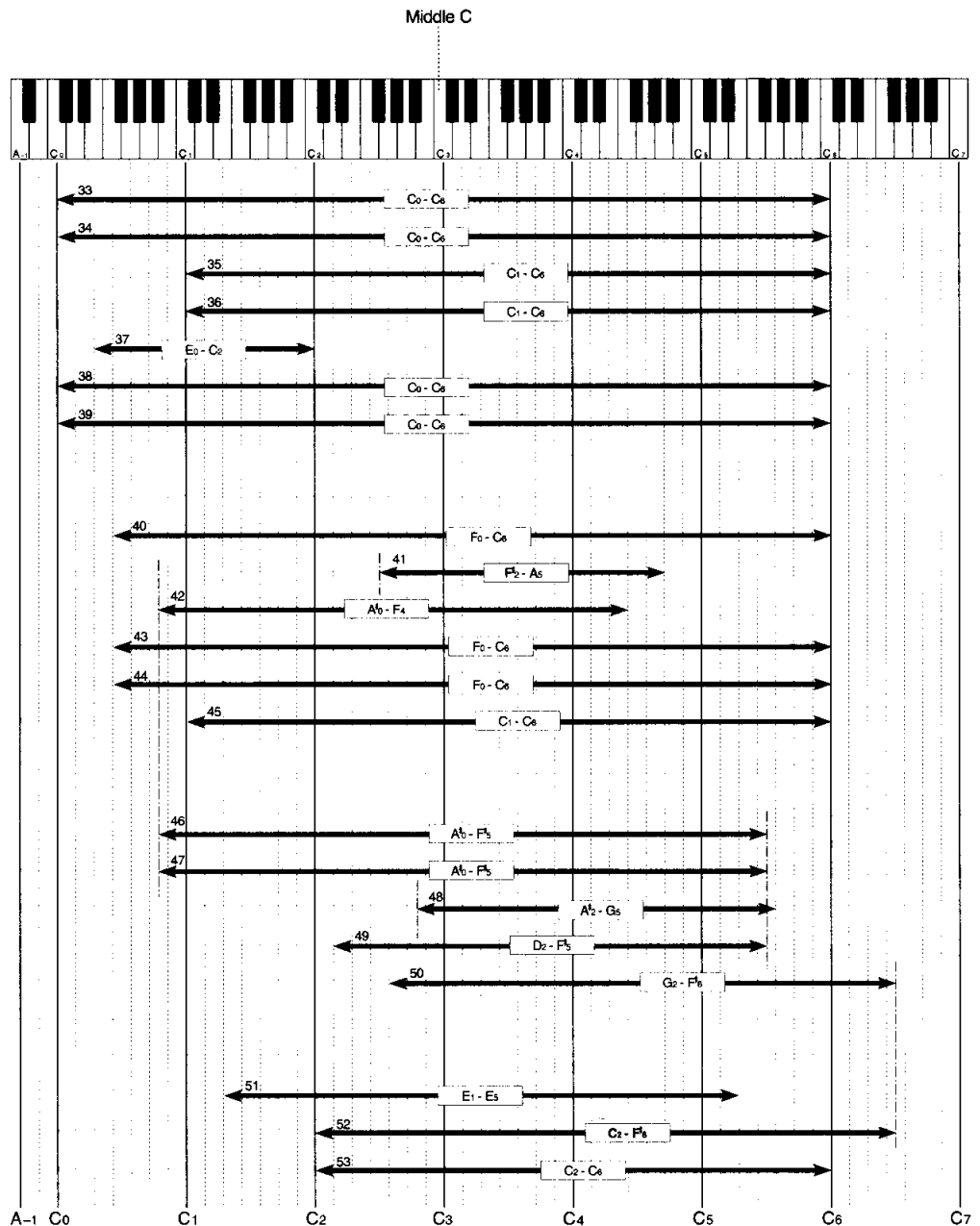
- 40. TRUMPET
- 41. MUTE TRUMPET
- 42. HORN
- 43. BRASS
- 44. POP BRASS
- 45. SY BRASS

• WOODWIND

- 46. SAX
- 47. SAX SOFT
- 48. OBOE
- 49. CLARINET
- 50. FLUTE

• SYNTHESIZER

- 51. SY.CHOIR
- 52. SY.WOOD
- 53. SY.CRYSTAL



- The lower range of voice number 33 VIOLIN sounds like cello and contra bass voices.
- Depending on the register, voice number 35 PIZZICATO sounds like a violin, a viola, a cello or a contra bass.
- The lower range of voice number 40 TRUMPET sounds like trombone and tuba voices.

- Der untere Bereich der Stimme Nummer 33, VIOLIN, klingt wie die Stimmen Cello und Kontrabaß.
- Die Stimme Nummer 35, PIZZICATO, klingt abhängig vom Register wie eine Violine, eine Bratsche, ein Cello oder ein Kontrabaß.
- Der untere Bereich der Stimme Nummer 40, TRUMPET, klingt wie die Stimmen Posaune und Tuba.

- Le registre le plus bas de la voix 33 VIOLIN produit une sonorité de violoncelle et de contrebasse.
- Selon le registre, la voix 35 PIZZICATO produit une sonorité de violon, de violoncelle ou de contrebasse.
- Le registre le plus bas de la voix 40 TRUMPET produit une sonorité de trombone et de tuba.

MIDI Data Format

Note ON/OFF

Data format: 9nH, kk, vv

9nH	Note ON/OFF event (n= Channel No.)
kk	Note No. (21~108=A-1~C7)
vv	Velocity (Key ON=1~127, Key OFF= 0)

Data format: 8nH, kk, vv

8nH	Note OFF data (n= Channel No.)
kk	Note No. (21~108=A-1~C7)
vv	Velocity (Key OFF=0~127, Velocity control is not carried out)

* Reception only.

Control Change

Data Format: BnH, cc, vv

BnH	Control event (n=Channel No.)
cc	Control No.
vv	Control value

66 (42H)	Sostenuto pedal *4	0~63: OFF (00H~3FH) 64~127: ON (40H~7FH)
67 (42H)	Soft pedal *4	0~63: OFF (00H~3FH) 64~127: ON (40H~7FH)
91 (5BH)	Reverb depth*5	0~127: 8 steps (00H~7FH)
121 (79H)	Reset All Controllers (Reception only)*6	0(00H)
122 (7AH)	Local Control (Reception only)*6	0(00H): OFF 127(7FH): ON
123 (7BH)	All Note OFF (Reception only)*6	0(00H)
124 (7CH)	OMNI OFF/All Note OFF (Reception only)*6	0(00H)
125 (7DH)	OMNI ON/All Note OFF (Reception only)*6	0(00H)

cc	Control	Value (vv)
1 (01H)	Modulation*1 (reception only)	0~127: 8 steps (00H~7FH)
7 (07H)	Volume*2	0(00H): -∞ 111(6FH): -3dB 127(7FH): ±0dB
10 (0AH)	Pan*3	0~31: Left 3 (00H~1FH) 32~47: Left 2 (20H~2FH) 48~63: Left 1 (30H~3FH) 64~71: Center (40H~47H) 72~79: Default (48H~4FH) 80~95: Right 1 (50H~5FH) 96~111: Right 2 (60H~6FH) 112~127: Right 3 (70H~7FH)
11 (0BH)	Expression (Reception only)	0(00H): -∞ 111(6FH): -3dB 127(7FH): ±0dB
64 (40H)	Damper pedal *4	0~63: OFF (00H~3FH) 64~127: ON (40H~7FH)

*1 Modulation

LFO speed is fixed for each voice.

*2 Volume

Hold down the MIDI/TRANSPOSE button and control the volume with the ACCOMPANIMENT volume control during transmission.

*3 Pan

Hold down the MIDI/TRANSPOSE button and press the RHYTHM ◀ or ▶ button and control the panning with the ACCOMPANIMENT volume control during transmission.

*4 Pedal

Outputs OFF with 0(00H) and ON with 127(7FH) during transmission.

*5 Reverb depth

Hold down the REVERB button and control the reverb depth with a white key between C2~C4, or hold down the REVERB button and control the reverb depth with the TEMPO button.

*6 No. 121 onwards are called Mode messages.

Program Change

Data Format: CnH, pp

CnH Program data (n=Channel No.)
pp Program No.

Panel Voice

Panel Voice No.	Voice	a)	b)	c)
1	PIANO	0	0	12
2	HARPSI	3	1	14
3	ORGAN	7	2	76
4	CLAVINOVA TONE	1	3	68
5	VIBES	4	4	16
6	STRINGS	6	5	8
7	CHOIR	8	6	42
8	DRUMS	11	7	126
9	PIANO BRIGHT	33	8	51
10	PIANO SOFT	34	9	48
11	E. PIANO 1	2	10	50
12	E. PIANO 2	35	11	13
13	CELESTA	37	12	15
14	MARIMBA	38	13	17
15	FULL ORGAN	27	14	10
16	JAZZ ORGAN	28	15	11
17	ACCORDION	22	16	7
18	HARMONICA	23	17	41
19	GIUITAR	5	18	24
20	FOLK GUITAR	39	19	53
21	JAZZ GUITAR 1	40	20	25
22	JAZZ GUITAR 2	41	21	72
23	ROCK GUITAR 1	42	22	26
24	ROCK GUITAR 2	43	23	69
25	MUTE GUITAR	44	24	70
26	BANJO	45	25	55
27	UPRIGHT BASS	9	26	28
28	UPRIGHT BASS SOFT	48	27	71
29	ELEC BASS	10	28	30
30	ELEC BASS SOFT	49	29	29
31	ELEC BASS HEAVY	50	30	78
32	SYNTH BASS	51	31	31
33	VIOLIN	25	32	9
34	VIOLIN HARD	26	33	75
35	PIZZICATO	46	34	56
36	HARP	47	35	57
37	TIMPANI	52	36	23
38	STRINGS SOFT	24	37	74
39	SY. STRINGS	31	38	45
40	TRUMPET	14	39	1
41	MUTE TRUMPET	15	40	40
42	HORN	16	41	2
43	BRASS	12	42	0
44	POP BRASS	13	43	73
45	SY BRASS	29	44	20
46	SAX	17	45	3
47	SAX SOFT	18	46	77
48	OBOE	20	47	5
49	CLARINET	19	48	4
50	FLUTE	21	49	6
51	SY. CHOIR	32	50	46
52	SY. WOOD	30	51	44
53	SY. CRYSTAL	36	52	22

The CLP-705 has the following three voice arrays.

- CVP compatible voice array
- Panel voice array
- Clavinova Common Voice array

The mode of the CLP-705 determines the voice array that is used.

- In Clavinova Common Voice Multi Timbre mode:
c) Clavinova Common Voice array is used.

In other modes:

- In Panel Voice Number mode: b) panel voice array
- In CVP compatible voice number mode: a) CVP compatible voice array.

Switching between the Panel Voice Number mode and the CVP Compatible Voice Number mode can be done only by the CLP-705. (Not possible with MIDI messages).

To select the Panel Voice array mode, hold down the PIANO button and press the MIDI/TRANPOSE button.

To select the CVP Compatible Voice array mode, hold down the PIANO button and press the MIDI/TRANPOSE button twice.

When the CLP-705 is initially turned on, the CVP Compatible Voice array mode is automatically set.

- * When recording to a disk with the Performance Memory, the CVP Compatible Voice array is used.
- * When a song recorded to a disk with the Performance Memory is converted to the Clavinova Common Voice, the Clavinova Common Voice array will be used.

Pitch Bend

Data Format: EnH, cc, dd

EnH Pitch Bender event (n=channel No.)
cc Least significant byte
dd Most significant byte

Receive only. The least significant byte is ignored. Pitch bend range is fixed to ± 3 semitones.

System Real Time Messages

Data Format: rr

rr Control
F8H Timing Clock*1
FAH Start
FCH Stop
FEH Active Sensing*2

- *1 Timing Clock Transmitted every 96 clocks. Received every 96 clocks during external clock.
- *2 Active Sensing Transmitted approximately every 200 milliseconds. If no data is received for more than 400 milliseconds, the CLP-705 will activate a NOTE OFF event.

System Exclusive Messages

Yamaha MIDI format

Data format: F0H, 43H, Xn, ff, F7H

43H Yamaha ID
Xn Sub-status + channel number.
ff Format number

X	ff	function
2	7CH	Panel data bulk dump request
2	7DH	Model ID code bulk dump request

Clavinova MIDI format

Data format: F0H, 43H, 73H, 2BH, yy, F7H

43H Yamaha ID
73H Clavinova ID
2BH CLP-705 ID
yy Sub-status

yy	function
02H	Internal clock
03H	External clock
13H	Multi Timbre OFF
14H	Common Voice Multi Timbre ON
15H	Multi Timbre ON
16H	Record Cancel
7nH	All Note OFF, Receive channel = n+1, OMNI OFF

Special control

Data format: F0H, 43H, 73H, 2BH, 11H, OnH, cc, vv, F7H

43H Yamaha ID
73H Clavinova ID
2BH CLP-705 ID
11H Clavinova special control
OnH Control MIDI Change + Channel number
cc Control number
vv Value

cc	Control	Value (vv)
08H	Dual balance	00H~7FH: 16 steps
13H	Intro mode	00H: OFF 01H: ON
15H	Rhythm number	vvH: Rhythm number
19H	Accompaniment volume	vvH: Volume value
1BH	Metronome ON/OFF	00H: OFF 01H: ON
26H	Touch sensitivity	00H: Medium 01H: Soft 02H: Hard
59H	Reverb type	00H: OFF 01H: ROOM 02H: HALL 1 03H: HALL 2 04H: COSMIC

5AH	Dual ON/OFF	00H: Dual OFF 01H: Dual ON
5CH	Dual Voice	vv: Voice for Dual Voice
5DH	Pedal function	00H: Soft pedal 02H: Start/Stop

Panel data send format

F0H, 43H, 0nH, 7CH, 00H, 22H (n=channel number)
53H, 4BH, 20H, 20H (SK)
43H, 4CH, 50H, 37H, 30H, 35H (CLP-705)
3xH, 3yH (x, y=version number)
[Panel data]
[Check sum (1 byte)]=0-(53H+4BH+20H+.....+Data end)
F7H

Panel data items

- Voice number
- Sound volume played on the keyboard
- Rhythm number
- Tempo (absolute value most significant byte)
- Tempo (absolute value least significant byte)
- Accompaniment volume
- Dual ON/OFF
- Dual voice number
- Dual volume balance
- Reverb
- Reverb depth
- Pedal functions
- Metronome ON/OFF
- Pan

Model ID code send format

F0H, 43H, 0nH, 7DH, 00H, 10H (n=channel number)
53H, 4BH, 20H, 20H (SK)
43H, 4CH, 50H, 37H, 30H, 35H (CLP-705)
3xH, 3yH, 20H, 20H, 20H (x,y=version number)
[Check sum (1 byte)]=0-(53H+4BH+20H+.....+20H)
F7H

Multi Timbre mode/Clavinova Common Voice Multi Timber mode

MIDI channel

Channel parts

- Right 1/Track 1
- Left 2/Track 2
- ORCH 3/Track 3
-
- ORCH 10/Track 10
- *1 Rhythm/Track 15
- Control data

*1: If a Program Change message is received over channel 15 it is regarded as rhythm number change data.

MIDI Implementation Chart

YAMAHA [Clavinova]
Model CLP-705

MIDI Implementation Chart

Date : 03/27/1993
Version : 1.0

Function	Transmitted	Recognized	Remarks	
Basic Channel	Default Changed	1 1 - 16	1 1 - 16	
Mode	Default Messages	3 X *****	1 OMNI on, OMNI off X	
Note Number	: True voice	21 - 108 *****	21 - 108 21 - 108	
Velocity	Note on Note off	<input type="radio"/> 9nH, v = 1 - 127 <input checked="" type="radio"/> 9nH, v = 0	<input type="radio"/> v = 1 - 127 <input checked="" type="radio"/>	
After Touch	Key's Ch's	X X	X X	
Pitch Bender		<input type="radio"/>	<input type="radio"/>	7bit reso, 3 semi
Control Change	01 07 10 11 64 66 67 91 121	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	Modulation Volume Pan pot Expression Damper Sostenuto Soft Pedal Reverb Depth Reset All Controllers *1
Program Change	: True #	<input type="radio"/> 0 - 52 *****	<input type="radio"/> 0 - 52 0 - 52	*2
System Exclusive		<input type="radio"/>	<input type="radio"/>	
System Common	: Song Pos : Song Sel : Tune	X X X	X X X	
System Real Time	: Clock : Commands	<input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/>	
Aux Messages	: Local ON/OFF : All Notes OFF : Active Sense : Reset	X X <input type="radio"/> X	<input type="radio"/> <input type="radio"/> (123-125) *1 <input type="radio"/> X	

Notes: *1: (121, 123) can be used only when OMNI is off or in Multi-Timbre mode.

*2: Excluding Clavinova Common Voice Multi-Timbre mode

Mode 1: OMNI ON, POLY
Mode 3: OMNI OFF, POLY

Mode 2: OMNI ON, MONO
Mode 4: OMNI OFF, MONO

: Yes
 : No

YAMAHA
YAMAHA CORPORATION