

YAMAHA *Clavinova*®

CVP-30

**Owner's Guide
Bedienungsanleitung
Manuel d'instructions
Manual del Propietario**

IMPORTANT

Check your power supply

Make sure that your local AC mains voltage matches the voltage specified on the name plate on the bottom panel. In some areas a voltage selector may be provided on the rear panel of the main keyboard unit. Make sure that the voltage selector is set for the voltage in your area.

WICHTIG

Überprüfung der Stromversorgung

Sicherstellen, daß die örtliche Netzspannung den Betriebsspannungswerten entspricht, die in die Plakette auf der Unterseite des Keyboards eingetragen sind. Für manche Bestimmungsländer ist das Keyboard mit einem Spannungswähler auf der Rückseite ausgerüstet. Darauf achten, daß der Spannungswähler auf die örtliche Netzspannung eingestellt ist.

IMPORTANT

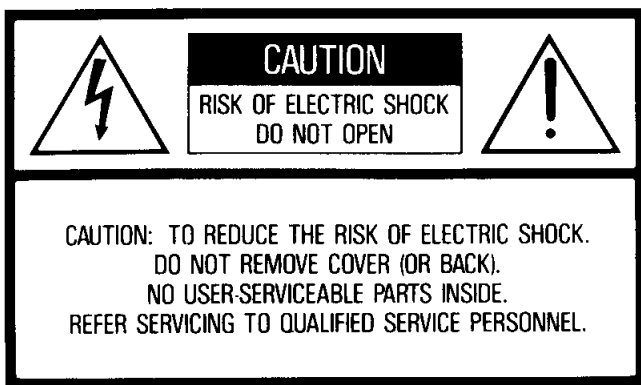
Contrôler la source d'alimentation

S'assurer que la tension secteur locale correspond à la tension indiquée sur la plaque d'identification située sur le panneau inférieur. Les modèles destinés à certaines régions peuvent être équipés d'un sélecteur de tension situé sur la plaque d'identification, sur le panneau arrière du clavier. Vérifier que le sélecteur est bien réglé pour la tension secteur utilisée.

IMPORTANTE

Verifique la alimentación de corriente

Asegúrese de que el voltaje local de CA concuerde con el especificado en la placa de identificación del panel inferior. En algunas áreas, la unidad viene provista de un selector de voltaje en el panel posterior de la unidad de teclado principal. Asegúrese de que este selector esté en la posición correspondiente al voltaje de su área.



See bottom of keyboard enclosure for graphic symbol markings

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



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



IMPORTANT SAFETY AND INSTALLATION INSTRUCTIONS

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

WARNING—When using electronic products, basic precautions should always be followed, including the following:

1. Read all Safety and Installation Instructions, Explanation of Graphical Symbols, and assembly instructions (where applicable) BEFORE using your Yamaha electronic product. Check unit weight specifications before you attempt to move this instrument!

2. Main Power Supply Verification: Your Yamaha electronic product has been manufactured specifically for the main supply voltage used in your area. If you should move, or if any doubt exists, please contact your dealer for instructions. The main supply voltage required by your electronic product is printed on the name plate. For name plate location, see "PREPARATION" item.

3. This product may be equipped with a polarized line plug (one blade wider than the other). If you are unable to insert the plug into the outlet, contact an electrician to have your obsolete outlet replaced. Do NOT defeat the safety purpose of the plug. Yamaha products not having polarized plugs incorporate construction methods and designs that do not require line plug polarization.

4. **WARNING**—Do NOT place objects on your electronic product's power cord or place the unit in a position where anyone could trip over, walk over, or roll anything over cords of any kind. Do NOT allow your electronic product or its bench to rest on or be installed over cords of any type. Improper installations of this type create the possibility of a fire hazard and/or personal injury.

5. Environment: Your electronic product should be installed away from heat sources such as a radiator, heat registers and/or other products that produce heat. Additionally, the unit should not be located in a position that exposes the cabinet to direct sunlight, or air currents having high humidity or heat levels.

6. Your Yamaha electronic product should be placed so that its location or position does not interfere with its proper ventilation.

7. Some Yamaha electronic products may have benches that are either a part of the product or supplied as an optional accessory. Some of these benches are designed to be dealer assembled. Please make sure that the bench is stable before using it. The bench supplied by Yamaha was designed for seating only. No other uses are recommended.

8. Some Yamaha electronic products can be made to operate with or without the side panels or other components that constitute a stand. These products should be used only with the components supplied or a cart or stand that is recommended by the manufacturer.

9. 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.

10. Do not use your Yamaha electronic product near water or in wet environments. For example, near a swimming pool, spa, or in a wet basement.

11. Care should be taken so that objects do not fall, and liquids are not spilled, into the enclosure through openings.

12. Your Yamaha electronic product should be serviced by a qualified service person when:

- The power-supply cord or plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the product; or
- The product has been exposed to rain; or
- The product does not operate, exhibits a marked change in performance; or
- The product has been dropped, or the enclosure of the product has been damaged.

13. When not in use, always turn your Yamaha electronic product "OFF". The power-supply cord of the product should be unplugged from the outlet when it is to be left unused for a long period of time. Notes: In this case, some units may lose some user programmed data. Factory programmed memories will not be affected.

14. Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.

15. Electromagnetic Interference (RFI). This series of Yamaha electronic products utilizes digital (high frequency pulse) technology that may adversely affect Radio/TV reception or the operation of other devices that utilize digital technology. Please read FCC Information (Page 74) for additional information.

PLEASE KEEP THIS MANUAL
FOR FUTURE REFERENCE!

INTRODUCTION

Thank you for choosing a Yamaha CVP-30 Clavinova. Your Clavinova is a fine musical instrument that employs advanced Yamaha music technology. With the proper care, your Clavinova will give you many years of musical pleasure.

- Yamaha's sophisticated AWM (Advanced Wave Memory) tone generator system offers 22 rich, vibrant, digitally sampled instrument voices, plus 32 rhythm sounds.
- A full-size 88-key keyboard and 16-note polyphony permit use of the most sophisticated playing techniques.
- Piano-like touch response provides extensive expressive control and outstanding playability.
- A number of built-in digital reverb effects for wide-ranging sonic expression.
- A versatile range of performance functions including Solo Styleplay, Piano ABC, Keyboard Percussion, a 3-bank Performance Memory, and more.
- MIDI compatibility and a range of MIDI functions make the Clavinova useful in a range of advanced MIDI music systems

VORWORT

Vielen Dank für den Kauf des Yamaha Clavinovas CVP-30. Ihr Clavinova stellt ein hochwertiges Musikinstrument dar, das auf der überlegenen Yamaha Musik-Technologie basiert. Bei angemessener Pflege wird Ihnen Ihr Clavinova über viele Jahre ungetrübten Spielgenuß bieten.

- Das überlegene Yamaha AWM-Tonerzeugungssystem, das mit gespeicherten digitalen Wellensamples arbeitet, bietet Ihnen 22 realistische, klangvolle Instrumentstimmen und 32 aufregende Rhythmusklänge.
- Das ausgewachsene 88-Tastenmanual und die 16-notige Polyphonie erlauben selbst komplizierteste Spieltechniken.
- Die klavierähnliche Anschlagsdynamik ermöglicht feinste Nuancierung des musikalischen Ausdrucks und gewährt eine natürliche Anschlagsansprache.
- Integrierte digitale Reverb-Effekte dienen zum Beleben des Klangbilds.
- Vielseitige Spielfunktionen und Merkmale wie Solo- und Auto-Begleitfunktion, Schlagzeugfunktion sowie drei Wiedergabespeicher usw. bieten umfangreiche kreative Möglichkeiten.
- Dank der MIDI-Kompatibilität und der zahlreichen MIDI-Funktionen läßt sich das Clavinova problemlos in komplexe MIDI-Musiksysteme eingliedern.

INTRODUCTION

Nous vous remercions d'avoir choisi le Clavinova Yamaha CVP-30. Le Clavinova est un instrument de musique perfectionné faisant appel aux innovations les plus récentes de la technologie musicale mise au point par Yamaha. Si vous utilisez votre Clavinova avec le soin qui convient, il vous donnera de grandes satisfactions pendant de longues années.

- Le système générateur de sons AWM (de l'anglais Advanced Wave Memory) sophistiqué de Yamaha vous offre 22 voix instrumentales, riches et vibrantes, échantillonnées numériquement et 32 sonorités rythmiques.
- Un clavier à 88 touches avec polyphonie à 16 notes permet d'utiliser des techniques d'exécution extrêmement complexes.
- Une réponse au toucher similaire à celle d'un piano vous permet un plus grand contrôle de l'expression et vous offre des possibilités d'exécution remarquable.
- Un certain nombre d'effets de réverbération numériques incorporés offrent une variété d'expressions sonore extraordinaires.
- Une grande diversification de fonction d'exécution, dont Solo Styleplay, Piano ABC, Percussion clavier, une mémoire de performance à 3 banques, et bien plus encore.
- La compatibilité MIDI et toute une série de fonctions MIDI permettent d'utiliser le Clavinova dans de très nombreux systèmes musicaux MIDI.

INTRODUCCION

Gracias por su elección de la Yamaha Clavinova CVP-30. Su Clavinova es un instrumento musical de calidad que emplea la avanzada tecnología musical de Yamaha. Con un trato adecuado, le brindará muchos años de satisfacciones musicales.

- El sofisticado sistema generador de tonos AWM (Advanced Wave Memory, o Memoria Avanzada de Onda) de Yamaha ofrece 22 ricos y vibrantes sonidos de teclado muestreados digitalmente, más 32 sonidos de ritmo.
- El teclado de 88 teclas con polifonía de 16 notas permite el uso de avanzadas técnicas de interpretación.
- Una respuesta al toque similar a la del piano brinda amplio control expresivo y notable facilidad de ejecución.
- Variedad de efectos digitales de reverberación incorporados, ampliando sus posibilidades expresivas.
- Versátiles funciones de interpretación, incluyendo acompañamiento armónico, piano ABC, percusión por teclado y una memoria musical de 3 bancos, entre otras.
- Su compatibilidad con el sistema MIDI, y sus variadas funciones MIDI, hacen de la Clavinova un útil componente en cualquier sistema musical MIDI avanzado.

CONTENTS

ASSEMBLY	4
CVP-30 CONTROLS & CONNECTORS	8
Control Panel	8
Rear/Front Panel	8
Internal	9
PRECAUTIONS	10
PREPARATION	10
Check your power supply	10
The music stand	10
PLAYING THE CLAVINOVA	10
Using the Digital Reverb Effects	11
Using the Pedals	11
Selecting a Separate Lower Keyboard Voice	11
TRANSPONITION	11
PITCH CONTROL	12
RHYTHM	12
The RHYTHM VOLUME Control	12
Selecting Rhythm Patterns	12
Starting and Stopping the Selected Rhythm	13
Tempo Control	13
Adding Fill-ins	13
SYNCHRO START Operation	13
KEYBOARD PERCUSSION	14
PIANO ABC	14
Single-finger Accompaniment	14
Playing Minor, Seventh, and Minor-seventh Chords in the Single-finger Mode	14
Fingered Accompaniment	15
Selecting Different Bass and Chord Voices	15
SOLO STYLEPLAY	16
Selecting a Different Rhythm, Bass Voice or Chord Voice	16
PERFORMANCE MEMORY	16
Recording	16
Recording a New Track	16
Memory Capacity, Display and Backup	17
Playback	17
REGISTRATION MEMORY	17
Memory Store	17
Recall	17
MIDI FUNCTIONS	18
A Brief Introduction to MIDI	18
MIDI "Messages" Transmitted & Received by the Clavinova	18
MIDI Transmit & Receive Channel Selection	19
Local Control ON/OFF	19
Program Change ON/OFF	19
Control Change ON/OFF	19
The Multi-Timbre Mode	20
A Multi-Timbre Mode Example	20
The Split Send Mode	20
MIDI Clock Select	21
Panel Data Send	21
Bulk Data Dump	21
MIDI Specifications for Other Equipment	21
TROUBLESHOOTING	21
OPTIONS & EXPANDER MODULES	21
MIDI DATA FORMAT	22
SPECIFICATIONS	72

INHALTSVERZEICHNIS

MONTAGE	4
BEDIENELEMENTE & ANSCHLÜSSE DES CVP-30	24
Bedienungskonsole	24
Rück/Vorderseite	24
Internes Verstärker/Lautsprechersystem	25
VORSICHTSMASSNAHMEN	26
VORBEREITUNG	26
Überprüfung der Stromversorgung	26
Notenständer	26
SPIELEN AUF DEM CLAVINOVA	26
Einsatz der digitalen Halleffekte	27
Einsatz der Pedale	27
Manualeilung und Wahl einer Stimme für den linken Manualbereich	27
TRANSPONIERUNG	27
STIMMFUNKTION	28
RHYTHMUS	28
Der RHYTHM VOLUME-Regler	28
Rhythmuswahl	28
Starten und Stoppen eines gewählten Rhythmus	29
Temporegelung	29
Hinzufügen von Fill-ins	29
Synchron-Start	29
DRUMS-Funktion	30
PIANO ABC-BEGLEITFUNKTION	30
Einfinger-Begleitung	30
Anschlagen von Moll-, Septimen- und Moll- Septimenakkorden in der Einfinger-Betriebsart	30
Auto-Begleitung mit normalem Finger-Akkordspiel	31
Wahl von anderen Stimmen für Baß und Akkorde	31
SOLO STYLEPLAY-FUNKTION	32
Wählen von anderen Rhythmen und Stimmen für Baß- und Akkorde	32
WIEDERGABESPEICHER	32
Aufzeichnung	32
Aufzeichnen einer neuen Spur	33
Speicherkapazität, Display und Datenerhalt	33
Wiedergabe	33
EINSTELLUNGSSPEICHER	33
Speichern der Einstellungen	33
Speicherabruf	33
MIDI-FUNKTIONEN	34
Eine kurze Einführung in MIDI	34
Vom Clavinova übertragene und empfangene MIDI- Meldungen	34
Wahl des MIDI-Sende/Empfangskanals	35
Lokalsteuerung AN/AUS	35
Programmwechselfeldung AN/AUS	35
Steuerelement AN/AUS	35
Die Multi-Timbre-Betriebsart	36
Beispiel für Multi-Timbremodus	36
Sendemodus für Manualeilung	36
MIDI-Taktgeberwahl	37
Einstelldatenübertragung	37
Datenblockabwurf	37
MIDI-Daten für andere Geräte	37
FEHLERSUCHE	37
SONDERZUBEHÖR UND EXPANDERMODULE	37
MIDI-DATENFORMAT	38
TECHNISCHE DATEN	72

TABLE DES MATIERES

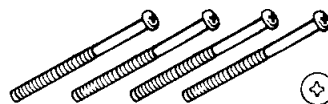
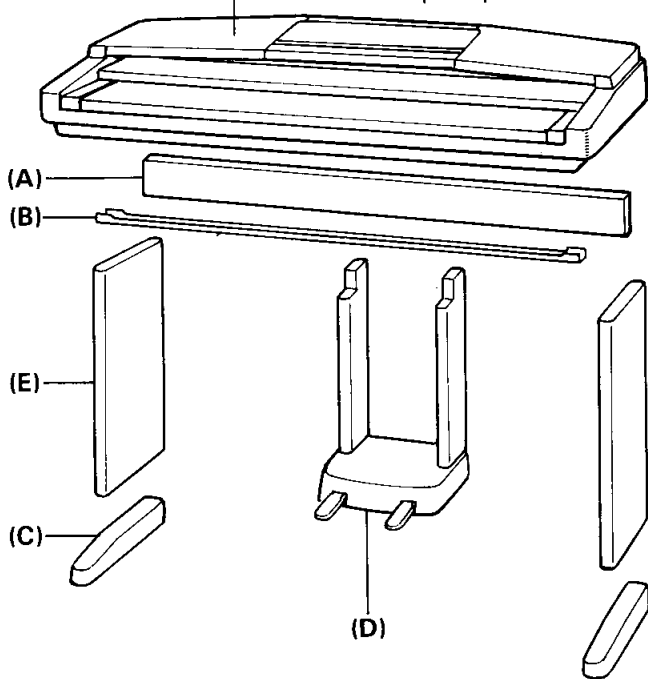
MONTAGE	5
COMMANDES ET CONNECTEURS DU CVP-30	40
<i>Panneau de commande</i>	40
<i>Face avant/Face arrière</i>	40
<i>Intérieur</i>	41
PRECAUTIONS	42
PREPARATIFS	42
<i>Contrôler la source d'alimentation</i>	42
<i>Pupitre</i>	42
EXECUTION SUR LE CLAVINOVA	42
<i>Utilisation des effets de réverbération</i>	43
<i>Utilisation des pédales</i>	43
<i>Sélection d'une voix indépendante clavier bas</i> <i>(LOWER VOICE)</i>	43
<i>TRANSPOSITION</i>	43
<i>REGLAGE DE LA HAUTEUR</i>	44
RYTHME	44
<i>La commande RHYTHM VOLUME</i>	44
<i>Sélection des patterns rythmiques</i>	44
<i>Début et arrêt du rythme sélectionné</i>	45
<i>Réglage du tempo</i>	45
<i>Addition de fill-ins</i>	45
<i>Fonction SYNCHRO-START</i>	45
PERCUSSION CLAVIER	46
PIANO ABC	46
<i>Accompagnement à un seul doigt (SINGLE FINGER)</i>	46
<i>Exécution d'accords mineur, septième et septième</i> <i>mineure en mode SINGLE FINGER</i>	46
<i>Accompagnement à plusieurs doigts (FINGERED)</i>	47
<i>Sélection de voix de basse et d'accord différentes</i>	47
SOLO STYLEPLAY	48
<i>Sélection d'une voix de basse, d'une voix d'accord</i> <i>ou d'un rythme différent</i>	48
MEMOIRE DE PERFORMANCE	48
<i>Enregistrement</i>	48
<i>Enregistrement d'une nouvelle piste</i>	49
<i>Capacité, affichage et conservation de la mémoire</i>	49
<i>Reproduction</i>	49
MEMOIRE DE REGLAGE (REGISTRATION)	49
<i>Introduction en mémoire</i>	49
<i>Rappel</i>	49
FONCTIONS MIDI	50
<i>Quelques mots sur l'interface MIDI</i>	50
<i>"Messages" MIDI transmis et reçus par le</i> <i>Clavinova</i>	50
<i>Sélection des canaux MIDI de transmission et de</i> <i>réception</i>	51
<i>Activation/Désactivation de commande locale</i>	51
<i>Activation/Désactivation de changement de</i> <i>programme</i>	51
<i>Activation/Désactivation de changement de</i> <i>commande</i>	52
<i>Mode multitimbre</i>	52
<i>Un exemple d'utilisation du mode multitimbre</i>	52
<i>Mode de transmission split</i>	53
<i>Sélection d'horloge MIDI</i>	53
<i>Transmission des réglages de panneau</i>	53
<i>Transmission de données en bloc</i>	53
<i>Spécification MIDI d'autres appareils</i>	53
DEPISTAGE DES PANNES	54
OPTIONS ET MODULES EXPANDEURS	54
FORMAT DES DONNEES MIDI	54
SPECIFICATIONS	72

INDICE

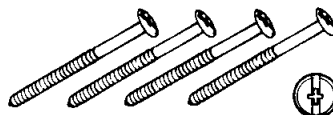
MONTAJE	5
CONTROLES Y CONECTORES	56
<i>Panel de control</i>	56
<i>Panel trasero/delantero</i>	56
<i>Interior</i>	57
PRECAUCIONES	58
PREPARACION	58
<i>Verifique la alimentación de corriente</i>	58
<i>El atril</i>	58
TOCANDO LA CLAVINOVA	58
<i>Uso de los efectos digitales de reverberación</i>	59
<i>Empleo de los pedales</i>	59
<i>Asignando una voz distinta al sector inferior del</i> <i>teclado</i>	59
<i>TRANSPOSICION</i>	59
<i>CONTROL DE ALTURA</i>	60
RITMO	60
<i>El control RHYTHM VOLUME</i>	60
<i>Selección de figuras rítmicas</i>	60
<i>Cómo iniciar y detener la reproducción del ritmo</i> <i>seleccionado</i>	61
<i>Control del tempo</i>	61
<i>Agregado de rellenos</i>	61
<i>La operación de comienzo sincronizado</i>	61
PERCUSION POR TECLADO	62
PIANO ABC	62
<i>Acompañamiento con un solo dedo</i>	62
<i>Tocando acordes menores, séptima y menor séptima</i> <i>en el modo de un solo dedo</i>	62
<i>Acompañamiento digitado</i>	63
<i>Seleccionando distintas voces de contrabajo y</i> <i>acordes</i>	63
ACOMPAÑAMIENTO ARMONICO	64
<i>Cambiando el ritmo, la voz de contrabajo o la voz de</i> <i>acordes</i>	64
MEMORIA MUSICAL	64
<i>Grabación</i>	64
<i>Grabación de una nueva pista</i>	64
<i>Capacidad, visualización y apoyo de la memoria</i>	65
<i>Reproducción</i>	65
MEMORIA DE REGISTRO	65
<i>Almacenamiento</i>	65
<i>Recuperación</i>	65
FUNCIONES MIDI	66
<i>Una breve introducción al sistema MIDI</i>	66
<i>"Mensajes" MIDI transmitidos y recibidos por la</i> <i>Clavinova</i>	66
<i>Selección de canales de transmisión y recepción</i> <i>MIDI</i>	67
<i>Activación y desactivación del control local</i>	67
<i>Activación y desactivación del cambio de programa</i>	67
<i>Activación y desactivación del cambio de control</i>	67
<i>El modo de timbres múltiples</i>	68
<i>Aplicación del modo de timbres múltiples</i>	68
<i>El modo de transmisión separada</i>	68
<i>Selección de reloj MIDI</i>	69
<i>Transmisión de datos del panel</i>	69
<i>Vaciado total de datos</i>	69
<i>Especificaciones MIDI para otros equipos</i>	69
ALGUNOS PROBLEMAS TÍPICOS Y COMO SOLUCIONARLOS	69
ACCESORIOS OPCIONALES Y MODULOS DE EXPANSION	69
FORMATO DE LOS DATOS MIDI	70
ESPECIFICACIONES	72

1

- Main keyboard unit
- Keyboard
- Clavier
- Unidad principal de teclado



- Long gold-colored screws x 4
- Lange goldfarbene Schrauben x 4
- Vis longues dorées x 4
- Tornillos largos dorados x 4



- Long black-colored screws x 4
- Lange schwarze Schrauben x 4
- Vis longues noires x 4
- Tornillos largos negros x 4



- Screws x 2
- Schrauben x 2
- Vis x 2
- Tornillos x 2



- Screws x 6
- Schrauben x 6
- Vis x 6
- Tornillos x 6



- Screws x 4
- Schrauben x 4
- Vis x 4
- Tornillos x 4



- Short screws x 2
- Kurze Schrauben x 2
- Vis courtes x 2
- Tornillos cortos x 2



- Joint connectors x 8
- Verbindungsstücke x 8
- Dispositifs d'assemblage x 8
- Juntas x 8



- Plastic caps x 4
- Plastikkappen x 4
- Capuchons en plastique x 4
- Tapas plásticas x 4

ASSEMBLY

Note: We do not recommend attempting to assemble the CVP-30 alone. The job can be easily accomplished, however, with only two people.

1 Open the box and remove all the parts.

On opening the box you should find the parts shown in the illustration above. Check to make sure that all the required parts are provided.

2 Assemble the side panels (E) and feet (C).

Install the joint connectors in side panels (E) as shown in the illustration, then secure the feet (C) to the side panels (E) with the long gold-colored screws ①. Once secure, push in the plastic caps provided.

* When installing the joint connectors in the holes in the side panels (E), make sure that they are rotated to the position shown in the illustration.

3 Attach the side panels (E) to the center panel (A).

Install four joint connectors in the holes provided in the center panel (A), and attach to the side panels (E) using the four long black-colored screws ② as shown in the illustration.

4 Attach front bracket (B) between side panels (E).

Attach the long black metal bracket (B) to the corresponding brackets on the side panels using two short screws ⑥, as shown in the illustration. The flanged edges of bracket (B) should face upwards.

MONTAGE

Hinweis: Wir raten davon ab, die Montage und Aufstellung des CVP-30 alleine auszuführen. Zwei Personen können das CVP-30 jedoch problemlos zusammenbauen und aufstellen.

1 Versandkarton öffnen und alle Teile auspacken.

Der Karton sollte all die in der obigen Abbildung gezeigten Teile enthalten. Vergewissern Sie sich, daß alle benötigten Teile vorhanden sind.

2 Die Standbeine (E) und Füße (C) verschrauben.

Entsprechend der Abbildung die Verbindungsstücke in die Standbeine (E) einsetzen. Dann die Füße (C) mit Hilfe der goldfarbenen langen Schrauben ① an den Standbeinen (E) anschrauben. Nach dem Festziehen der Schrauben die mitgelieferten Plastikkappen auf die Schraublöcher aufsetzen.

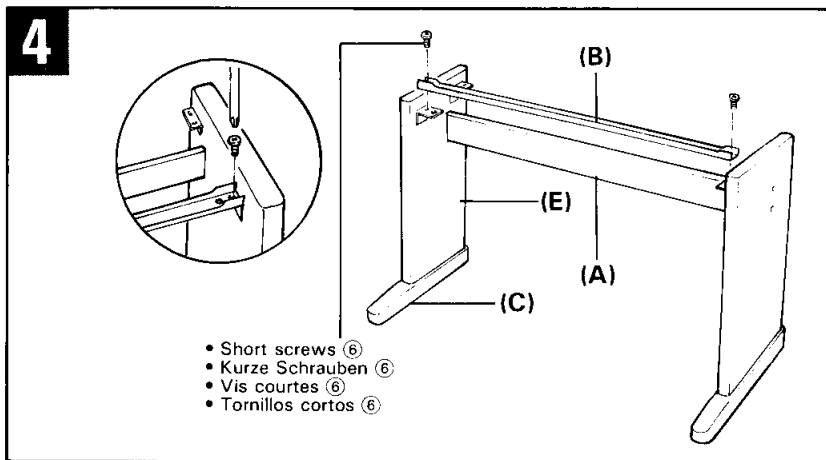
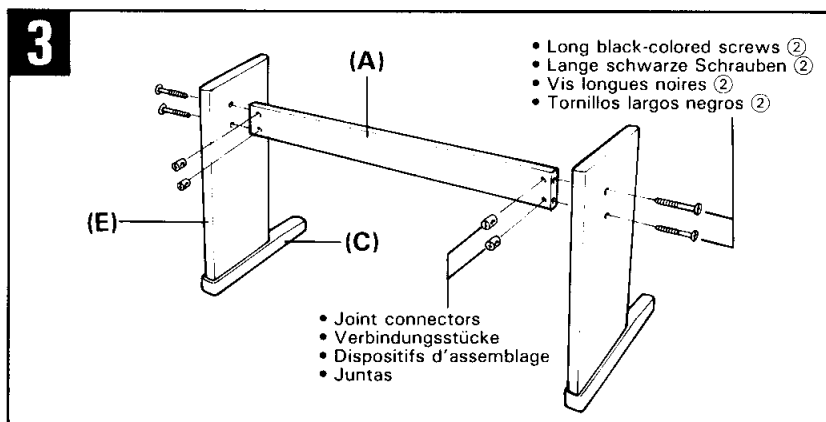
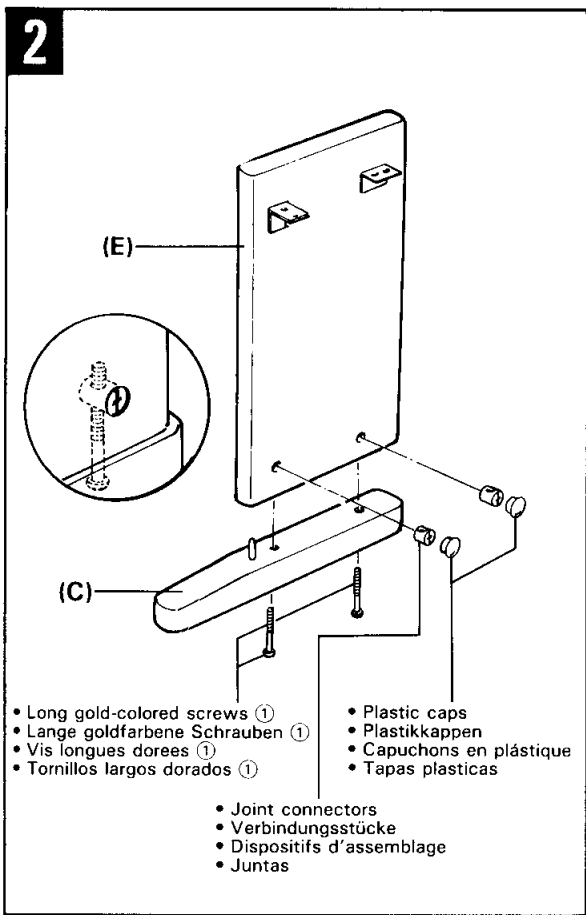
* Beim Einsetzen der Verbindungsstücke in die Standbeine (E) sicherstellen, daß sie in die Position gedreht sind, wie in der Abbildung gezeigt.

3 Die Standbeine (E) mit dem Auflagebrett (A) verschrauben.

Die vier Verbindungsstücke in die Löcher in der Rückwand (A) einsetzen. Dann die beiden Standbeine (E) entsprechend der Abbildung mit Hilfe der schwarzen Schrauben ② am Auflagebrett (A) anschrauben.

4 Die Strebe (B) zwischen den Standbeinen anbringen.

Gemäß der Abbildung die lange schwarze Metallstrebe (B) an den entsprechenden Halterungen der Standbeine mit zwei kurzen schwarzen Schrauben anbringen. Die Flanschenden der Strebe (B) sollten dabei nach oben weisen.



MONTAGE

Remarque: Nous ne vous conseillons pas d'essayer d'assembler le Clavinova seul. Toutefois, ce travail peut être facilement exécuté par deux personnes.

1 Ouvrir le carton et retirer toutes les pièces

Les pièces indiquées sur l'illustration devraient toutes se trouver dans le carton. Vérifier qu'il n'en manque aucune.

2 Monter les panneaux latéraux (E) sur les pieds (C)

Poser les dispositifs d'assemblage sur les panneaux latéraux (E) de la manière illustrée, puis fixer les pieds (C) aux panneaux latéraux (E) à l'aide des vis longues dorées ①. Une fois les vis posées, placer les capuchons en plastique fournis.

* Lors de la pose des dispositifs d'assemblage dans les trous des panneaux latéraux (E), veiller à les diriger dans le sens indiqué sur l'illustration.

3 Fixer les panneaux latéraux (E) au panneau central (A)

Poser de la manière illustrée les quatre dispositifs d'assemblage dans les trous du panneau central (A) et fixer les panneaux latéraux (E) à l'aide des quatre vis longues de couleur noire ②.

4 Fixer les quatre supports avant (B) entre les panneaux latéraux (E)

Fixer de la manière illustrée les quatre supports métalliques longs (B) aux ferrures correspondantes des panneaux latéraux à l'aide de deux vis courtes ⑥. Le bord recourbé des supports (B) doit être dirigé vers le haut.

MONTAJE

Nota: No le aconsejamos intentar armar el CVP-30 solo. Este trabajo puede realizarse fácilmente entre dos personas.

1 Abra la caja y extraiga todas las partes.

En la caja deberá encontrar las partes mostradas en la ilustración de arriba. Confirme que todas las partes necesarias estén incluidas.

2 Una los paneles laterales (E) con las patas (C).

Coloque las juntas en los paneles laterales (E) como se ve en la ilustración, y fije las patas (C) a los paneles laterales (E) con los tornillos largos dorados ①. Después coloque las tapas plásticas incluidas.

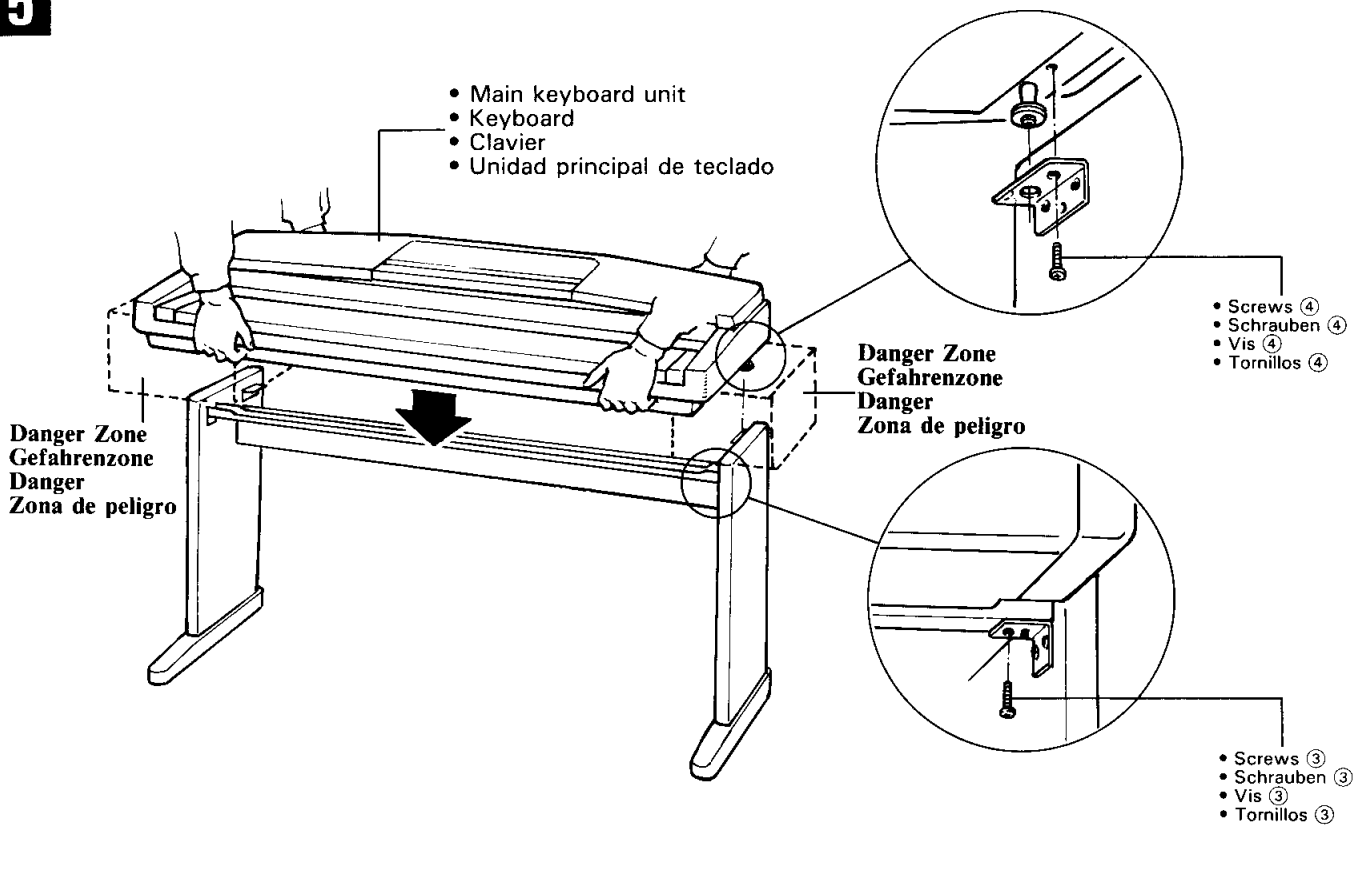
* Cuando coloque las juntas en los orificios de los paneles laterales (E), asegúrese de que queden en la dirección mostrada en la figura.

3 Una los paneles laterales (E) al panel central (A).

Coloque cuatro juntas en los orificios del panel central (A) y únele los paneles laterales (E) mediante los cuatro tornillos negros largos ② como se ilustra.

4 Coloque la ménsula delantera (B) entre los paneles laterales (E).

Una la ménsula de metal negra larga (B) con las correspondientes ménsulas de los paneles laterales empleando dos tornillos cortos ⑥ como se ve en la figura. Los bordes con pestaña de la ménsula (B) deben quedar mirando hacia arriba.

5**5** Install the main keyboard unit.

As shown in the illustration, gently lower the main keyboard unit onto the stand assembly so that the two black plastic cones protruding from the bottom of the keyboard fit into the larger holes in the brackets near the rear edge of the side panels (E). Secure the main keyboard unit to the stand assembly using two screws ④ screwed through the rear brackets and two screws ③ through the front bracket.

* When disassembling the Clavinova unscrew the black cones using a "+" (Philips) screwdriver.

* Keep your fingers away from the area marked "Danger Zone" in the illustration when lowering the main keyboard unit onto the stand assembly.

6 Attach the pedal assembly.

Before actually attaching the pedal assembly (D), be sure to plug the pedal cord connector which is protruding from the top of the pedal assembly into the corresponding connector in the bottom of the main keyboard unit. Once the pedal cord has been connected, align the pedal assembly with the screw holes on the main unit and center panel (A), making sure that the slack section of pedal cord fits into the recess in the top of the pedal assembly, and screw the four screws ⑤ into the center panel (A), and the four screws ④ into the main keyboard unit.

* Check to make sure that all screws have been securely tightened.

7 Be sure to set the pedal adjusters.

For stability, two adjusters are provided on the bottom of the pedal assembly (D). Rotate the adjusters until they come in firm contact with the floor surface. The adjusters ensure stable pedal operation and facilitates pedal effect control.

* If the adjusters are not in firm contact with the floor surface, distorted sound may result.

5 Das Keyboard montieren.

Gemäß der Abbildung das Keyboard vorsichtig auf den Ständer so absenken, daß die beiden schwarzen Plastikknöpfe auf der Unterseite des Keyboards in die größeren Löcher nahe der hinteren Kante der Standbeine (E) fassen. Das Keyboard mit zwei Schrauben ④ hinten und zwei Schrauben ③ vorne befestigen.

* Beim Zerlegen des Keyboardständers die schwarzen Plastikknöpfe mit einem Kreuzschraubenzieher entfernen.

* Beim Aufsetzen auf den Ständer das Keyboard nicht am mit "Gefahrenzone" bezeichneten Bereich fassen, um ein Einklemmen der Finger zu verhindern.

6 Pedalgestell anbringen.

Vor dem Anbringen des Pedalgestells (D) zunächst den Anschluß oben am Pedalgestell mit dem Anschluß unten am Keyboard verbinden. Nach dem Anschließen des Pedalkabels das Pedalgestell mit den Schraubenlöchern im Keyboard und am Auflagebrett (A) ausrichten. Dabei darauf achten, daß das Pedalkabel in der Einbuchtung oben am Pedalgestell sitzt. Dann das Pedalgestell mit vier Schrauben ⑤ am Auflagebrett und mit vier Schrauben ④ am Keyboard anbringen.

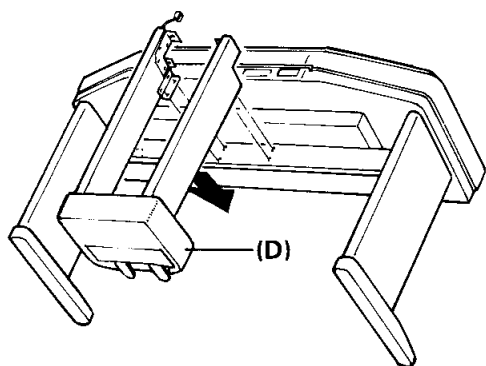
* Sicherstellen, daß alle Schrauben gut festgezogen sind.

7 Stützschauben des Pedalgestells einstellen.

Zur Stabilisierung sind unten am Pedalgestell (D) zwei Stützschauben angebracht. Die Stützschauben drehen, bis sie am Boden aufsitzen. Die beiden Stützschauben gewährleisten Pedalstabilität und sorgen für akkurate Effektsteuerung.

* Falls die Stützschauben nicht am Boden aufsitzen, kann es zu Klangverzerrungen kommen.

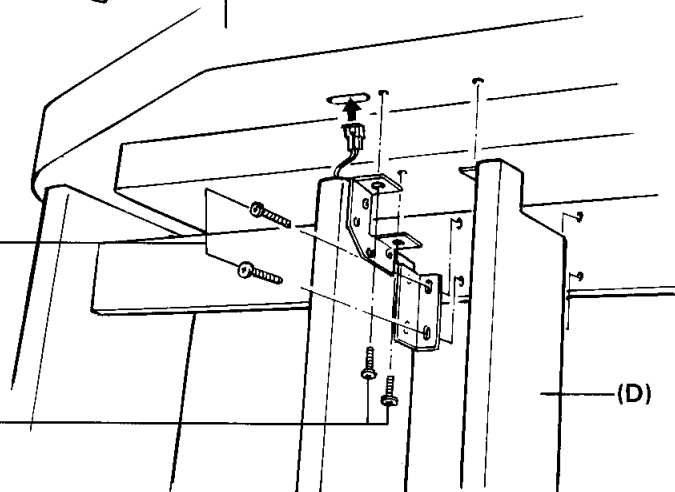
6



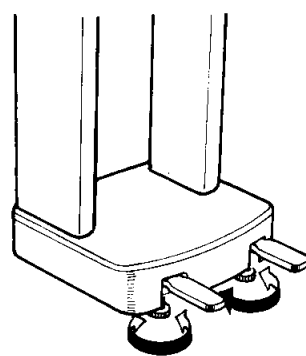
- Main keyboard unit
- Keyboard
- Clavier
- Unidad principal de teclado

- Screws ⑤
- Schrauben ⑤
- Vis ⑤
- Tornillos ⑤

- Screws ④
- Schrauben ④
- Vis ④
- Tornillos ④



7



5 Poser le clavier

Poser le clavier de la manière illustrée, en l'abaissant avec précaution sur l'ensemble et en veillant à ce que les deux cônes en plastique situés sous le clavier viennent se placer dans les orifices plus grand des supports situés près du bord arrière des panneaux latéraux (E). Fixer le clavier aux supports arrière à l'aide de deux vis ④ et aux supports avant à l'aide de deux vis ③.

* Pour démonter le Clavinova, dévisser les cônes noirs à l'aide d'un tournevis cruciforme (Phillips).

* Ne pas tenir le clavier à l'endroit marqué "Danger" sur l'illustration en l'abaissant sur l'ensemble.

6 Poser le pédalier

Avant de poser définitivement le pédalier (D), veiller à brancher le connecteur du cordon de pédale, sortant de la partie supérieure du pédalier, au connecteur correspondant situé à la partie inférieure du clavier. Une fois que le cordon de pédale est branché, aligner le pédalier sur les trous de vis du clavier et du panneau central (A), en veillant à placer le cordon de pédale dans la gorge située à la partie supérieure du pédalier et poser les quatre vis ⑤ sur le panneau central (A) et les quatre vis ④ sur le clavier.

* Vérifier que toutes les vis sont serrées à fond.

7 Ne pas oublier de régler la hauteur du pédalier

Deux dispositifs de réglage sont prévus à la partie inférieure du pédalier (D) pour assurer sa stabilité. Les tourner jusqu'à ce qu'ils soient en contact ferme avec la surface du sol. Ces dispositifs assurent la stabilité du pédalier lors de son utilisation et facilitent la commande au pied des effets.

* Si ces dispositifs ne sont pas en contact ferme avec le sol, il peut se produire une distorsion du son.

5 Instale la unidad de teclado principal.

Coloque la unidad de teclado principal cuidadosamente sobre el conjunto de base de modo que los dos conos negros de plástico que salen de la base del teclado encajen en las aberturas grandes de las ménsulas cerca del borde trasero de los paneles laterales (E). Fije la unidad de teclado principal al conjunto de base con dos tornillos ④ pasados a través de las ménsulas traseras y otros dos ③ pasados a través de la ménsula delantera.

* Cuando desmonte la Clavinova, destornille los conos negros con un destornillador Phillips.

* Cuando coloque la unidad de teclado principal sobre el conjunto de base, mantenga sus dedos fuera del área marcada "Zona de peligro" en la ilustración.

6 Monte el conjunto de los pedales

Antes de montar el conjunto de los pedales (D), asegúrese de enchufar el conector del cable de los pedales, proveniente de la parte superior del conjunto de los pedales, en el conector correspondiente debajo de la unidad de teclado principal. Una vez efectuada esta conexión, alinee el conjunto de los pedales con los orificios de tornillo de la unidad principal y del panel central (A), cuidando que la sección sobrante de cable quede dentro del hueco en la parte superior del conjunto de los pedales, y atornille los cuatro tornillos ⑤ en el panel central (A), y los cuatro tornillos ④ en la unidad de teclado principal.

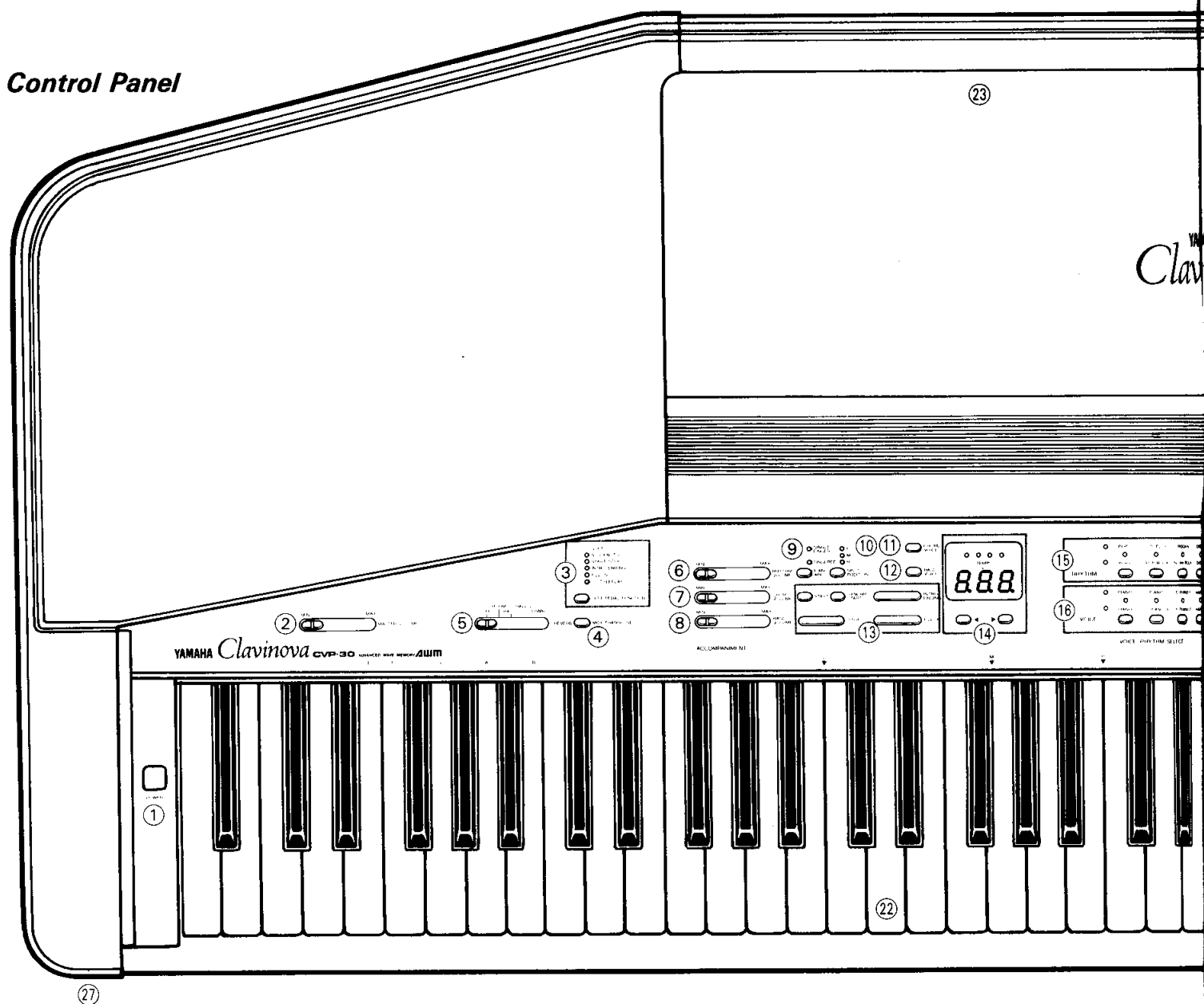
* Confirme que todos los tornillos estén bien apretados.

7 No olvide disponer los ajustadores de pedal.

Dos ajustadores han sido instalados debajo de la caja de pedales (D) para dar estabilidad a la misma. Gire los ajustadores hasta que queden en firme contacto con la superficie del piso. Los ajustadores aseguran una estable operación de los pedales y facilitan el control de sus efectos.

* Si los ajustadores no están en firme contacto con la superficie del piso, puede distorsionarse el sonido.

Control Panel



CVP-30 CONTROLS AND CONNECTORS

Control Panel

- ① POWER Switch..... [see page 10]
- ② MASTER VOLUME Control..... [see page 10]
- ③ LEFT PEDAL FUNCTION Button & Indicators
..... [see page 11]
- ④ MIDI/TRANPOSE Button [see page 11]
- ⑤ REVERB Selector [see page 11]
- ⑥ RHYTHM VOLUME Control [see page 12]
- ⑦ CHORD VOLUME Control..... [see page 11, 15]
- ⑧ BASS VOLUME Control [see page 15]
- ⑨ PIANO ABC Button & Indicators [see page 14]
- ⑩ SPLIT POSITION Button & Indicators
..... [see page 11, 14]
- ⑪ CHORD VOICE button [see page 15]
- ⑫ BASS VOICE Button..... [see page 15]
- ⑬ Rhythm Controls (START, SYNCHRO START,
INTRO/ENDING, STOP, FILL IN Buttons)
..... [see page 13]
- ⑭ Tempo/Beat Display & Tempo Buttons (◀ and ▶)
..... [see page 11, 13]
- ⑮ Rhythm Selectors & Indicators..... [see page 12, 14]

- ⑯ Voice Selectors & Indicators [see page 10]
- ⑰ LOWER VOICE Button [see page 11]
- ⑱ LOWER ON Button & Indicator [see page 11]
- ⑲ Performance Memory Controls & Indicators
(RECORD 1/2/3 and PLAYBACK 1/2/3)
..... [see page 16, 17]
- ⑳ SOLO STYLEPLAY Selectors [see page 16]
- ㉑ REGISTRATION Buttons [see page 17]
- ㉒ Keyboard [see page 10, 12, 14]
- ㉓ Music Stand..... [see page 10]

Rear/Front Panel

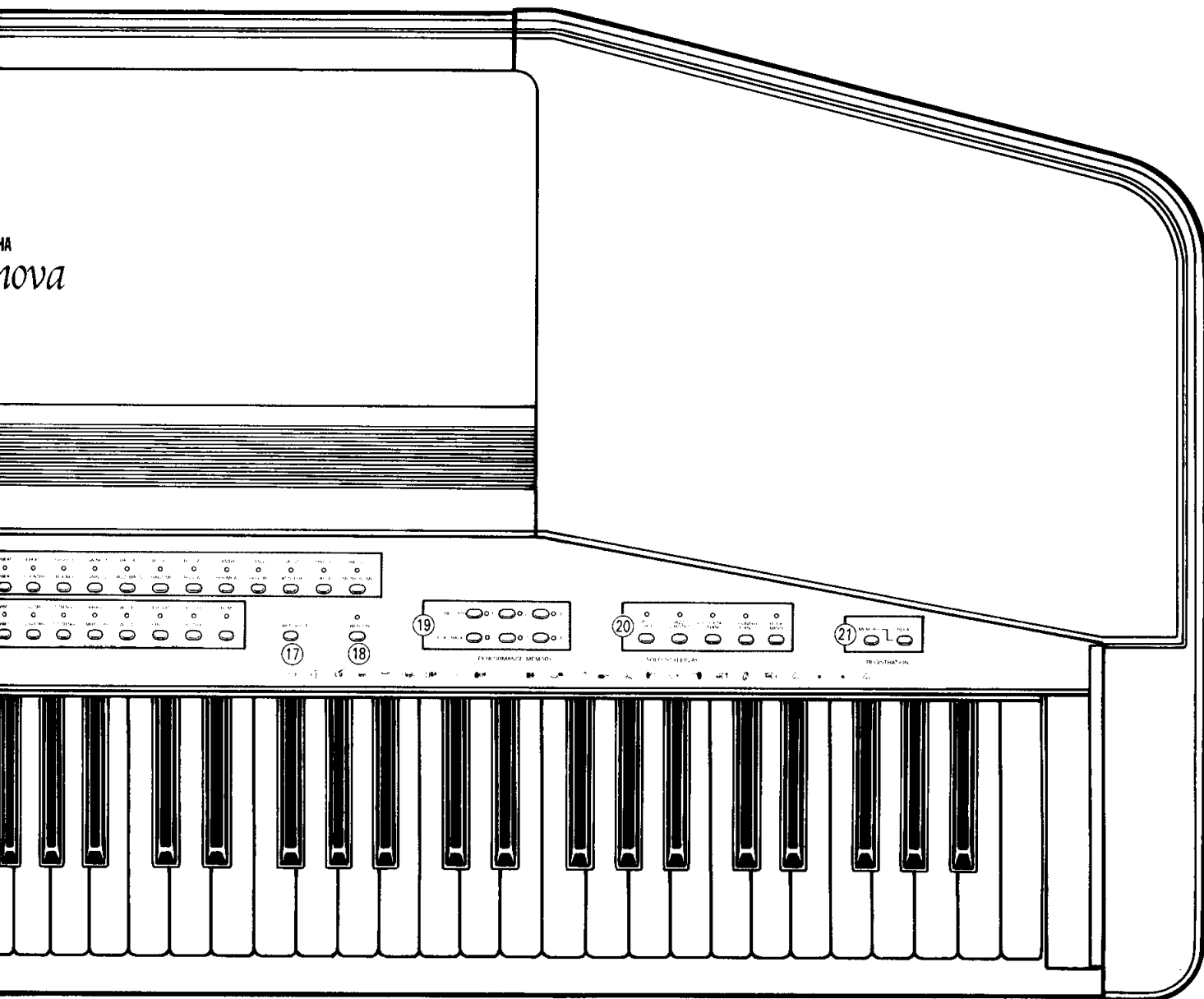
㉔ OPTIONAL IN L/R and OUT L/R Jacks

These jacks are intended primarily for use with Yamaha EM-series Expander Modules such as the EME-1 Reverb Box, EMT-1 FM Sound Box, EMT-10 AWM Sound Box and EMR-1 Drum Box. In the case of the EME-1 Reverb Box, for example, the OPTIONAL OUT jacks connect to the EME-1 LINE IN jacks, and the EME-1 LINE OUT jacks connect back to the Clavinova OPTIONAL IN jacks. This allows application of a range of high-quality digital effects, including reverb and echo, to the Clavinova sound. Refer to the EM-series Expander Module device owner's manual for connection details.

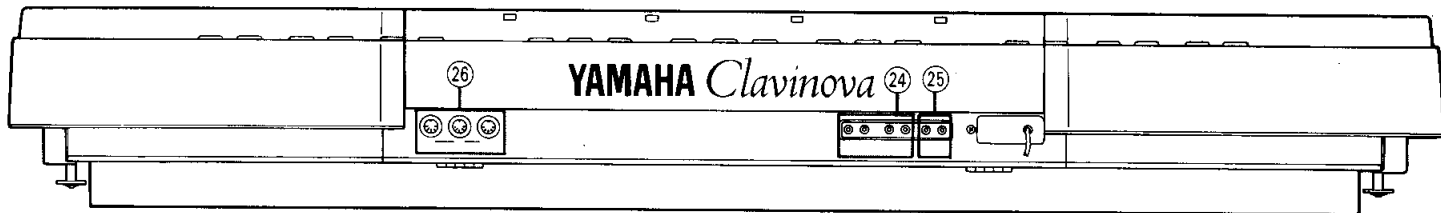
㉕ AUX OUT L/R Jacks

The AUX OUT L and R jacks deliver the output of the Clavinova for connection to a stereo sound system, a mixing console or a tape recorder.

HA
nova



Rear Panel



Note: The AUX OUT jack signal must never be returned to the OPTIONAL IN jacks, either directly or through external equipment. Always use the OPTIONAL IN and OUT jacks when connecting EM-series or other Yamaha peripheral equipment.

26 MIDI IN, THRU and OUT Connectors

The MIDI IN connector receives MIDI data from an external MIDI device (such as the EMQ-1 Memory Box) which can be used to control the Clavinova. The MIDI THRU connector re-transmits any data received at the MIDI IN connector, allowing "chaining" of several MIDI instruments or other devices. The MIDI OUT connector transmits MIDI data generated by the Clavinova (e.g. note and velocity data produced by playing the Clavinova keyboard).

More details on MIDI are given in "MIDI FUNCTIONS" on page 18.

27 HEADPHONE Jack

A standard pair of stereo headphones can be plugged in here for private practice or late-night playing. The internal speaker system is automatically shut off when a pair of headphones is plugged into the HEADPHONE jack.

Internal

Stereo Amplifier & Speaker System

The CVP-30 features a powerful stereo amplifier delivering 30 watts per channel, driving a unique new Yamaha speaker system that puts out exceptionally rich sound with natural response from powerful lows to shimmering highs. The speaker system includes two 13-centimeter and two 5-centimeters speaker units.

PRECAUTIONS

Your Clavinova is a fine musical instrument, and deserves the most careful treatment. Observe the following points and your Clavinova will sound and look great for many years.

1. Never open the case and touch or tamper with the internal circuitry.
2. Always turn the POWER switch OFF after use, and cover the keyboard with the built-in key cover.
3. Clean the cabinet and keys of your Clavinova only with a clean, slightly damp cloth. A neutral cleanser may be used if desired. Never use abrasive cleansers, waxes, solvents or chemical dust cloths since these can dull or damage the finish.
4. Never place any vinyl products on your Clavinova. Contact with vinyl can cause irreversable damage to the finish.
5. Install your Clavinova in a place that is away from direct sunlight, excessive humidity or heat.
6. Never apply excessive force to the controls, connectors or other parts of your Clavinova, and avoid scratching or bumping it with hard objects.
7. To avoid fire and shock hazards, never place the Clavinova or its bench directly on or over power cords of any type.
8. Never place objects on the Clavinova power cord, or place the cord where it may be accidentally tripped over or stepped on.

PREPARATION

Check your power supply

Make sure that your local AC mains voltage matches the voltage specified on the name plate on the bottom panel. In some areas a voltage selector may be provided on the rear panel of the main keyboard unit. Make sure that the voltage selector is set for the voltage in your area.

The music stand

If you will be using sheet music with your Clavinova, raise the music stand built into it's top panel by lifting the rear edge of the music stand until it clicks into place. The music stand can be lowered after slightly lifting the stand and pressing the two brackets which support it inward.

Name Plate Location

The nameplate is located on the bottom panel.

PLAYING THE CLAVINOVA

After making sure that the Clavinova's AC plug is properly inserted into a convenient AC wall outlet:

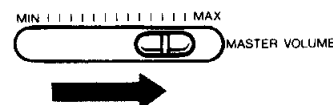
1. Turn Power ON

Press the POWER switch located to the left of the keyboard to turn the power ON. When the power is turned ON, the PIANO 1 voice selector LED will light (the PIANO 1 voice is automatically selected whenever the power is turned ON). Press the POWER switch again when you want to turn the Clavinova OFF.



2. Set Volume

Initially set the MASTER VOLUME control about three quarters of the way towards the "MAX" setting. Then, when you start playing, adjust the VOLUME control for the most comfortable listening level.

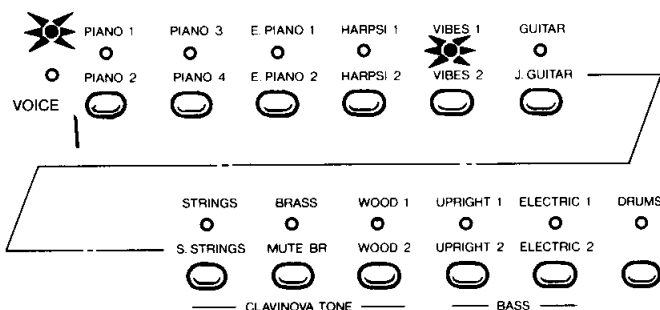


The MASTER VOLUME control adjusts the volume (level) of sound produced by the Clavinova. It also adjusts headphone volume when a pair of headphones is plugged into the HEADPHONE jack.

3. Select a Voice

Select the desired voice by pressing one of the voice selectors. The 22 CVP-30 voices are selected using 11 voice selectors. Note that the LED above each voice selector has a label above and below it. The voices indicated by the upper and lower labels are selected alternately each time the corresponding selector is pressed. For example, if the VIBES 1 voice is selected and you press the same selector a second time, the VIBES 2 voice will be selected. Each press on the VIBES 1/VIBES 2 selector alternately selects the VIBES 1 and VIBES 2 voices.

The two LEDs to the left of the upper and lower rows of voice labels indicate whether an upper or lower voice is selected. The LEDs above the selectors indicate which selector is currently active.



In this example the indicator LEDs show that the VIBES 1 voice is selected.

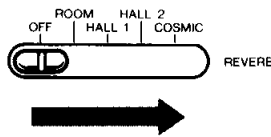
The PIANO 1 voice is automatically selected when the power is initially turned ON.

4. Play

The Clavinova has "16-note polyphony" which means you can play up to 16 notes at once. The Clavinova also offers keyboard touch response, so the volume and timbre of notes played can be controlled according to how "hard" you play the keys. The amount of variation available depends on the selected voice.

Using the Digital Reverb Effects

The REVERB control provides a number of digital effects that you can use for extra depth and expressive power. Simply slide the REVERB control to the required position:



OFF

No effect is produced.

ROOM

This setting adds a reverb effect to the sound that is similar to the type of acoustic reverberation you would hear in a medium-size room.

HALL 1

For a more spacious reverb sound, use the HALL 1 setting. This effect simulates the natural reverberation of a medium-size concert hall.

HALL 2

HALL 2 simulates the reverb of a very large concert hall.

COSMIC

"COSMIC" is an echo effect in which the sound seems to "bounce" around in the stereo sound field.

Using the Pedals

Right Pedal (Damper Pedal)

The damper pedal functions in the same way as a damper pedal on an acoustic piano. When the damper pedal is pressed notes played have a long sustain. Releasing the pedal immediately stops (damps) any sustained notes.

Left Pedal (Multi-function)

The left CVP-30 pedal has a number of functions which can be selected using the LEFT PEDAL FUNCTION button and indicators. Each time the LEFT PEDAL FUNCTION button is pressed the next function on the LEFT PEDAL function "list" is selected and the corresponding indicator will light (no indicator means that the SOFT pedal function is selected). The SOFT and SOSTENUTO functions are described below. For details on the STOP/START, INTRO/ENDING and FILL IN functions refer to the "RHYTHM" section on page 12. For details on the S.STYLEPLAY function see "SOLO STYLE-PLAY" on page 16 (the S.STYLEPLAY pedal function can only be selected when the SOLO STYLE PLAY feature is in use).



SOFT Pedal

Pressing the soft pedal reduces the volume and slightly changes the timbre of notes played.

SOSTENUTO Pedal

If you play a note or chord on the keyboard and press the sostenuto pedal while the note(s) are held, those notes will be sustained as long as the pedal is held (as if the damper pedal had been pressed) but all subsequently played notes will not be sustained. This makes it possible to sustain a chord, for example, while other notes are played "staccato."

Selecting a Separate Lower Keyboard Voice

The CVP-30 allows you to play two voices at once—one with the left hand and one with the right. The lower voice can be played on the lowest keys, up to one of the "▼" markings immediately above the keyboard. The "▼" marking selected is called the SPLIT POSITION.

1. Press the LOWER ON Button

This turns the LOWER VOICE ON and automatically selects STRINGS as the lower voice.



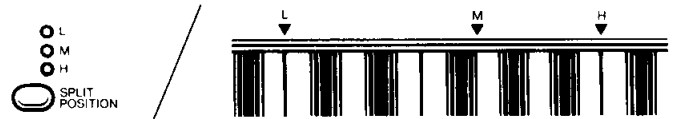
2. Select the LOWER VOICE

Press and hold the LOWER VOICE button while selecting a voice in the normal way.



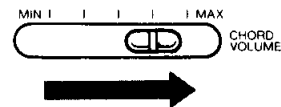
3. Select the SPLIT POSITION

Press the SPLIT POSITION button as many times as required to select the "L," "M," or "H" split position (the corresponding indicator will light).



4. Adjust the CHORD VOLUME Control

The CHORD VOLUME control is used to adjust the volume of the lower voice when the LOWER VOICE function is used. Initially set it to about three quarters of the way towards the "MAX" setting. Then, when you start playing, adjust for the best balance with the upper voice.



Note: the SPLIT POSITION can be changed at any time while the LOWER VOICE is ON.

TRANSPOSITION

The Clavinova's TRANPOSE function makes it possible to shift the pitch of the entire keyboard up or down in semitone intervals up to a maximum of six semitones. "Transposing" the pitch of the Clavinova keyboard makes it easier to play in difficult key signatures, and you can simply match the pitch of the keyboard to the range of a singer or other instrumentalist.



The MIDI/TRANPOSE button is used in conjunction with the ◀ and ▶ buttons (below the tempo display) for transposition.

1. Press and hold the MIDI/TRANPOSE button.

2. Press either the ◀ or ▶ button, according to the desired direction of transposition (◀ transposes down and ▶ transposes up). The pitch is transposed by one semitone (100 cents) each time the ◀ or ▶ button is pressed.*

3. Release the TRANPOSER/MIDI button.

The amount of transposition selected is shown on the TEMPO BEAT indicator as follows:

Display	Transposition	Display	Transposition
-6	-6 semitones	1	+1 semitone
-5	-5 semitones	2	+2 semitones
-4	-4 semitones	3	+3 semitones
-3	-3 semitones	4	+4 semitones
-2	-2 semitones	5	+5 semitones
-1	-1 semitone	6	+6 semitones

* Pressing the ◀ and ▶ buttons simultaneously while holding the MIDI/TRANPOSE button produces normal keyboard pitch.

Note: The transpose function has no effect when LOCAL OFF is active (see "MIDI FUNCTIONS" on page 18).

PITCH CONTROL

Pitch control makes it possible to tune the Clavinova over a ± 50 -cent range in approximately 3-cent intervals. A hundred "cents" equals one semitone, so the tuning range provided allows fine tuning of overall pitch over a range of approximately a semitone. Pitch control is useful for tuning the Clavinova to match other instruments or recorded music.

Tuning Up

1. To tune up (raise pitch), hold the A-1 and B-1 keys simultaneously (A-1 and B-1 are the two lowest white keys on the keyboard).
2. Press any key between C₃ and B₃. Each time a key in this range is pressed the pitch is increased by approximately 3 cents, up to a maximum of 50 cents above standard pitch.
3. Release the A-1 and B-1 keys.

Tuning Down

1. To tune down (lower pitch), hold the A-1 and A[#]-1 keys simultaneously.
2. Press any key between C₃ and B₃. Each time a key in this range is pressed the pitch is decreased by approximately 3 cents, up to a maximum of 50 cents below standard pitch.
3. Release the A-1 and A[#]-1 keys.

To Restore Standard Pitch*

1. To restore standard pitch (A₃ = 440 Hz), hold the A-1, A[#]-1 and B-1 keys simultaneously.
2. Press any key between C₃ and B₃.
3. Release the A-1, A[#]-1 and B-1 keys.

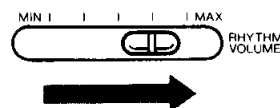
* Standard pitch (A₃ = 440 Hz) is automatically set whenever the POWER switch is initially turned ON.

Note: The pitch control function has no effect when LOCAL OFF is active (see "MIDI FUNCTIONS" on page 18).

RHYTHM

The RHYTHM VOLUME Control

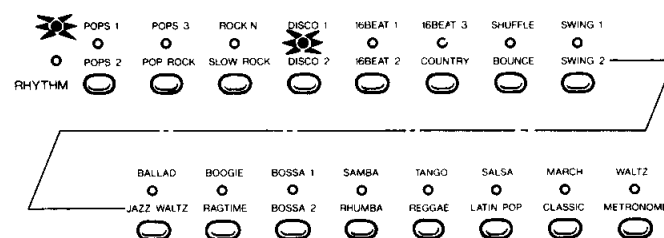
Begin by setting the RHYTHM VOLUME control to a position about three-quarters of the way toward the "MAX" end of the scale. Then, when you actually begin playing the rhythm, you can set the best VOLUME control level "by ear."



Selecting Rhythm Patterns

The 32 CVP-30 rhythm patterns are selected using 16 rhythm selectors. Note that the LED above each rhythm selector has a label above and below it. The rhythm patterns indicated by the upper and lower labels are selected alternately each time the corresponding selector is pressed. For example, if the DISCO 1 rhythm is selected and you press the same selector a second time, the DISCO 2 rhythm will be selected. Each press on the DISCO 1/DISCO 2 selector alternately selects the DISCO 1 and DISCO 2 rhythm patterns.

The two LEDs to the left of the upper and lower rows of rhythm labels indicate whether an upper or lower rhythm is selected. The LEDs above the selectors indicate which selector is currently active.



In this example the indicator LEDs show that the DISCO 1 rhythm is selected.

- The POPS 1 rhythm is automatically selected when the power is initially turned ON.



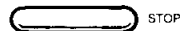
For Pitch Control (A-1 + B-1/A-1 + A[#]-1)

For Pitch Control (C₃ ~ B₃)

Starting and Stopping the Selected Rhythm

Using the START and STOP Buttons

The most straightforward way to start and stop the selected rhythm is to use the START and STOP buttons. Simply press the START button to start the rhythm, then press the STOP button when you want to stop the rhythm. Different rhythms can be selected at any time during playback.



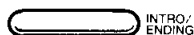
Note: If the CVP-30 left pedal is switched to START/STOP operation, it performs the same function as the panel START AND STOP buttons (press to START, press again to STOP).

Using the INTRO/ENDING Button

This button can be used to both start and stop the selected rhythm, with a little more "style" than the START and STOP buttons provide. If you press the INTRO/ENDING button while rhythm playback is stopped, the selected rhythm will start after an appropriate 2-measure introduction. When you're ready to end the rhythm, press the INTRO/ENDING button again—the CVP-30 will create an appropriate 2-measure rhythmic ending for the currently selected rhythm pattern.

If you press the INTRO/ENDING button during the first half of a measure, the ending pattern will begin during that measure. If you press the INTRO/ENDING button during the second half of a measure, the ending pattern will begin on the first beat of the next measure.

Rhythm playback started by pressing the START button can be ended by pressing the INTRO/ENDING button. In the same way, rhythm playback started by pressing the INTRO/ENDING button can be ended at any time by pressing the STOP button.



Note: If the CVP-30 left pedal is switched to INTRO/ENDING operation, it performs the same function as the panel INTRO/ENDING button.

Note: a two-measure blank will be produced if the INTRO ENDING button is used to start the METRONOME rhythm. No change in the METRONOME rhythm occurs if the INTRO/ENDING button is used to stop the rhythm.

Tempo Control

The ◀ and ▶ buttons located below the Tempo/Beat display can be used to modify the tempo of the selected rhythm. Tempo can be varied from 32 beats per minute up to 280 beats per minute. When the power is initially turned ON a tempo of 120 is automatically selected (the initial 120 tempo setting can be recalled at any time by pressing the ◀ and ▶ buttons simultaneously).

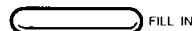
Pressing the ◀ button decreases the tempo, while pressing the ▶ button increases the tempo. Holding either of these buttons down causes a continuous increase or decrease in the tempo setting. The current tempo setting is displayed on the Tempo/Beat display while either the ◀ or ▶ button is pressed during rhythm playback, and the display reverts to measure number display about one second after either the ◀ or ▶ button is released. The tempo setting is also displayed, and can be changed, while rhythm playback is stopped.



Note: The beat indicators at the top of the Beat/Tempo display flash in sequence to indicate the current beat. The leftmost indicator flashes on the first beat of each measure, the second indicator flashes on the second beat, and so on. When a 3/4-time rhythm is selected, only the first three beat indicators will flash.

Adding Fill-ins

Simply press the FILL IN button at any time during rhythm playback to insert a rhythm variation that lasts until the end of the current measure. If the FILL IN button is pressed at the end of the last beat of a measure, however, the fill-in will start at the next measure. The fill-in can be terminated at any time during the same measure by pressing the FILL IN button a second time. For example, if you press FILL IN on the first beat of a measure and then again on the third beat, the fill-in will last from the first until the third beat of the measure.



Fill-in Start

You can start a rhythm pattern with a fill-in on the very first measure by first pressing the FILL IN button while rhythm playback is stopped, and then pressing the START button. When the FILL IN button is initially pressed (while rhythm playback is stopped), the second LED on the Beat Display will light, indicating that the first measure of the rhythm pattern will be a fill-in.

Note: If the CVP-30 left pedal is switched to FILL IN operation, it performs the same function as the panel FILL IN button.

Note: The FILL IN button produces no change in the METRONOME rhythm.

SYNCHRO START Operation

This function causes the selected rhythm to be started automatically when you play the first note on your keyboard, thus synchronizing the beginning of the rhythm to your performance.

After selecting the desired rhythm, press the SYNCHRO START button. The first LED of the Beat Display will begin to flash, indicating that the SYNCHRO START mode is READY. Then, as soon as you play a key on your keyboard, playback of the selected rhythm will begin.



You can have the rhythm begin with a fill-in in the SYNCHRO START mode by pressing the SYNCHRO START button and then the FILL IN button before playing on the keyboard. In this case, both the first and second LEDs of the Beat Display will flash while the CVP-30 waits for you to play on the keyboard.

KEYBOARD PERCUSSION

This function allows you to directly play 24 different percussion instruments on the highest notes of the keyboard. Simply press the DRUMS button (the DRUMS indicator will light), and play the appropriate keys from F#4 to F#6. The percussion instruments played by the various keys are marked by symbols above the keys.



PERCUSSION INSTRUMENT/KEY ASSIGNMENTS

Key	Instrument
F#4	RIM SHOT
G4	BASS DRUM
G#4	BRUSH
A4	SNARE DRUM NORMAL
A#4	HI-HAT CLOSED
B4	SNARE GATE ECHO
C5	TOM LOW
C#5	HI-HAT OPEN
D5	TOM MIDDLE
D#5	RIDE CYMBAL
E5	TOM HIGH
F5	ELECTRONIC TOM MIDDLE
F#5	CRASH CYMBAL
G5	ELECTRONIC TOM HIGH
G#5	CABASA
A5	CONGA LOW
A#5	COWBELL
B5	CONGA HIGH
C6	TIMBALE LOW
C#6	TAMBOURINE
D6	TIMBALE HIGH
D#6	TRIANGLE CLOSED
E6	METRONOME
F6	METRONOME
F#6	TRIANGLE OPEN

Note: When Keyboard Percussion is in use, notes to the left of F#4 will not sound unless the LOWER VOICE or PIANO ABC feature is used. In this case, notes between the selected SPLIT POSITION and F4 will not sound.

PIANO ABC

The CVP-30 includes a sophisticated auto-accompaniment system that can provide automated rhythm, bass and chord backing in a number of ways.

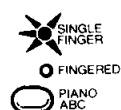
Note: Although the CVP-30 has 16-note polyphony, the total number of notes that can be played simultaneously is actually less than 16 when the PIANO ABC feature is used.

Single-finger Accompaniment

SINGLE FINGER accompaniment makes it simple to produce accompaniment using major, seventh, minor and minor-seventh chords by pressing a minimum number of keys in the Auto Accompaniment Keys section of the keyboard. The automatic accompaniment consists of rhythm, bass and chords.

1. Select the SINGLE FINGER Mode

Press the PIANO ABC button to select the SINGLE FINGER mode (the SINGLE FINGER indicator will light).

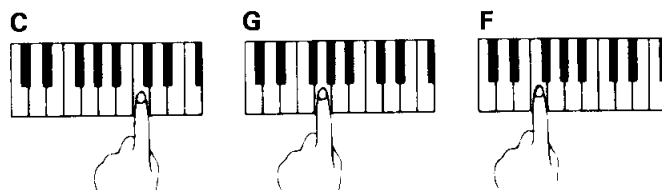


2. Select a Rhythm

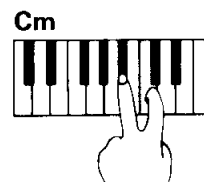
Select the desired rhythm pattern using the rhythm selectors.

3. Press a Key in the Lower Keyboard

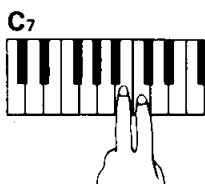
Pressing any key on the lower keyboard (up to the "▼" marker selected using the SPLIT POSITION button) will cause the automatic chord and bass accompaniment to begin. If you press a "C" key, for example, a C-major accompaniment will be played. Press another key in the Auto Accompaniment Keys section to select a new chord. The key you press will always determine the "root" of the chord played (i.e. "C" for a C chord).



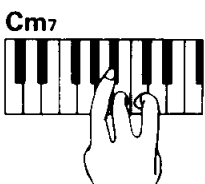
Playing Minor, Seventh, and Minor-seventh Chords in the Single-finger Mode



- For a minor chord, press the root key and the first black key to its left.



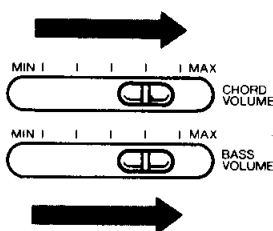
- For a seventh chord, press the root key and the next white key to its left.



- For a minor-seventh chord, press the root key and both the next white and black keys to its left.

4. Adjust the BASS VOLUME and CHORD VOLUME Controls

Set the ideal balance between the bass and chord volume using these controls.



5. Set the Tempo

Use the TEMPO controls to set the desired accompaniment tempo (see "Tempo Control" on page 13 for more details).

6. Stop the Auto Accompaniment

Press the START/STOP button to stop the Auto Accompaniment.

Fingered Accompaniment

The FINGERED mode is ideal if you already know how to play chords on a keyboard, since it allows you to supply your own chords for the Auto Accompaniment feature.

1. Select the FINGERED Mode

Press the PIANO ABC button to select the FINGERED mode (the FINGERED indicator will light).



2. Select a Rhythm

Select the desired rhythm pattern using the rhythm selectors.

3. Play a Chord on the Lower Keyboard

As soon as you play any chord (up to 4 notes) on the lower keyboard (up to the "▼" marker selected using the SPLIT POSITION button), the CVP-30 will automatically begin to play the chord along with the selected rhythm and an appropriate bass line.



C chord



G chord



F chord

The CVP-30 will accept the following chord types:

- Major
- Minor
- Major seventh
- Sixth
- Minor sixth
- Minor seventh
- Minor seventh flat five
- Seventh
- Seventh flat five
- Seventh suspended fourth
- Suspended fourth
- Augmented
- Diminished

Note: The automatic accompaniment will sometimes not change when related chords are played in sequence (e.g. a major chord followed by the relative minor).

Note: The INTRO/ENDING and FILL IN buttons can be used in the PIANO ABC mode to create pattern variations in exactly the same way that they are used with rhythm patterns (refer to the "RHYTHM" section on page 12 for details).

Selecting Different Bass and Chord Voices

The bass and chord voices used for PIANO ABC accompaniment can be changed by selecting the desired voice in the normal way while holding either the BASS VOICE or CHORD VOICE button, as required. The current bass or chord voice can be confirmed by simply pressing the BASS VOICE or CHORD VOICE button (the appropriate voice indicator will light as long as the button is held).



Note: The LOWER VOICE and PIANO ABC features can not be used at the same time.

SOLO STYLEPLAY

This sophisticated feature not only provides automatic rhythm, bass and chord accompaniment, but it also adds appropriate harmony notes (from two to four harmonized instruments) to a melody you play on the upper keyboard.

Note: Although the CVP-30 has 16-note polyphony, the total number of notes that can be played simultaneously is actually less than 16 when the SOLO STYLEPLAY feature is used.

1. Select the Desired Style

Select the POP ORCHESTRA, JAZZ QUARTET, COCKTAIL PIANO, COUNTRY PIANO or ROCK BAND style by pressing the corresponding button (the indicator above the selected style will light). Simply press the same SOLO STYLEPLAY button again when you want to turn the SOLO STYLEPLAY mode OFF.



2. Play

The PIANO ABC and SYNCHRO START modes are automatically selected when SOLO STYLEPLAY is turned ON, so all you have to do is play the required chords (SINGLE FINGER or FINGERED) on the lower keyboard while playing a single-note melody line on the upper keyboard. The SOLO STYLEPLAY feature automatically selects the appropriate rhythm pattern as well as chord and bass voices for the style you select.

Note: If the LEFT PEDAL FUNCTION is set to SOLO STYLEPLAY (use the LEFT PEDAL FUNCTION button), harmonization of notes played on the upper keyboard only occurs when the left pedal is pressed. This allows you to combine normal PIANO ABC type performance with SOLO STYLEPLAY as required. The left pedal SOSTENUTO function can not be selected while SOLO STYLEPLAY is ON.

Selecting a Different Rhythm, Bass Voice or Chord Voice

The rhythm, bass voice or chord voice used in the SOLO STYLEPLAY mode can be changed in exactly the same way as described in the "RHYTHM" and "PIANO ABC" sections on pages 12 and 14, respectively. If you want to use SOLO STYLEPLAY without rhythm accompaniment, simply turn the RHYTHM VOLUME control all the way down.

Note: The PIANO ABC mode can not be disengaged while the SOLO STYLEPLAY mode is active.

PERFORMANCE MEMORY

The CVP-30 features a built-in three-track "sequencer" which can be used to independently record up to three separate parts which can then be played back together, individually, or in any combination.

Recording

1. Press One of the RECORD Buttons

Only one track can be recorded at a time.



2. Select a Voice

Select a voice (and a LOWER VOICE if desired) in the normal way.

3. Select the Required Performance Features

The CVP-30 Performance Memory feature is capable of recording rhythms or PIANO ABC accompaniment with any bass and chord voices you select. If you want to record without rhythm accompaniment, turn the RHYTHM VOLUME control all the way down.

4. Set the Desired Tempo

The tempo can be confirmed visually by watching the flashing beat indicator.

5. Play

The SYNCHRO START mode is automatically selected when a RECORD button is pressed, so recording will begin automatically as soon as a key is pressed or the START or INTRO/ENDING button is pressed. The current measure number is shown on the Beat/Tempo display as you record. Changes in the following parameters will be recorded in addition to notes you play:

- Voice (not indicated on control panel)
- Rhythm Pattern
- Fill In
- Intro/Ending
- Rhythm Volume
- Tempo (initial tempo and subsequent tempo changes)
- Piano ABC Mode
- Split Position
- Bass Voice
- Chord Voice
- Bass Volume
- Chord Volume or Lower Volume
- Damper, Sostenuto and Soft Pedal

6. Stop Recording

Press the RECORD button a second time, or the STOP button to stop recording (if the STOP button is used, the playback standby mode is entered automatically). Recording will stop automatically if the CVP-30 memory capacity is reached (see "Memory Capacity, Display and Backup," below).

Recording a New Track

When you've finished recording the first track, you can simply play it back as described in "playback," below, or record a new track. To record a new track, press a RECORD button other than the one you used to record the previous track, and start recording (if you press the same RECORD button again, the previously recorded material will be erased and the new material will be recorded in its place). If you press the PLAYBACK button of the previously recorded track, you'll be able to record the new track while listening to the previously recorded track. The last rhythm pattern and rhythm volume level selected—i.e. the rhythm pattern recorded on the previous track—is automatically recorded on the new track unless a new rhythm pattern is selected during recording.

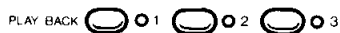
Memory Capacity, Display and Backup -

The CVP-30 can record a total of approximately 5,000 notes—sufficient for quite long and complicated performances. The remaining memory capacity is shown on the Beat/Tempo display immediately after the RECORD button is pressed. All memory free is indicated by “r28” on the display, and as the memory becomes full the number will gradually decrease to “r00” (memory full). Recording will stop automatically if the memory becomes full. Recorded data will be retained in memory for approximately one week if the power is continuously OFF. To retain the data for longer periods, turn the CVP-30 POWER switch ON briefly once a week. For long-term storage, use the Bulk Dump function (described on page 21) to save the data to a MIDI storage device such as the EMQ-1 Memory Box.

Playback

1. Press the PLAYBACK Button(s)

Once all the required tracks (three maximum) have been recorded, press the PLAYBACK buttons corresponding to the track or tracks you want to play back.



2. Press the START Button

Playback of the selected tracks begins as soon as the START button is pressed. Playback can also be started by pressing the INTRO ENDING button or a key on the lower keyboard if the SYNCHRO START mode is selected. If the INTRO/ENDING button is used, playback will begin with a 2-measure introduction if the INTRO/ENDING button was not used to begin recording. A maximum of 12 notes will be played back simultaneously for all three tracks.

Note: If you play back more than one track at once, and no track was retored with PIANO ABC and SPLIT POSITION data, the rhythm recorded in the lowest-numbered track takes priority. If one or more of the playback tracks contains PIANO ABC and SPLIT POSITION data, however, the rhythm recorded in the lowest-numbered track containing the PIANO ABC and SPLIT POSITION data takes priority.

3. Adjust the Playback Volume

Use the MASTER VOLUME, RHYTHM VOLUME, BASS VOLUME and CHORD VOLUME controls to set the desired playback volume and balance.

4. Stop Playback

Press the STOP or INTRO/ENDING button to stop playback. Playback will stop automatically when the end of the recording is reached. Playback will also stop if a RECORD button is pressed during playback.

Note: PIANO ABC and SPLIT POSITION settings can not be changed during playback.

REGISTRATION MEMORY

The CVP-30 Registration Memory feature can be used to memorize a complete control-panel setup that you can recall whenever needed.

Memory Store

1. Set Up the CVP-30 as Required

Make the desired CVP-30 control settings: voice, lower voice, rhythm, Reverb mode, Keyboard Percussion, Piano ABC, bass and chord voices, split position, left pedal function, tempo, Solo Styleplay, rhythm volume, chord volume (or lower volume) and bass volume.

2. Store in Memory

Press and hold the MEMORY button, then press the RECALL button.



Recall

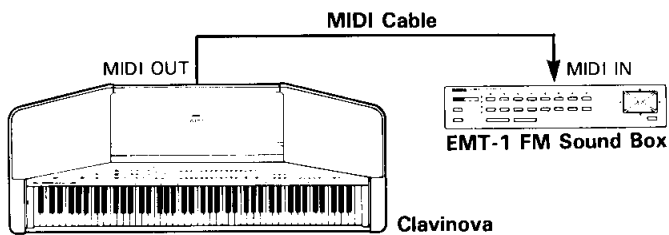
Simply press the RECALL button at any time to recall the memorized settings.

Note: Only one set of control settings can be stored at a time. Previous settings are erased each time you use the Memory Store function.

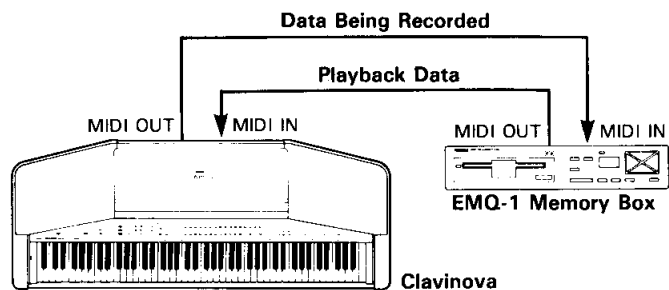
MIDI FUNCTIONS

A Brief Introduction to 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 than is available with isolated instruments. For example, most MIDI keyboards (including the Clavinova, of course) transmit note and velocity (touch response) information via the MIDI OUT connector whenever a note is played on the keyboard. If the MIDI OUT connector is connected to the MIDI IN connector of a second keyboard (synthesizer, etc.) or a tone generator such as the Yamaha EMT-1 FM Sound Box (essentially a synthesizer with no keyboard), the second keyboard or tone generator will respond precisely to notes played on the original transmitting keyboard. The result is that you can effectively play two instruments at once, providing thick multi-instrument sounds.



This same type of musical information transfer is used for MIDI sequence recording. A sequence recorder such as the Yamaha EMQ-1 Memory Box can be used to "record" MIDI data received from a Clavinova, for example. When the recorded data is played back, the Clavinova automatically "plays" the recorded performance in precise detail.



The examples given above really only scratch the surface. MIDI can do much, much more. The CVP-30 offers a number of MIDI functions that allow them to be used in fairly sophisticated MIDI systems.

Note: Always use a high-quality MIDI cable to connect MIDI OUT to MIDI IN terminals. Never use MIDI cables longer than about 15 feet, since cables longer than this can pick up noise which can cause data errors.

MIDI "Messages" Transmitted & Received by the Clavinova

The MIDI information (messages) transmitted and received by the CVP-30 Clavinova are as follows:

Note and Velocity Data

This information tells the receiving keyboard or tone generator to play a certain note (specified by the MIDI note number) at a certain dynamic level (specified by the MIDI velocity value). Note and velocity data is transmitted by the Clavinova whenever a key is pressed, and the Clavinova's internal AWM tone generator will "play" the corresponding note(s) whenever note and velocity data is received from an external MIDI device.

Program Change Numbers

The Clavinova transmits a MIDI program number between 0 and 23 when one of its voice selectors is pressed. This normally causes the correspondingly numbered voice or program to be selected on a receiving MIDI device. The Clavinova will respond in the same way, automatically selecting the appropriate voice when a MIDI program change number is received. See "Program Change ON/OFF" on page 19 for information on turning program change number reception and transmission ON or OFF.

Control Change Numbers

Control Change data representing Soft, Sostenuto and Damper pedal operations is transmitted by the Clavinova whenever one of these pedals is used. If the receiving device is a tone generator or another keyboard, it will respond in the same way as the Clavinova's internal tone generator when one of the pedals is used. The Clavinova also receives and responds to the appropriate control change data. See "Control Change ON/OFF" on page 19 for information on turning control change number reception and transmission ON or OFF.

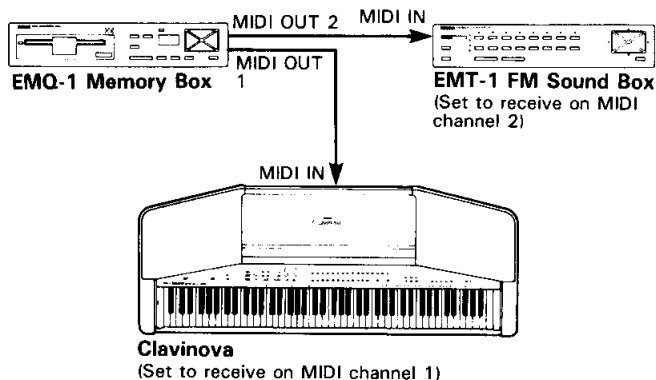
AVAILABLE MIDI FUNCTIONS

Function	Voice Selector*
Send Channel Select	PIANO 1/2
Receive Channel Select	PIANO 3/4
Local ON/OFF	E. PIANO 1/2
Program Change ON/OFF	HARPSICHORD 1/2
Control Change ON/OFF	VIBES 1/2
Multi-Timbre Mode ON/OFF	GUITAR/JAZZ GUITAR
Split Send Mode	STRINGS/S. STRINGS
MIDI Clock Select	BRASS/MUTE BRASS
Panel Data Transmit	WOOD 1/2
Bulk Dump	UPRIGHT 1/2

* The MIDI functions listed above are engaged by holding down the MIDI/TRANPOSE button and pressing the corresponding voice selector. Full details are given in the following pages. A special MIDI mode that is currently intended for internal Yamaha use only is accessed by holding MIDI/TRANPOSE and pressing the ELECTRIC 1/2 selector. If you accidentally turn this mode ON (the ELECTRIC 1/2 LED is light when the ELECTRIC 1/2 selector is pressed while MIDI/TRANPOSE is held), turn it OFF by holding MIDI/TRANPOSE and pressing the ELECTRIC 1/2 selector again (the ELECTRIC 1/2 LED should go out).

MIDI Transmit & Receive Channel Selection

The MIDI system allows transmission and reception of MIDI data on 16 different channels. Multiple channels have been implemented to allow selective control of certain instruments or devices connected in series. For example, a single MIDI sequence recorder could be used to "play" two different instruments or tone generators. One of the instruments or tone generators could be set to receive only on channel 1, while the other is set to receive on channel 2. In this situation the first instrument or tone generator will respond only to channel-1 information transmitted by the sequence recorder, while the second instrument or tone generator will respond only to channel-2 information. This allows the sequence recorder to "play" two completely different parts on the receiving instruments or tone generators.



In any MIDI control setup, the MIDI channels of the transmitting and receiving equipment must be matched for proper data transfer. An "OMNI" receive mode is also available, which allows reception on all 16 MIDI channels. In the OMNI mode it is not necessary to match the receive channel of the receiving device to the the transmit channel of the transmitting device (except when receiving mode messages).

Setting the Clavinova MIDI Channels

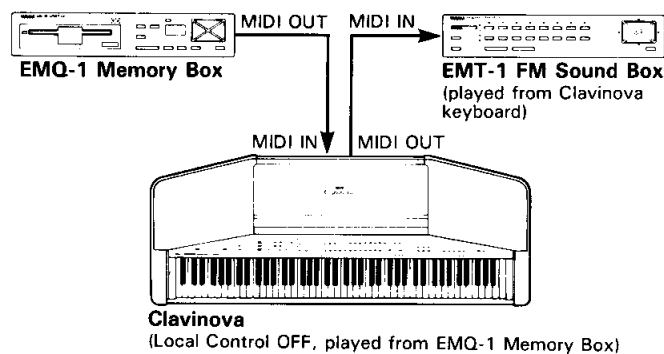
1. Press and hold the MIDI/TRANPOSE button, then press the PIANO 1/2 voice selector to set the send channel or the PIANO 3/4 voice selector to set the receive channel.
2. Use the tempo ◀ and ▶ buttons to select the desired channel (the selected channel number is shown on the Beat/Tempo display—the OMNI receive mode is indicated by "ALL" on the display).

Note: When the power is initially turned ON, MIDI receive is set to the OMNI mode and the transmit channel is set to 1.

Local Control ON/OFF

"Local Control" refers to the fact that, normally, the Clavinova keyboard controls its internal tone generator, allowing the internal voices to be played directly from the keyboard. This situation is "Local Control ON" since the internal tone generator is controlled locally by its own keyboard.

Local control can be turned OFF, however, so that the Clavinova keyboard does not play the internal voices, but the appropriate MIDI information is still transmitted via the MIDI OUT connector when notes are played on the keyboard. At the same time, the internal tone generator responds to MIDI information received via the MIDI IN connector. This means that while an external MIDI sequence recorder such as the Yamaha EMQ-1 Memory Box, for example, plays the Clavinova's internal voices, an external tone generator such as the EMT-1 can be played from the Clavinova keyboard. Local Control is automatically turned ON when the power is initially turned ON.



Turning Local Control ON/OFF

1. Hold down the MIDI/TRANPOSE button.
2. Press the E. PIANO 1/2 voice selector. If the E. PIANO 1/2 LED is lit when the voice selector is pressed, you have turned local control OFF. If the E. PIANO 1/2 LED is not lit when the voice selector is pressed, you have turned local control ON.
3. Release the MIDI/TRANPOSE button.

Program Change ON/OFF

Normally the Clavinova will respond to MIDI program change numbers received from an external keyboard or other MIDI device, causing the correspondingly numbered Clavinova voice to be selected. The Clavinova will normally also send a MIDI program change number whenever one of its voices is selected, causing the correspondingly numbered voice or program to be selected on the external MIDI device if the device is set up to receive and respond to MIDI program change numbers.

This function makes it possible to cancel program change number reception and transmission so that voices can be selected on the Clavinova without affecting the external MIDI device, and vice versa. Program Change is automatically turned ON when the power is initially turned ON.

1. Hold down the MIDI/TRANPOSE button.
2. Press the HARPSICHORD 1/2 voice selector. If the HARP-SICHORD 1/2 LED is lit when the voice selector is pressed, you have turned program change reception/transmission OFF. If the HARPSICHORD 1/2 LED is not lit when the voice selector is pressed, you have turned program change reception/transmission ON.
3. Release the MIDI/TRANPOSE button.

Control Change ON/OFF

Normally the Clavinova will respond to MIDI control change data received from an external MIDI device or keyboard, causing the selected Clavinova voice to be affected by pedal and other "control" settings received from the controlling device. The Clavinova also transmits MIDI control change information when either of its pedals are operated.

This function makes it possible to cancel control change data reception and transmission if you do not want the Clavinova voices to be affected by control change data received from an external device or vice versa. Control Change is automatically turned ON when the power is initially turned ON.

1. Hold down the MIDI/TRANPOSE button.
2. Press the VIBES 1/2 voice selector. If the VIBES 1/2 LED is lit when the voice selector is pressed, you have turned control change reception/transmission OFF. If the VIBES 1/2 LED is not lit when the voice selector is pressed, you have turned control change reception/transmission ON.
3. Release the MIDI/TRANPOSE button.

The Multi-Timbre Mode

The Multi-Timbre mode is a special mode in which the Clavinova voices can be independently controlled on different MIDI channel numbers (1 through 10 and 15) by an external MIDI device such as the Yamaha EMQ-1 Memory Box. The Multi-Timbre mode is automatically turned OFF when the power is initially turned ON. The Multi-Timbre mode can be activated as follows:

1. Hold down the MIDI/TRANPOSE button.
2. Press the GUITAR/JAZZ GUITAR voice selector. If the GUITAR/JAZZ GUITAR LED is lit when the voice selector is pressed, you have turned the Multi-Timbre mode ON. If the GUITAR/JAZZ GUITAR LED is not lit when the voice selector is pressed, you have turned the Multi-Timbre mode OFF.
3. Release the MIDI/TRANPOSE button.

When the Multi-Timbre mode is ON, the following voices are initially assigned to the following channels:

Channel	Voice
1	PIANO 1
2	E. PIANO 1
3	E. BASS 1
4	VIBES 1
5	GUITAR
6	STRINGS
7	BRASS
8	WOOD 1
9	UPRIGHT 1
10	HARPSICHORD 1
15	RHYTHM*

* The CVP-30's rhythm instruments are controlled via MIDI channel 15. The note assignments for the various rhythm instruments are given below:

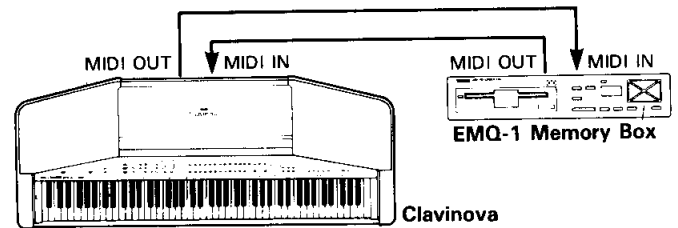
RHYTHM INSTRUMENT NOTE ASSIGNMENTS

Note (MIDI Note No.)	Instrument
F#4 (78)	RIM SHOT
G4 (79)	BASS DRUM
G#4 (80)	BRUSH
A4 (81)	SNARE DRUM NORMAL
A#4 (82)	HI-HAT CLOSED
B4 (83)	SNARE GATE ECHO
C5 (84)	TOM LOW
C#5 (85)	HI-HAT OPEN
D5 (86)	TOM MIDDLE
D#5 (87)	RIDE CYMBAL
E5 (88)	TOM HIGH
F5 (89)	ELECTRONIC TOM MID
F#5 (90)	CRASH CYMBAL
G5 (91)	ELECTRONIC TOM HIGH
G#5 (92)	CABASA
A5 (93)	CONGA LOW
A#5 (94)	COWBELL
B5 (95)	CONGA HIGH
C6 (96)	TIMBALE LOW
C#6 (97)	TAMBOURINE
D6 (98)	TIMBALE HIGH
D#6 (99)	TRIANGLE CLOSED
E6 (100)	METRONOME
F6 (101)	METRONOME
F#6 (102)	TRIANGLE OPEN

A Multi-Timbre Mode Example

Here's an example of how you could use the Multi-Timbre mode to record three different parts on the EMQ-1 Memory Box that will play different voices on the Clavinova when played back.

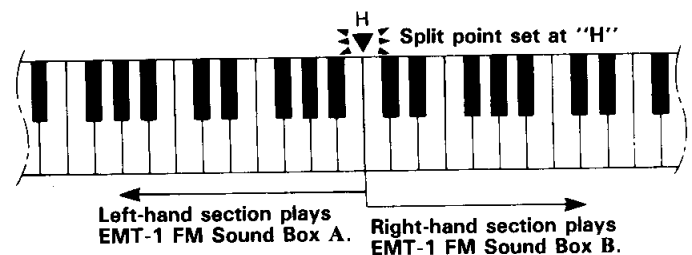
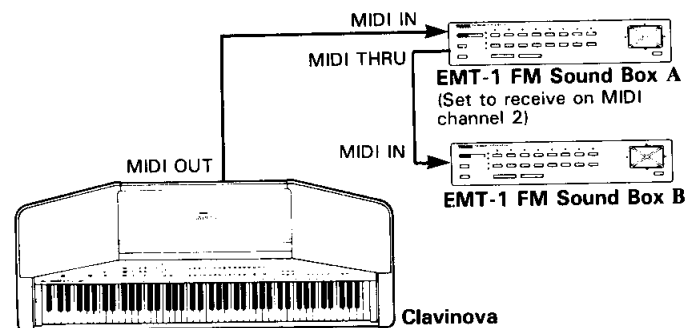
1. Connect the EMQ-1 to the Clavinova as shown below.



2. Select the first voice and MIDI transmit channel number, then record the first part on the EMQ-1.
3. Activate the Clavinova Multi-Timbre mode, then select a new MIDI transmit channel and voice and record the second part on the EMQ-1 using its overdubbing function.
4. While still in the Multi-Timbre mode, select the third MIDI transmit channel and voice and record the third part on the EMQ-1 using its overdubbing function.
5. Still in the Multi-Timbre mode, play back the EMQ-1. The recorded parts will be played back using the individual voices selected during recording, providing a full ensemble sound.

The Split Send Mode

In the split send mode note played on the lower section of the Clavinova keyboard are transmitted on MIDI channel 2, while the upper keyboard section transmits on the MIDI channel set using the Send Channel Select function described earlier. In this mode the left- and right-hand sections of the keyboard can be used to play separate external keyboards or tone generators set to receive on the appropriate channels. The split position (the key that divides the left- and right-hand sections of the keyboard) is determined by the SPLIT POSITION button in the normal way. The Split Send Mode is automatically turned OFF when the power is initially turned ON.



Activating the Split Send Mode

1. Hold down the MIDI/TRANPOSE button.

2. Press the STRINGS/S. STRINGS voice selector. If the STRINGS/S. STRINGS LED is lit when the voice selector is pressed, you have turned the Split Send Mode ON. If the STRINGS/S. STRINGS LED is not lit when the voice selector is pressed, you have turned the Split Send Mode OFF.
3. Release the MIDI/TRANSPOSE button.

MIDI Clock Select

This function determines whether the CVP-30's rhythm and PIANO ABC timing is controlled by the CVP-30's own internal clock or an external MIDI clock signal received from external equipment connected to the MIDI IN connector. The Clock Mode is automatically set to INTERNAL when the power is initially turned ON.

1. Hold down the MIDI/TRANSPOSE button.
2. Press the BRASS/MUTE BRASS voice selector. If the BRASS/MUTE BRASS LED is lit when the voice selector is pressed, you have set the Clock Mode to EXTERNAL. If the BRASS/MUTE BRASS LED is not lit when the voice selector is pressed, you have set the Clock Mode to INTERNAL.
3. Release the MIDI/TRANSPOSE button.

Note: If the Clock Mode is set to EXTERNAL and a MIDI clock signal is not being received from an external source, the CVP-30 rhythm, PIANO ABC and other clock-dependent features will not operate.

Panel Data Send

This function causes all the current Clavinova control settings (selected voice, etc) to be transmitted via the MIDI OUT terminal. This is particularly useful if you will be recording performances to a MIDI sequence recorder* which will be used to control the Clavinova on playback. By transmitting the Clavinova panel settings and recording them on the MIDI sequence recorder prior to the actual performance data, the Clavinova will be automatically restored to the same settings when the performance is played back.

* The Yamaha EMQ-1 Memory Box automatically receives and records the Clavinova panel settings when a recording is begun, so this function is most useful with MIDI sequence recorders other than the EMQ-1.

1. Hold down the MIDI/TRANSPOSE button.
2. Press the WOOD 1/2 voice selector.
3. Release the MIDI/TRANSPOSE button.

Note: The WOOD 1/2 voice selector LED remains lit while the data is being sent.

Bulk Data Dump

This function is used to transmit all data stored in the Performance and Registration Memory to a MIDI data storage device such as the Yamaha EMQ-1 Memory Box, other sequence recorders or MIDI compatible computers.

1. Hold down the MIDI/TRANSPOSE button.
2. Press the UPRIGHT 1/2 voice selector.
3. Release the MIDI/TRANSPOSE button.

Note: The UPRIGHT 1/2 voice selector LED remains lit while the data is being sent.

MIDI Specifications for Other Equipment

When using the Clavinova with other MIDI equipment, always refer to the MIDI specifications (implementation chart and MIDI data format) of the equipment used to ensure compatibility.

TROUBLESHOOTING

If you encounter what appears to be a malfunction, please check the following points before assuming that your Clavinova is faulty.

1. No Sound When the Power is Turned ON

Is the AC plug properly connected to an AC wall outlet? Check the AC connection carefully. Is the MASTER VOLUME control turned up to a reasonable listening level?

2. The Clavinova Reproduces Radio or TV Sound

This can occur if there is a high-power transmitter in your vicinity. Contact your Yamaha dealer.

3. Intermittent Static Noise

This is usually due to turning ON or OFF a household appliance or other electronic equipment which is fed by the same AC mains line as your Clavinova.

4. Interference Appears On Radio or TV Sets Located Near the Clavinova

The Clavinova contains digital circuitry which can generate radio-frequency noise. The solution is to move the Clavinova further away from the affected equipment, or vice versa.

5. Distorted Sound When the Clavinova is Connected to An External Amplifier/Speaker System

If the Clavinova is connected to a stereo system or instrument amplifier and the sound is distorted, reduce the setting of the Clavinova volume control to a level at which the distortion ceases.

OPTIONS & EXPANDER MODULES

OPTIONS

BC-7 Bench

A stable, comfortable bench styled to match your Yamaha Clavinova.

HPE-5 Stereo Headphones

High-performance lightweight dynamic headphones with extra-soft ear pads.

PCS-3 Connecting Cord

For connecting the Clavinova to a stereo system or other audio equipment.

EXPANDER MODULES

Sound Box EMT-10.....	AWM Sound Expander
Sound Box EMT-1	FM Sound Expander
Memory Box EMQ-1	Disk Recorder
Drum Box EMR-1.....	Digital Drummer
Reverb Box EME-1	Digital Reverb

These state-of-the-art Expander Modules can dramatically expand the musical scope of your Clavinova.

Note: Some items may not be available in certain areas.

MIDI DATA FORMAT

If you're already very familiar with MIDI, or are using a computer to control your music hardware with computer-generated MIDI messages, the data provided in this section can help you to control the Clavinova.

1. NOTE ON/OFF

Data format: [9 × H] → [kk] → [vv]

9 × H = Note ON/OFF event (x = channel number)

kk = Note number (21 ~ 108 = A-1 ~ C7)

vv = Velocity (Key ON = 1 ~ 127. Key OFF = 0)

* Note OFF event format [8 × H] → [kk] → [vv] also recognized (reception only, vv = 0 ~ 127).

2. CONTROL CHANGE & MODE MESSAGES

Data format: [B × H] → [cc] → [dd]

B × H = Control event (x = channel number)

cc = Control number (or mode message number)

dd = Control value

cc	PARAMETER	dd
40H	Damper pedal	0 ~ 3FH = OFF; 40H ~ 7FH = ON
42H	Sostenuto pedal	0 ~ 3FH = OFF; 40H ~ 7FH = ON
43H	Soft pedal	0 ~ 3FH = OFF; 40H ~ 7FH = ON
7AH	Local ON/OFF	0 = OFF; 7FH = ON
7BH	All notes OFF	0
7CH	OMNI OFF/All notes OFF	0
7DH	OMNI ON/All notes OFF	0

* 7AH, 7BH, 7CH and 7DH are receive only.

3. PROGRAM CHANGE

Data format: [C × H] → [dd]

C × H = program event (x = channel number)

dd = Program number

dd	VOICE
00H	PIANO 1
01H	PIANO 3
02H	E.PIANO 1
03H	HARPSICHORD 1
04H	VIBES 1
05H	GUITAR
06H	STRINGS
07H	BRASS
08H	WOOD 1
09H	UPRIGHT 1
0AH	ELECTRIC 1
0BH	DRUMS
0CH	PIANO 2
0DH	PIANO 4
0EH	E.PIANO 2
0FH	HARPSICHORD 2
10H	VIBES 2
11H	J.GUITAR
12H	S.STRINGS
13H	MUTE BRASS
14H	WOOD 2
15H	UPRIGHT 2
16H	ELECTRIC 2
17H	DRUMS

* No voice change is made when dd > 17H.

* When the Multi-Timbre mode is ON, program change numbers received on channel 15 select the following rhythm patterns rather than voices:

dd RHYTHM PATTERN

00H	POPS 1
01H	POPS 3
02H	ROCK'N ROLL
03H	DISCO 1
04H	16 BEAT 1
05H	16 BEAT 3
06H	SHUFFLE
07H	SWING 1
08H	BALLAD
09H	BOOGIE
0AH	BOSSA NOVA 1
0BH	SAMBA
0CH	TANGO
0DH	SALSA
0EH	MARCH
0FH	WALTZ
10H	POPS 2
11H	POP ROCK
12H	SLOW ROCK
13H	DISCO 2
14H	16 BEAT 2
15H	COUNTRY
16H	BOUNCE
17H	SWING 2
18H	JAZZ WALTZ
19H	RAGTIME
1AH	BOSSA NOVA 2
1BH	RHUMBA
1CH	REGGAE
1DH	LATIN POP
1EH	CLASSIC
1FH	METRANOME

4. SYSTEM REALTIME MESSAGES

Active Sensing (FEH)

Transmitted every 200 milliseconds. If not received for more than 400 milliseconds a NOTE OFF occurs.

Timing Clock (F8H)

Start (FAH)

Stop (FBH)

5. SYSTEM EXCLUSIVE MESSAGES

(1) SK/Clavinova Messages

Data format: [F0H] → [43H] → [73H] → [ID CODE] → [xx] → [F7H]

43H = YAMAHA ID

73H = SINGLE KEYBOARD ID

ID CODE = 01H (all), 1BH (Clavinova), or 1CH/1DH (CVP-20/CVP-30)

xx SEND/RECEIVE DATA

13H Multi-Timbre mode OFF

15H Multi-Timbre mode ON

7nH Receive channel change (receive only)

02H Internal Clock (receive only)

03H External Clock (receive only)

(2) CVP-20/CVP-30 Messages

Data format: [F0H] → [43H] → [73H] → [1CH] → [xx] → [F7H]

43H = YAMAHA ID

73H = SINGLE KEYBOARD ID

1CH = CVP-20 ID

xx SEND/RECEIVE DATA

6nH Track "n" sequence playback ON (receive only)

5nH Track "n" sequence playback OFF (receive only)

40H Rhythm number change*

41H FILL IN switch ON

42H INTRO/ENDING switch ON

43H Tempo UP (switch ON only)

44H Tempo DOWN (switch ON only)

45H Tempo Center

46H Reverb ON (HALL 1 select) (receive only)

47H Reverb OFF (receive only)

* Rhythm number change data format: [F0H]→[43H]→[73H]→[1CH]→[40H]→[yy]→[F7]. yy = 0—1FH for panel rhythms, 62H for no-rhythm 3/4, 63H for no-rhythm 4/4.

(3) CVP-30 Only Messages

Data format: [F0H]→[43H]→[73H]→[1DH]→[11H]→[0nH]→[59H]→[yy]→[F7H]

43H = YAMAHA ID

73H = SINGLE KEYBOARD ID

1DH = CVP-30 ID

11H = SINGLE KEYBOARD special control code

0nH = MIDI channel number

59H = REVERB

yy SEND/RECEIVE DATA

00H OFF

01H ROOM

02H HALL 1

03H HALL 2

04H COSMIC

(4) General Messages

Note: CVP-20 ID (1CH) or CVP-30 ID (1DH) accepted. Transmitted using CVP-20 ID.

a) Panel Dump Request

Data format: [F0H]→[43H]→[2nH]→[7CH]→[F7H]

Panel data is transmitted when the above data is received.

2nH = Panel dump request ("n" is channel number).

b) Panel Dump

Data format: [F0H]→[43H]→[0nH]→[7CH].....[F7H]

0nH = Panel dump ("n" is channel number).

7CH = Format code.

c) Bulk Dump Request

Data format: [F0H]→[43H]→[73H]→[ID CODE]→[07H]→[F7H]

ID CODE = 01H, 1BH, 1CH or 1DH.

07H = Bulk dump request.

A bulk dump is performed when the above data is received.

d) Bulk Dump

Data format: [F0H]→[43H]→[73H]→[1CH]→[06H]→['A']→[NUMBER OF BYTES].....[F7H]

'A' = Header (ASCII "A" = 41H).

[NUMBER OF BYTES] = [Hh]→[Hi]→[Lh]→[Li].

Bulk dump data follows "NUMBER OF BYTES."

- All MIDI data available for general use are given above.

SPECIFICATIONS

TECHNISCHE DATEN

SPECIFICATIONS

ESPECIFICACIONES

- * Specifications subject to change without notice.
- * Änderungen ohne Vorankündigung vorbehalten.
- * Sous toute réserve de modification des caractéristiques sans préavis.
- * Especificaciones sujetas a cambio sin previo aviso.

CVP-30	
KEYBOARD	88 KEYS (A-1 ~ C7)
tone generator	AWM (Advanced Wave Memory)
VOICE SELECTORS & CONTROLS	PIANO 1/2/3/4, E.PIANO 1/2, HAPSICHORD 1/2, VIBES 1/2, GUITAR, JAZZ GUITAR, STRINGS, S.STRINGS, BRASS, MUTE BRASS, WOOD 1/2, UPRIGHT BASS 1/2, ELECTRIC BASS 1/2, DRUMS, LOWER VOICE, LOWER ON
PIANO ABC & CONTROLS	SINGLE FINGER, FINGERED, CHORD VOICE, CHORD VOLUME, BASS VOICE, BASS VOLUME, SPLIT POSITION
RHYTHM SELECTORS & CONTROLS	POPS 1/2/3, POP ROCK, ROCK'N'ROLL, SLOW ROCK, DISCO 1/2, 16BEAT 1/2/3, COUNTRY, SHUFFLE, BOUNCE, SWING 1/2, BALLAD, JAZZ WALTZ, BOOGIE, RAGTIME, BOSSA NOVA 1/2, SAMBA, RHUMBA, TANGO, REGGAE, SALSA, LATIN POP, MARCH, CLASSIC, WALTZ, METRONOME, RHYTHM VOLUME, START, STOP, SYNCHRO START, INTRO./ENDING, FILL IN, ◀, ▶, TEMPO INDICATOR
KEYBOARD PERCUSSION	RIM SHOT, BASS DRUM, BRUSH, SNARE DRUM NORMAL, HI-HAT CLOSED, SNARE GATE ECHO, TOM LOW, HI-HAT OPEN, TOM MID, RIDE CYMBAL, TOM HIGH, ELECTRONIC TOM MID, CRASH CYMBAL, ELECTRONIC TOM HIGH, CABASA, CONGA LOW, COWBELL, CONGA HIGH, TIMBALE LOW, TAMBOURINE, TIMBALE HIGH, TRIANGLE CLOSED, METRONOME, TRIANGLE OPEN
SOLO STYLEPLAY	POP ORCHESTRA, JAZZ QUARTET, COCKTAIL PIANO, COUNTRY PIANO, ROCK BAND
REVERB	ROOM, HALL 1/2, COSMIC
PERFORMANCE MEMORY	RECORD 1/2/3, PLAY BACK 1/2/3
REGISTRATION MEMORY	MEMORY, RECALL
PEDAL CONTROLS	DAMPER, SOFT (SOSTENUTO, START/STOP, INTRO./ENDING, FILL IN, S.STYLEPLAY)
OTHER CONTROLS	MASTER VOLUME, MIDI/TRANPOSE, POWER
JACKS & CONNECTORS	HEADPHONES, AUX OUT L/R, OPTIONAL IN L/R, OPTIONAL OUT L/R, MIDI IN/OUT/THRU
INPUT & OUTPUT LEVEL/IMPEDANCE	OPTIONAL IN: 22kΩ / -10dB nominal. AUX OUT: 600Ω / -7dB when OPTIONAL IN level is -10dB. OPTIONAL OUT: 600Ω / 1 ~ 4Vpp (normal output level).
MAIN AMPLIFIER	60W (30W × 2)
SPEAKERS	13cm (5-1/8'') × 2, 5cm (1-8/9'') × 2
DIMENSIONS	141.6cm (W) × 56.2cm (D) × 79.5cm (H) (55-3/4'' × 22-1/8'' × 31-1/3'')
WEIGHT	56kg (123.5 lbs.)

Function		Transmitted	Recognized	Remarks
Basic	Default	: 1	: 1	
Channel	Changed	: 1-16	: 1-16	
Mode	Default	: 3	: 1	
	Messages	: X	: OMNIon,OMNIoff	
		: *****	: X	
Note		: 21-108	: 21-108	
Number	: True voice	: *****	: 21-108	
Velocity	Note on	: 0 9nH,v=1-127	: 0 v=1-127	
	Note off	: X 9nH,v=0	: X	
After	Key's	: X	: X	
Touch	Ch's	: X	: X	
Pitch Bender		: X	: X	
Control	07	: X	: 0	*1 :Volume
Change	64	: 0	: 0	:Damper
	66	: 0	: 0	*2 :Sostenuto
	67	: 0	: 0	:Soft Pedal
Program		: 0 0-23 *4	: 0 0-23 *3	
Change	: True #	: *****	: 0-23	
System Exclusive		: 0	: 0	
System	: Song Pos	: X	: X	
	: Song Sel	: X	: X	
Common	: Tune	: X	: X	
System	:Clock	: 0	: 0	
Real Time	:Commands	: 0	: 0	
Aux	:Local ON/OFF	: X	: 0	
	:All Notes OFF	: X	: 0 (123-125) *5	
Mes-	:Active Sense	: 0	: 0	
sages:	Reset	: X	: X	
Notes	: *1 = receive if multi-timbre mode is on			
	: *2 = receive if multi-timbre mode is off			
	: *3 = ch15(rhythm) receive 0-31 98 99,if multi-timbre is on			
	: *4 = ch15(rhythm) transmit 0-31,if multi-timbre is on			
	: *5 = receive (123) if omni off			
Mode 1	: OMNI ON, POLY	Mode 2	: OMNI ON, MONO	0 : Yes
Mode 3	: OMNI OFF, POLY	Mode 4	: OMNI OFF, MONO	X : No

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 guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

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

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

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

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

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

Wichtiger Hinweis für die Benutzung in der Bundesrepublik Deutschland.

Bescheinigung des Importeurs

Hiermit wird bescheinigt, daß der/die/das

Electronic Piano Typ: CVP-30

(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.

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.

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 RADIOELECTRIQUE EDICTE PAR LE MINISTERE DES COMMUNICATIONS DU CANADA.

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

• Ceci ne s'applique qu'aux produits distribués par Yamaha Canada Musique Ltée.

IMPORTANT NOTICE FOR THE UNITED KINGDOM

Connecting the Plug and Cord

IMPORTANT. the wires in this 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.

• This applies only to products distributed by Yamaha-Kemble Music (U.K.) Ltd.

YAMAHA