

YAMAHA

Clavinova

CLP-760

Owner's Manual
Bedienungsanleitung
Mode d'emploi
Manual de instrucciones

IMPORTANT

Check your power supply

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

WICHTIG

Überprüfen der Netzspannung

Sicherstellen, daß die örtliche Netzspannung den Angaben zur Betriebsspannung auf der Rückseite des Keyboards entspricht. Die Modelle für einige Bestimmungsländer weisen einen Spannungswähler auf der Rückseite auf. In diesem Fall darauf achten, daß die Einstellung des Spannungswählers der Netzspannung entspricht.

IMPORTANT

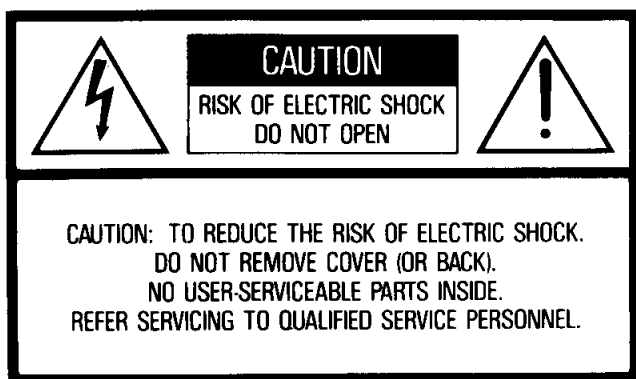
Contrôler la source d'alimentation

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

IMPORTANTE

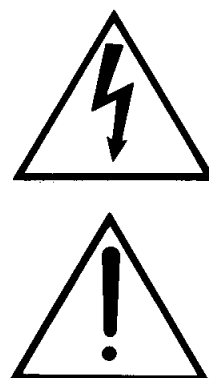
Verifique la alimentación de corriente

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



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:
 - a. The power-supply cord or plug has been damaged; or
 - b. Objects have fallen, or liquid has been spilled into the product; or
 - c. The product has been exposed to rain; or
 - d. The product does not operate, exhibits a marked change in performance; or
 - e. The product has been dropped, or the enclosure of the product has been damaged.
13. 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 60) for additional information.

PLEASE KEEP THIS MANUAL
FOR FUTURE REFERENCE!

INTRODUCTION

Thank you for choosing a Yamaha CLP-760 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.

- Stereo sampling of the acoustic piano voices offers unmatched realism and expressive power, while the AWM (Advanced Wave Memory) tone generator system offers rich, realistic reproductions of all other voices.
- 16 or 32-note polyphony, depending on the selected voice, permits use of the most sophisticated playing techniques.
- Piano-like touch response — adjustable in 3 stages — provides extensive expressive control and outstanding playability.

- Dual and split play modes allow 2 voices to be played simultaneously or individually with the left and right hands.
- A number of built-in effects for wide-ranging sonic versatility.
- Unique Clavinova Tone voice provides a fresh sound for new musical expression.
- MIDI compatibility and a range of MIDI functions make the Clavinova useful in a range of advanced MIDI music systems.

In order to make the most of your Clavinova's performance potential and features, we urge you to read this Owner's Manual thoroughly, and keep it in a safe place for later reference.

VORWORT

Herzlichen Dank für den Kauf des Yamaha Clavinovas CLP-760. Ihr Clavinova ist ein vielseitiges Keyboard, das mit modernster Yamaha Musiktechnologie arbeitet. Bei umsichtiger Handhabung wird es Ihnen viele Jahre Musikspaß bieten.

- Stereo-Sampling von akustischen Klavierklängen sorgt für unvergleichlich realistische Stereo-Pianostimmen mit natürlicher Ausdrucksvielfalt, während das Yamaha AWM Wellenspeicher-Tongeneratorsystem volle, natürlich klingende Stimmen auf der Basis von digital aufgezeichneten Instrumenten erzeugt.
- Die 16 oder 32-notige Polyphonie (je nach gewählter Stimme) erlaubt komplizierteste Spieltechniken.
- Die pianoähnliche Anschlagsansprache (drei Empfindlichkeiten vorwählbar) des Clavinovas ermöglicht eine nuancenreiche Akzentuierung und exakte Expression.

- Mit der DUAL-Betriebsart können zwei Stimmen simultan über die gesamte Klaviatur gespielt werden, während die SPLIT-Betriebsart zwei Stimmen jeweils verschiedenen Klaviaturhälften zuweist.
- Eine Reihe von internen Effekten erlaubt zahlreiche Klangvariationen.
- Die spezielle CLAVINOVA TONE-Stimme bewirkt einen lebendigen neuen Sound.
- Aufgrund der MIDI-Kompatibilität und der integrierten MIDI-Funktionen kann das Clavinova problemlos in komplexe MIDI-Systeme integriert werden.

Um das großartige Potential des Clavinovas voll ausschöpfen zu können, bitten wir Sie diese Bedienungsanleitung sorgfältig zu lesen und zur späteren Bezugnahme an einem sicheren Ort aufzubewahren.

INTRODUCTION

Nous vous remercions d'avoir choisi le Clavinova Yamaha CLP-760. 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 d'échantillonnage stéréo des voix de piano acoustique vous offre une puissance d'expression et un réalisme inégalés, alors que le système générateur de sons AWM (de l'anglais Advanced Wave Memory) ultra-sophistiqué de Yamaha permet une reproduction riche et réaliste de toutes les autres voix.
- Une polyphonie de 16 ou de 32 notes (selon la voix sélectionnée) permet d'utiliser des techniques d'exécution extrêmement complexes.
- Une réponse au toucher similaire à celle d'un piano — réglable sur 3 paliers — vous permet un plus grand con-

trôle de l'expression et vous offre des possibilités d'exécution extraordinaires.

- Les modes d'exécution double et split permettent de jouer 2 voix simultanément ou individuellement avec la main droite et la main gauche.
- Un certain nombre d'effets incorporés offrent une grande diversification de tonalité.
- La voix CLAVINOVA TONE au son unique vous offre de nouvelles possibilités d'expression
- La compatibilité MIDI et toute une série de fonctions MIDI permettent d'utiliser le Clavinova dans de très nombreux systèmes musicaux MIDI.

Afin d'obtenir du Clavinova le maximum des possibilités et fonctions qu'il offre, nous vous conseillons de lire attentivement ce manuel d'instructions et de le conserver dans un endroit sûr afin de pouvoir vous y référer ultérieurement si besoin est.

INTRODUCCIÓN

Muchas gracias por comprar una Clavinova CLP-760 de Yamaha. Su Clavinova es un buen instrumento musical que emplea la avanzada tecnología musical de Yamaha. Con un cuidado apropiado, le dará muchos años de placer musical.

- El muestreo estéreo de las voces de piano acústico ofrece un realismo y un poder de expresión sin precedentes, mientras que el sistema del generador de tonos AWM (Memoria de Ondas Avanzada) ofrece unas reproducciones ricas y reales de todas las voces.
- Polifonía de 16 ó 32 notas, dependiendo de la voz seleccionada, que permiten el uso de las técnicas de interpretación más sofisticadas.
- Respuesta de pulsación como un piano acústico, ajustable en 3 etapas, proporciona un gran control expresivo y una excelente capacidad de interpretación.

- Los modos dual y dividido permiten tocar simultáneamente 2 voces o individualmente con las manos izquierda y derecha.
- Numerosos efectos incorporados para proporcionar una versatilidad de sonido de amplia gama.
- La voz de tono exclusiva de CLAVINOVA TONE proporciona un nuevo sonido para una nueva expresión musical.
- Compatibilidad MIDI y un margen de funciones MIDI que hacen a la Clavinova útil en un margen de sistemas musicales MIDI avanzados.

Para poder aprovechar al máximo el potencial de interpretación y características de la Clavinova, le aconsejamos leer este manual del propietario completamente, y guárdelo en un lugar seguro para futuras referencias.

CONTENTS

KEYBOARD STAND ASSEMBLY	4
TAKING CARE OF YOUR CLAVINOVA	10
THE CONTROLS & CONNECTORS—	
GENERAL OPERATION	10
PREPARATION.....	13
PLAYING THE CLAVINOVA	13
THE DUAL MODE	14
Slow-attack Strings	14
Adjusting the Balance Between the Dual-	
mode Voices	14
THE SPLIT MODE.....	14
Changing Voices	14
Changing the Split Point	14
Adjusting the Balance Between the Left- and	
Right-Hand Voices.....	14
TRANSPOSITION	14
PITCH CONTROL	15
INDIVIDUAL KEY TUNING.....	15
FACTORY PRESET RECALL	15
MIDI FUNCTIONS	16
A Brief Introduction to MIDI.....	16
MIDI "Messages" Transmitted & Received by	
the Clavinova.....	16
MIDI Transmit & Receive Channel Selection	
.....	16
MIDI FUNCTION CHART.....	17
Local Control ON/OFF.....	17
Program Change ON/OFF.....	18
Control Change ON/OFF.....	18
The Multi-Timbre Mode	18
The Split & Left Local OFF Mode.....	19
The Split & Right Local OFF Mode.....	19
Transmitting the Panel Settings	19
TROUBLESHOOTING	20
OPTIONS & EXPANDER MODULES	20
MIDI DATA FORMAT	21
SPECIFICATIONS.....	58

INHALT

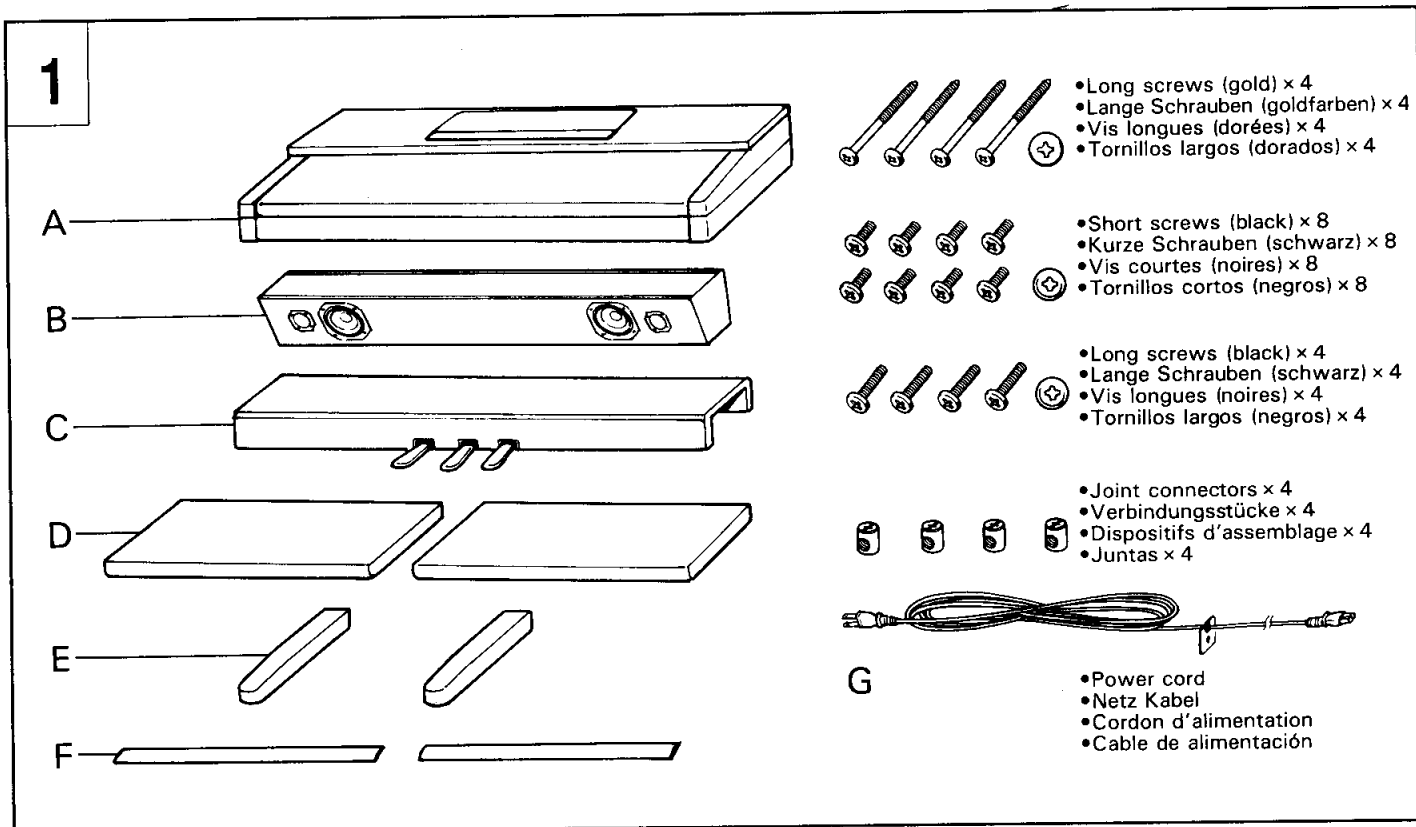
ZUSAMMENBAU DES KEYBOARDSTÄNDERS	
UND AUFSTELLUNG	4
VORSICHTSMASSNAHMEN	22
BEDIENELEMENTE UND ANSCHLÜSSE	22
VORBEREITUNG.....	25
SPIELEN AUF DEM CLAVINOVA	25
DUAL-BETRIEBSART	26
Streicher mit langsamer Einschwingung.....	26
Balanceabgleich zwischen beiden Stimmen.....	26
SPLIT-BETRIEBSART	26
Wechseln von Stimmen.....	26
Verändern des Teilungspunkt.....	26
Balanceabgleich zwischen linker und rechter	
Stimme	26
TRANSPOSITION	26
EINSTIMMFUNKTION	27
STIMMEN VON EINZELNEN TASTEN	27
RÜCKSTELLUNG AUF	
WERKSVOREINSTELLUNG.....	27
MIDI-FUNKTIONEN	28
Eine kurze Einführung in MIDI.....	28
Vom Clavinova übertragene und empfangene	
MIDI-Meldungen.....	28
Wahl des MIDI-Sende/Empfangskanals	28
MIDI-FUNKTIONSLISTE	29
Lokalsteuerung AN/AUS	29
Programmwechsel AN/AUS	30
Steuerelement AN/AUS.....	30
Die Multi-Timbre-Betriebsart.....	30
Klaviaturteilung & Lokalsteuerung AUS für	
linke Hälfte.....	31
Klaviaturteilung & Lokalsteuerung AUS für	
rechte Hälfte	31
Übertragen der Clavinova-Einstelltdaten	31
FEHLERSUCHE	32
SONDERZUBEHÖR UND EXPANDERMODULE...32	
MIDI-DATENFORMAT	33
TECHNISCHE DATEN.....	58

TABLE DES MATIERES

SUPPORT DU CLAVIER	5
ENTRETIEN DU CLAVINOVA	34
COMMANDES ET CONNECTEURS	34
PREPARATIFS	37
EXECUTION AU CLAVINOVA	37
MODE DUAL	38
STRINGS à attaque lente	38
Réglage de l'équilibre entre les voix en mode DUAL	38
MODE SPLIT	38
Changement de voix	38
Changement du point de split	38
Réglage de l'équilibre entre la voix gauche et la voix droite	38
TRANSPOSITION	38
REGLAGE DE LA HAUTEUR TONALE	39
ACCORD INDIVIDUEL DE CHAQUE TOUCHE DU CLAVIER	39
RAPPEL DES REGLAGES D'USINE	39
FONCTIONS MIDI	40
Quelques mots sur l'interface MIDI	40
"Messages" MIDI transmis et reçus par le Clavinova	40
Sélection des canaux MIDI de transmission et de réception	40
FONCTIONS MIDI	41
Commande locale ON/OFF	41
Changement de programme ON/OFF	42
Changement de commande ON/OFF	42
Mode multitimbral	42
Mode split, local gauche OFF	43
Mode split, local droit OFF	43
Transmission des réglages de panneau	43
DEPISTAGE DES PANNES	44
OPTIONS ET MODULES EXPANDEURS	44
FORMAT DES DONNEES MIDI	45
SPECIFICATIONS	58

INDICE

MONTAJE DEL SOPORTE DEL TECLADO	5
CUIDADOS DE SU CLAVINOVA	46
CONTROLES Y CONECTORES —	
OPERACION GENERAL	46
PREPARACION	49
TOCANDO LA CLAVINOVA	49
EL MODO DUAL	50
Ataque lento STRINGS	50
Ajuste del balance entre las voces del modo dual	50
EL MODO DE DIVISION	50
Cambio de voces	50
Cambio del punto de división	50
Ajuste del balance entre las voces de la mano izquierda y derecha	50
TRANSPOSICION	50
CONTROL DEL TONO	51
AFINACION DE TECLAS INDIVIDUALES	51
ACTIVACION DE LOS PREAJUSTES DE FABRICA	51
FUNCIONES MIDI	52
Una breve introducción a MIDI	52
" Mensajes " MIDI transmitidos y recibidos por la Clavinova	52
Selección del canal de transmisión y recepción MIDI	52
GRAFICO DE FUNCIONES MIDI	53
Activación/desactivación de control local	53
Activación/desactivación de cambio de programa	54
Activación/desactivación de cambio de control ...	54
Modo de timbres múltiples	54
Modo de división y desactivación local izquierda	55
Modo de división y desactivación local derecha .	55
Transmisión de los ajustes del panel	55
LOCALIZACION Y REPARACION DE AVERIAS ...	56
OPCIONES Y MODULOS EXPANSORES	56
FORMATO DE DATOS MIDI	57
ESPECIFICACIONES	58



- Long screws (gold) × 4
- Lange Schrauben (goldfarben) × 4
- Vis longues (dorées) × 4
- Tornillos largos (dorados) × 4



- Short screws (black) × 8
- Kurze Schrauben (schwarz) × 8
- Vis courtes (noires) × 8
- Tornillos cortos (negros) × 8



- Long screws (black) × 4
- Lange Schrauben (schwarz) × 4
- Vis longues (noires) × 4
- Tornillos largos (negros) × 4



- Joint connectors × 4
- Verbindungsstücke × 4
- Dispositifs d'assemblage × 4
- Juntas × 4



G

- Power cord
- Netz Kabel
- Cordon d'alimentation
- Cable de alimentación

KEYBOARD STAND ASSEMBLY

NOTE: We do not recommend attempting to assemble the Clavinova 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. Check to make sure that all the required parts are provided.

2 Install the power cord (G) in the pedal box (C).

Invert the pedal box (C) and firmly insert the power cord plate into the slot provided until it clicks into place. The short end of the power cord should be inside the pedal box. Fasten the short end of the power cord using the power cord clip so that the cord extends from the side of the pedal box as shown in the illustration. Also make sure that the pedal cable (already installed) extends from the other end of the pedal box in the same way.

3 Assemble the side panels (D) and feet (E).

Install the joint connectors in side panels (D) as shown in the illustration, then secure the feet (E) to the side panels (D) with the long gold-colored screws.

- * When installing the joint connectors in the holes in the side panels (D), make sure that the arrows printed on their upper surface face in the direction shown in the illustration.
- * Make sure that the left and right feet are facing in the proper direction as shown in the illustration. The grooved edge of each foot should face inward.

ZUSAMMENBAU DES KEYBOARDSTÄNDERS UND AUFSTELLUNG

HINWEIS: Wir raten davon ab, die Montage und Aufstellung des Clavinovas alleine auszuführen. Zwei Personen können das Clavinova jedoch problemlos zusammenbauen und aufstellen.

1 Versandkarton öffnen und alle Teile auspacken.

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

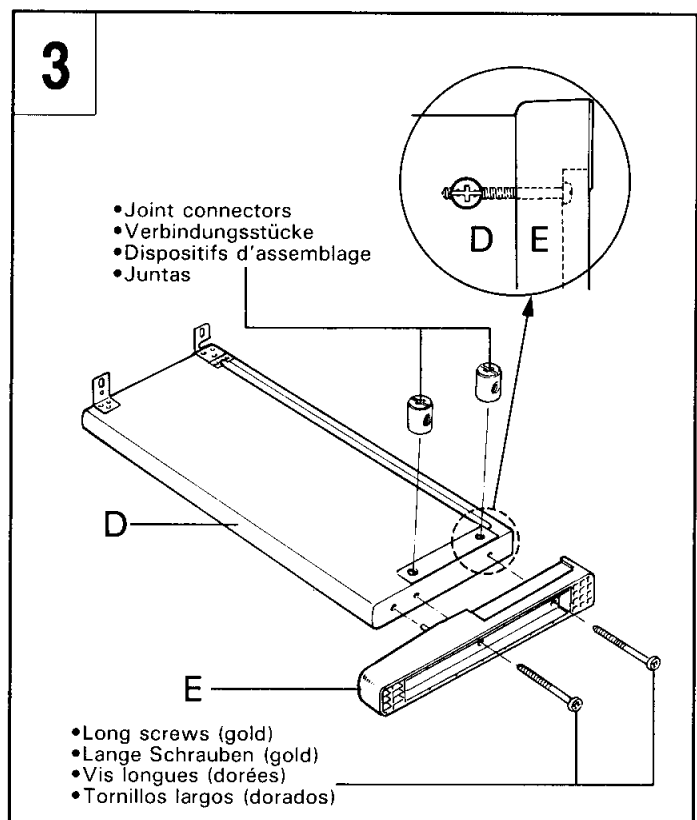
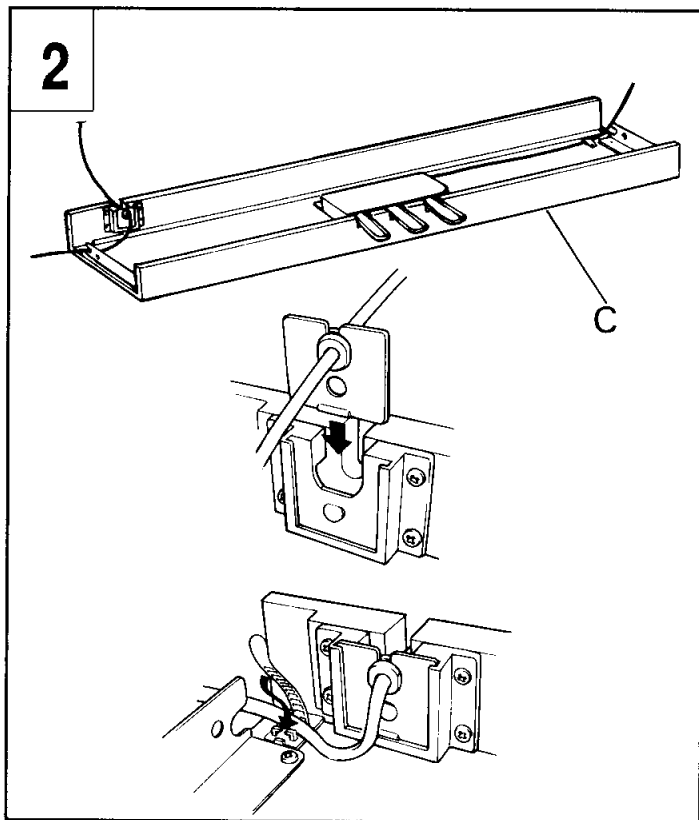
2 Das Netzkabel (G) in den Pedalkasten (C) installieren.

Den Pedalkasten (C) umdrehen und die Platte des Netzkabels in den Schlitz einrasten. Das kurze Ende des Netzkabels sollte sich im Pedalkasten befinden. Das kurze Ende des Netzkabels mit der Klemme so befestigen, daß das Netzkabel entsprechend der Abbildung aus der Seite des Pedalkastens herausragt. Außerdem sicherstellen, daß das Pedalkabel (bereits installiert) aus der anderen Seite des Pedalkastens herausführt.

3 Die Seitenplatten (D) und Füße (E) zusammenbauen.

Die Verbindungsstücke entsprechend der Abbildung in die Seitenplatten (D) einsetzen. Dann die Füße (E) mit den langen goldfarbenen Schrauben an den Seitenplatten (D) anbringen.

- * Beim Einsetzen der Verbindungsstücke in die Seitenplatten (D) sicherstellen, daß die Pfeile auf den Oberseiten wie in der Abbildung ausgerichtet sind.
- * Sicherstellen, daß linker und rechter Fuß in die gezeigte Richtung weisen. Die Fußkante mit der Nut sollte dabei nach innen zeigen.



SUPPORT DU CLAVIER

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 Poser le cordon d'alimentation (G) dans le pédalier (C)

Retourner le pédalier (C) et introduire fermement la plaque du cordon d'alimentation dans la rainure prévue à cet effet jusqu'à ce qu'elle fasse un déclic de mise en place. L'extrémité courte du cordon d'alimentation doit être placée à l'intérieur du pédalier. Fixer l'extrémité courte du cordon d'alimentation à l'aide de l'attache, de manière à ce que le cordon sorte par le côté du pédalier, comme illustré. Vérifier également que le câble de la pédale (déjà posé) sorte de la même manière de l'autre côté du pédalier.

3 Monter les panneaux latéraux (D) sur les supports inférieurs (E)

Poser les dispositifs d'assemblage sur les panneaux latéraux (D) de la manière illustrée, puis fixer les supports inférieurs (E) aux panneaux latéraux (D) à l'aide des vis longues dorées.

* Lors de la pose des dispositifs d'assemblage dans les trous des panneaux latéraux (D), veiller à ce que les flèches marquées sur leur surface supérieure pointent dans le sens indiqué sur l'illustration.

* Veiller à ce que les supports droit et gauche soient orientés de la manière illustrée. Le bord découpé de chaque support doit être dirigé vers l'intérieur.

MONTAJE DEL SOPORTE DEL TECLADO

NOTA: Aunque el soporte del teclado de la Clavinova puede montarlo sólo una persona, aconsejamos que se haga el trabajo entre dos personas porque resulta mucho más fácil.

1 Abra la caja y extraiga todas las partes.

Al abrir la caja debe buscar las partes mostradas en la ilustración. Compruebe para asegurarse de que todas las partes requeridas se han suministrado.

2 Instale el cable de alimentación (G) en la caja de pedales (C).

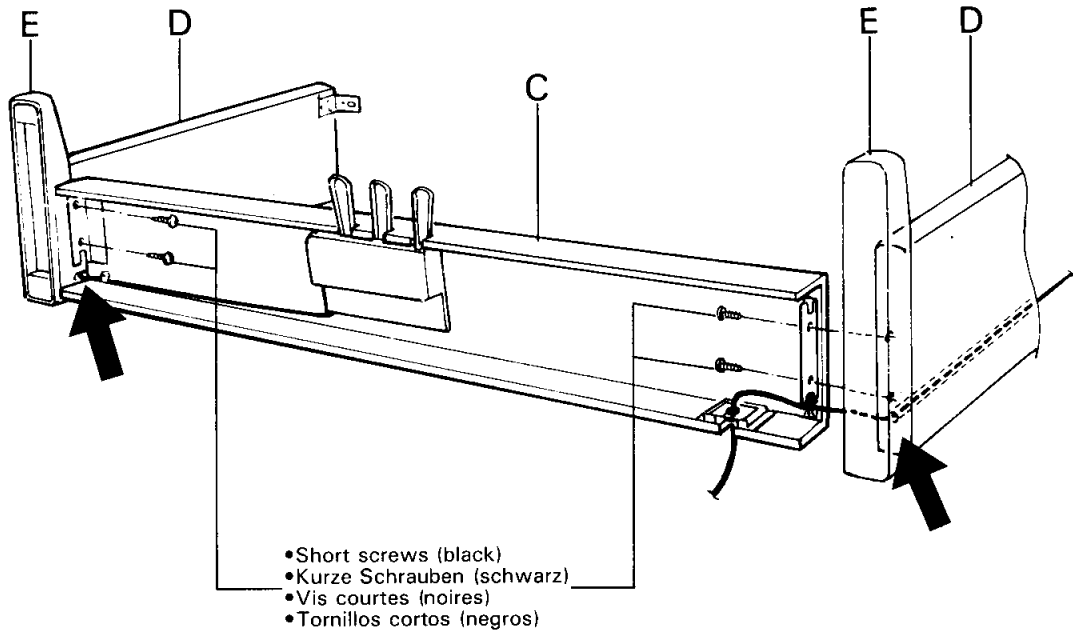
Dé la vuelta a la caja de pedales (C) e inserte firmemente la placa del cable de alimentación en la ranura incorporada hasta que produzca un sonido de seguridad. El extremo corto del cable de alimentación debe estar dentro de la caja de pedales. Apriete el extremo corto del cable de alimentación empleando el retenedor del cable de alimentación de modo que el cable se extienda desde el lado de la caja de pedales como se muestra en la ilustración. Asegúrese también que el cable de pedales (ya instalado) se extienda desde el otro extremo de la caja de pedales del mismo modo.

3 Monte los paneles laterales (D) y las patas (E)

Instale los conectores de unión en los paneles laterales (D) como se muestra en la ilustración, y entonces fije las patas (E) a los paneles laterales (D) con los tornillos dorados largos.

* Cuando instale los conectores de unión en los orificios de los paneles laterales (D), asegúrese de que las flechas impresas en sus superficies superiores indican la dirección mostrada en la ilustración.

* Asegúrese de que las patas izquierda y derecha están encaradas en la dirección correcta como se muestra en la ilustración. El borde ranurado de cada pata debe quedar encarado hacia adentro.

4

4 Attach the side panels (D) to the pedal box (C).

Attach the side panels (D) to the corresponding ends of the pedal box (C), making sure that the power cord on one side and the pedal cord on the other fit into the grooves in the side panels (D). Each side panel is attached to the pedal box using two short black screws inserted from inside the pedal box.

5 Install the cable covers (F).

Stand the pedal box/side panel assembly upright and fit the power and pedal cords into the corresponding side panel grooves with the connectors protruding from the recesses at the top of each groove, as shown in the illustration. Slide a cable cover (F) up into the recessed part of each groove, then snap the lower part of the cover into the groove.

6 Attach the speaker box (B) to the side panels (D).

Before attaching the speaker box, remove the speaker grille (the speaker grille is attached by "magic tape" and can be easily pulled away from the speaker box). Drop the speaker box (B) into place between the tops of the side panels (D), and attach each side (from the inside) using two long black screws. The grille side of the speaker box must be installed facing the same direction as the pedals on the pedal box (C).

4 Die Seitenplatten (D) am Pedalkasten (C) anbringen.

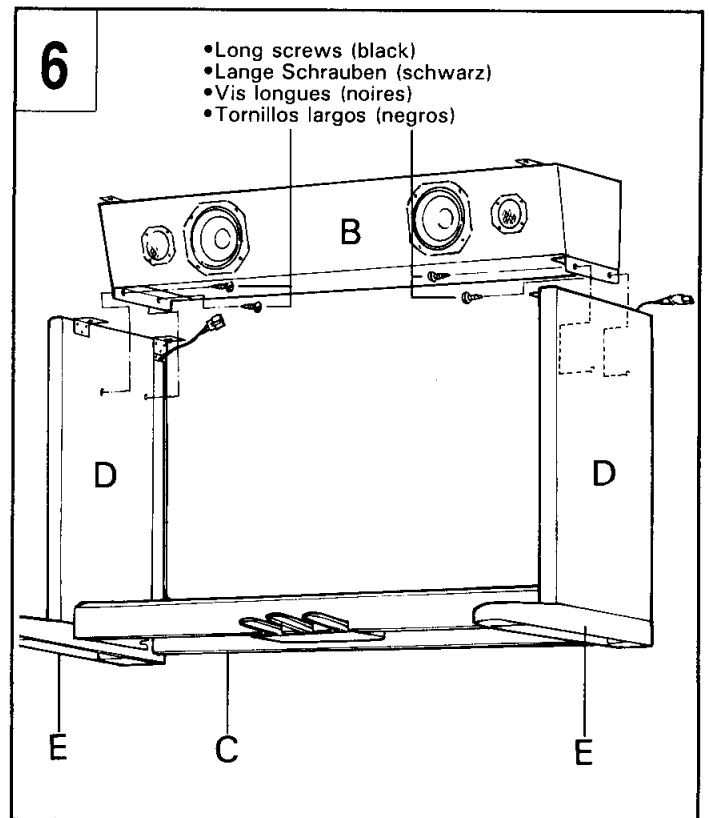
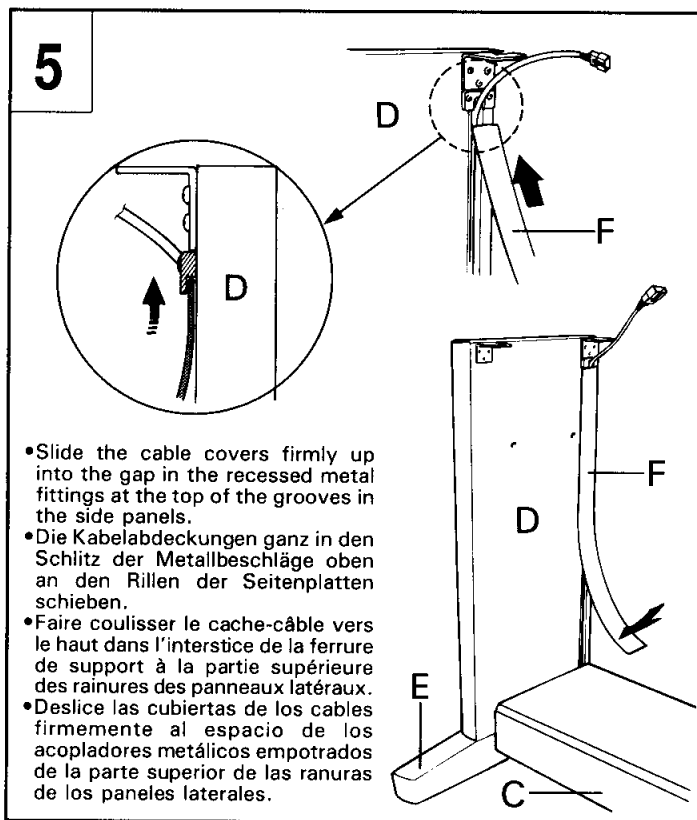
Den Pedalkasten (C) auf die Halterungen an den Seitenplatten (D) aufsetzen. Sicherstellen, daß das Netzkabel auf der einen Seite und das Pedalkabel auf der anderen Seite in der entsprechenden Rille in der Seitenplatte (D) zu liegen kommt. Zum Anbringen der Seitenplatten zwei kurze schwarze Schrauben von der Innen-seite des Pedalkastens her einschrauben.

5 Die Kabelabdeckungen (F) anbringen.

Den Pedalkasten mit den Seitenplatten aufrecht stellen und entsprechend der Abbildung das Netz- und das Pedalkabel in die Rillen auf den Seitenplatten so einsetzen, daß der Anschluß jeweils oben aus der Rille herausragt. Die Kabelabdeckungen (F) auf die Rillen aufschieben und einrasten.

6 Lautsprecher (B) an den Seitenplatten (D) anschrauben.

Vor dem Anbringen des Lautsprechergehäuses den Lautsprechergrill abziehen (mit Klebeband befestigt). Dann das Lautsprechergehäuse (B) oben in die Seitenplatten einsetzen und mit jeweils zwei langen schwarzen Schrauben zwischen den Seitenplatten (D) anmontieren. Die Lautsprechergrillseite sollte dabei in die gleiche Richtung wie die Pedale der Pedalkonsole (C) weisen.



4 Fixer les panneaux latéraux (D) au pédalier (C)

Fixer les panneaux latéraux (D) aux extrémités correspondantes du pédalier (C) en prenant soin que le cordon d'alimentation et le cordon du pédalier viennent se placer de chaque côté dans les rainures correspondantes des panneaux latéraux (D). Chaque panneau latéral est fixé au pédalier à l'aide de deux vis courtes de couleur noire qui doivent être vissées par l'intérieur du pédalier.

5 Poser les cache-cordons (F)

Mettre l'ensemble pédalier/panneaux latéraux debout et placer le cordon d'alimentation et le cordon du pédalier dans les rainures correspondantes des panneaux latéraux, avec la prise dépassant de la partie en creux située en haut de chaque rainure comme illustré. Faire coulisser vers le haut un cache-cordon (F) dans la partie en creux de chaque rainure et enfoncer la partie inférieure du cache dans la rainure.

6 Fixer les haut-parleurs (B) aux panneaux latéraux (D)

Avant de poser les haut-parleurs, enlever la grille frontale (celle-ci est fixée à l'aide de ruban adhésif et peut être séparée facilement des haut-parleurs). Faire glisser les haut-parleurs (B) entre les panneaux latéraux (D) et les fixer de chaque côté (à partir de l'intérieur) à l'aide de deux vis longues de couleur noire. Le côté grille des haut-parleurs doit être dirigé dans le même sens que les pédales sur le pédalier (C).

4 Una los paneles laterales (D) a la caja de pedales (C)

Una los paneles laterales (D) a los extremos correspondientes de la caja de pedales (C), asegurándose de que el cable de alimentación de un lado y la caja de pedales del otro se adaptan en las ranuras de los paneles laterales (D). Cada panel lateral se une a la caja de pedales empleando dos tornillos negros cortos insertados desde el interior de la caja de pedales.

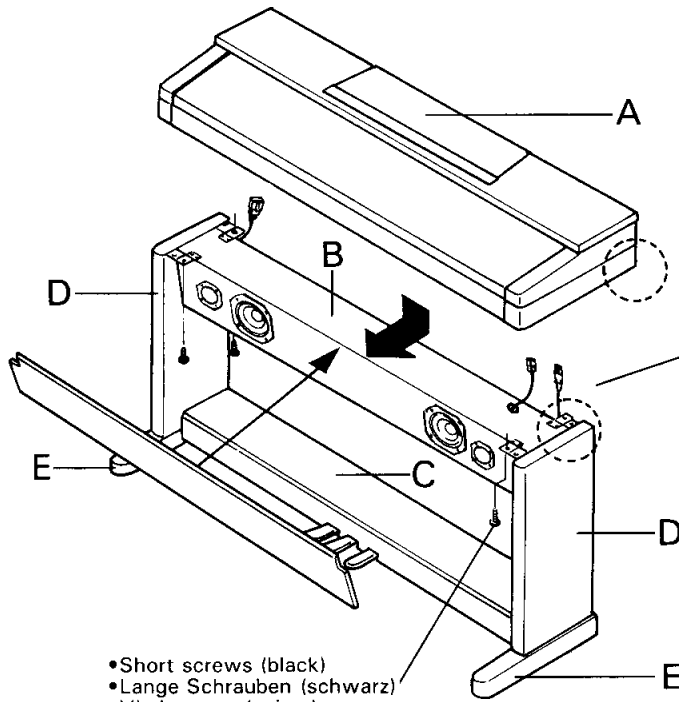
5 Instale las cubiertas de los cables (F)

Sostenga el conjunto de la caja de pedales/panel lateral recto y adapte los cables de alimentación y de los pedales en las ranuras correspondientes del panel lateral con los conectores saliendo por la parte abierta de la parte superior de cara ranura, como se muestra en la ilustración. Deslice la cubierta de ls cables (F) hacia arriba a la parte abierta de cara ranura, y entonces ponga la parte inferior de la cubierta en la ranura.

6 Una la caja de altavoz (B) a los paneles laterales (D)

Antes de unir la caja de altavoz, extraiga la rejilla de altavoz (la rejilla de altavoz está unida con cinta adhesiva y puede sacarse con facilidad de la caja de altavoz). Coloque la caja de altavoz (B) en su lugar entre las partes superiores de los paneles laterales (D), y una cada lado (desde el interior) empleando dos tornillos negros largos. El lado de la rejilla de la caja de altavoz debe instalarse encarada hacia la misma dirección que los pedales de la caja de pedales (C).

7



- Short screws (black)
- Lange Schrauben (schwarz)
- Vis longues (noires)
- Tornillos largos (negros)

- Insert the screws on the main unit bottom panel into the bracket grooves.
- Die Schrauben auf der Keyboard-Unterseite in die Kerben der Halterungen einführen.
- Introduire les vis du panneau inférieur du clavier dans les gorges des ferrures.
- Inserte los tornillos del panel inferior de la unidad principal en las ranuras de las ménsulas.

7 Install the main unit (A).

Place the main unit on the side panels (D) with the screws on its bottom panel (toward the rear of the main unit) just behind the grooves in the brackets located at the top of the side panels (D), then slide the keyboard forward until it stops.

Align the holes on the bottom panel of the main unit (A) with the holes in the brackets on the side panels (D) and the speaker box (B), then screw in and securely tighten the remaining four short black screws. After the screws have been properly installed, re-attach the speaker grille to the speaker box with the recessed corners facing upwards (push it into place).

8 Connect the cords.

The AC, pedal and speaker cord plugs must be plugged into the corresponding connectors in the main unit, as shown in the illustration. The pedal and speaker connectors must be inserted so that the retainer clip on the connector faces away from the main unit.

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

9 Be sure to set the adjuster.

For stability, an adjuster is provided on the bottom of the pedal box (C). Rotate the adjuster until it comes in firm contact with the floor surface. The adjuster ensures stable pedal operation and facilitates pedal effect control.

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

7 Keyboard (A) installieren.

Das Keyboard so auf die Seitenplatten (D) aufsetzen, daß die Schrauben auf der Bodenplatte (hinten) genau hinter den Kerben der Halterungen auf den Seitenplatten (D) zu liegen kommen. Dann das Keyboard bis zum Anschlag nach vorne schieben.

Die Löcher in der Bodenplatte des Keyboards (A) mit den Löchern in den Halterungen auf den Seitenplatten (D) und Lautsprechergehäusen (B) ausrichten und die vier kurzen schwarzen Schrauben fest hineindrehen. Dann den Lautsprechergrill mit den ausgesparten Ecken nach oben auf das Lautsprechergehäuse aufdrücken.

8 Pedalkonsole und Lautsprecherkabel anschließen

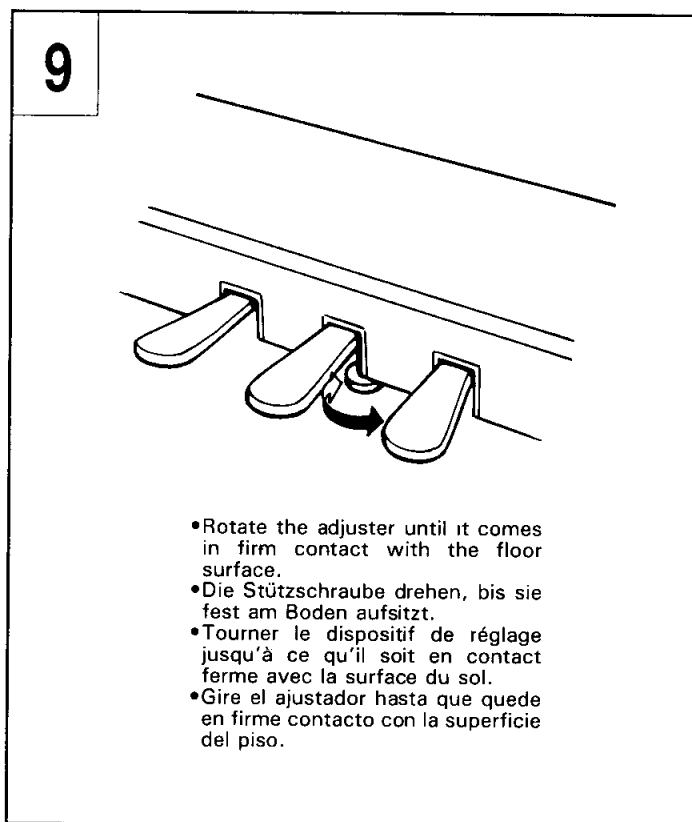
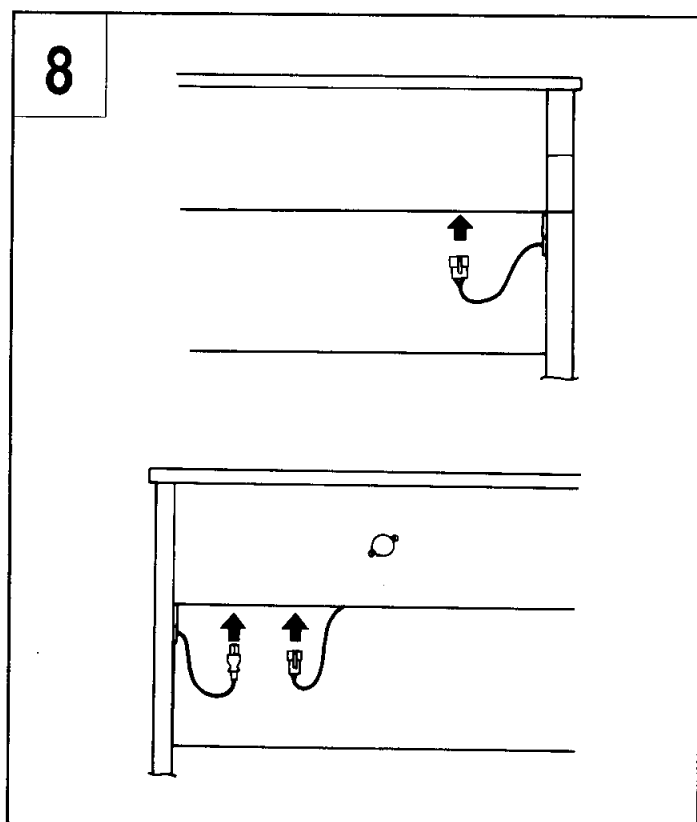
Die Stecker von Netz-, Pedal- und Lautsprecherkabel müssen an die entsprechenden Buchsen des Keyboards angeschlossen werden. Die Stecker von Pedal- und Lautsprecherkabeln müssen so eingeführt werden, daß die Halteklammer am Anschluß nach außen weist.

* Sicherstellen, daß alle Schrauben gut festgezogen sind.

9 Unbedingt die Stützschaube einstellen.

Um eine gute Stabilität zu gewährleisten, befindet sich unten an der Pedalkonsole (C) eine Stützschaube. Die Stützschaube drehen, bis sie den Boden berührt. Die Stützschaube verhindert ein Verrutschen der Pedalkonsole beim Spielen und vereinfacht die Effektsteuerung über Pedal.

* Falls die Stützschaube nicht fest am Boden aufsitzt, kann es zu Klangverzerrungen kommen



- Rotate the adjuster until it comes in firm contact with the floor surface.
- Die Stützschraube drehen, bis sie fest am Boden aufsitzt.
- Tourner le dispositif de réglage jusqu'à ce qu'il soit en contact ferme avec la surface du sol.
- Gire el ajustador hasta que quede en firme contacto con la superficie del piso.

7 Poser le clavier (A)

Placer le clavier sur les panneaux latéraux (D), avec les vis de son panneau inférieur (situées vers l'arrière du clavier) placées immédiatement derrière les rainures des ferrures situées à la partie supérieure des panneaux latéraux (D), puis faire glisser le clavier vers l'avant jusqu'à ce qu'il vienne en butée.

Aligner les trous du panneau inférieur du clavier (A) sur les trous des ferrures des panneaux latéraux (D) et des haut-parleurs (B), puis introduire et serrer à fond les quatre vis courtes restantes de couleur noire. Une fois que les vis sont en place, reposer la grille frontale des haut-parleurs avec les coins en creux dirigés vers le haut (la pousser pour la mettre en place).

8 Connecter les cordons

Le cordon d'alimentation et les cordons du pédalier et des haut-parleurs doivent être branchés aux connecteurs correspondants du clavier, comme illustré. Le connecteur du pédalier et des haut-parleurs doivent être branchés de manière que l'attache du connecteur soit dirigée dans le sens opposé au clavier.

* Vérifier que toutes les vis sont serrées à fond.

9 Ne pas oublier de régler la hauteur du pédalier

Pour assurer la stabilité du pédalier (C), un dispositif de réglage est prévu à sa partie inférieure. Le tourner jusqu'à ce qu'il soit en contact ferme avec la surface du sol. Ce dispositif assure la stabilité du pédalier lors de son utilisation et facilite la commande au pied des effets.

* Si ce dispositif n'est pas en contact ferme avec le sol, il peut se produire une distorsion du son.

7 Instale la unidad principal (A)

Coloque la unidad principal sobre los paneles laterales (D) con los tornillos de su panel inferior (hacia la parte trasera de la unidad principal) colocados justo detrás de las ranuras de las ménsulas ubicadas en la parte superior de los paneles laterales (D), y deslice el teclado hacia adelante hasta el tope.

Alinee los orificios del panel inferior de la unidad principal (A) con los orificios de las ménsulas de los paneles laterales (D) y la caja de altavoz (B), y atornille los cuatro tornillos negros cortos, apretándolos firmemente. Después de haberlos apretado bien, vuelva a unir la rejilla del altavoz a la caja de altavoz con las esquinas empotradas encaradas hacia arriba (presione a su posición).

8 Conecte los cables

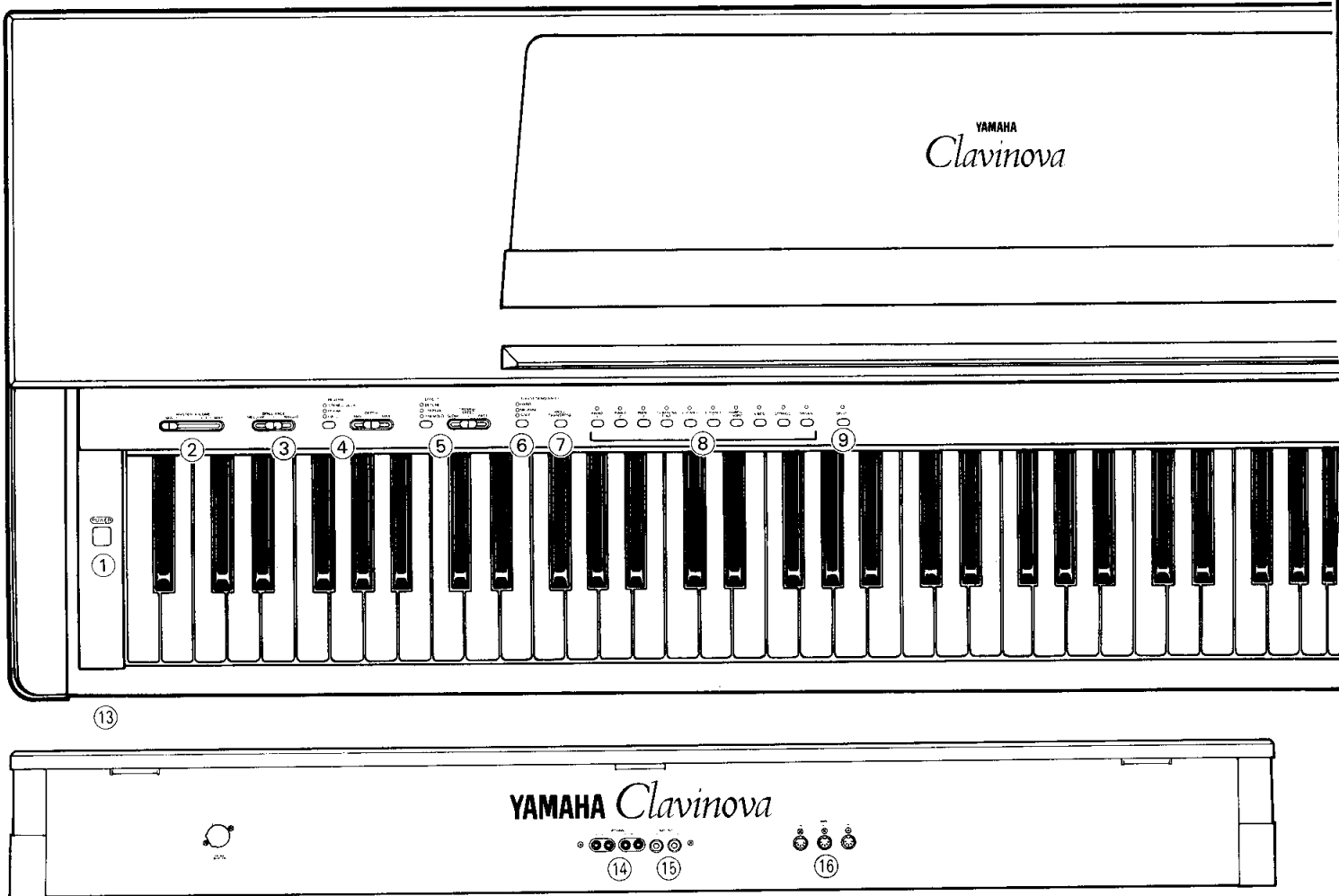
Los cables de CA, de los pedales y del altavoz deben estar enchufados a los conectores correspondientes de la unidad principal, como se muestra en la ilustración. Los conectores de pedales y altavoz deben insertarse de modo que el retenedor del conector quede encarado en la parte apartada de la unidad principal.

* Confirme que todos los tornillos estén firmemente apretados.

9 Asegúrese de disponer el ajustador

Un ajustador ha sido instalado debajo de la caja de pedales (C) para dar estabilidad a la misma. Gire el ajustador hasta que quede en firme contacto con la superficie del piso. El ajustador asegura una estable operación de los pedales y facilita el control del efecto de los mismos.

* Si el ajustador no está en firme contacto con la superficie del piso, se puede producir distorsión del sonido.



TAKING CARE OF YOUR CLAVINOVA

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 key cover provided.
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 irreversible 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.

THE CONTROLS & CONNECTORS — GENERAL OPERATION

1. [POWER] Switch

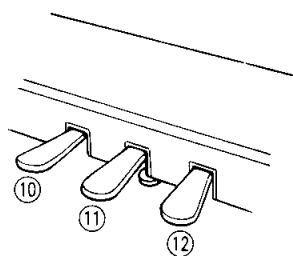
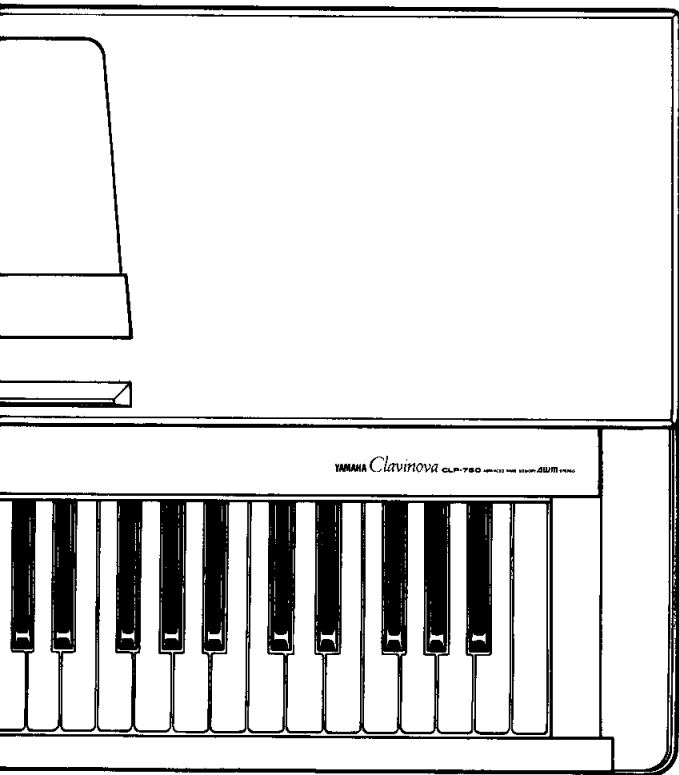
Press the [POWER] switch once to turn the power ON, a second time to turn the power OFF. When the power is initially turned ON, the [PIANO 1] voice selector LED will light.

2. [MASTER VOLUME] Control

The [MASTER VOLUME] control adjusts the volume (level) of sound produced by the Clavinova's internal stereo sound system. The [MASTER VOLUME] control also adjusts headphone volume when a pair of headphones is plugged into the HEADPHONE jack (13).

3. [BRILLIANCE] Control

This control can be used to change the tonality or "timbre" of the selected voice. The control range is from MELLOW to BRIGHT. The center setting produces the "normal" tone of the selected voice. If you want a brighter or "sharper" tone, slide the control towards the BRIGHT position. For a "rounder" more mellow tone, slide the control towards the MELLOW position.



4. [REVERB] Button & [DEPTH] Control

The [REVERB] button selects a number of digital effects that you can use for extra depth and expressive power, and the [DEPTH] control sets the depth of the selected effect.

To select an effect press the [REVERB] button a few times until the indicator corresponding to the desired effect lights (the indicators light in sequence each time the [REVERB] button is pressed). No effect is produced when all indicators are off.

STEREO DELAY

When the STEREO DELAY indicator is lit, the stereo delay effect is engaged producing an expanded, "wider" sound.

ROOM

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

HALL

For a really spacious reverb sound, use the HALL setting. This effect simulates the natural reverberation of a large concert hall.

The [DEPTH] control can then be used to set the depth of the selected effect. The [DEPTH] control range is from MIN (minimum) to MAX (maximum). The center setting produces the "normal" depth for the selected effect. If you want a deeper or more pronounced effect, slide the control toward the MAX position. For a more subtle effect, slide the control toward the MIN position.

Power-on Settings: When the CLP-760 POWER switch is initially turned ON all reverb effects are turned OFF.

These settings can be changed by selecting the desired REVERB effect and DEPTH setting, and then pressing the [MIDI/TRANSCOPE] button while holding the [REVERB] button. When the [REVERB] button is pressed, the REVERB indicator will move to the next effect temporarily, but will return to the selected effect when the [MIDI/TRANSCOPE] button is pressed.

Settings changed in this way are retained in internal memory for approximately one week if the power is not turned on during that time. If the backup period is exceeded, the original factory settings are restored.

5. [EFFECT] Button & [TREMOLO SPEED] Control

The [EFFECT] button selects a range of three effects that you can use in addition to the REVERB effects. The [TREMOLO SPEED] control sets the speed of the TREMOLO effect when it is selected.

To select an effect press the [EFFECT] button a few times until the indicator corresponding to the desired effect lights (the indicators light in sequence each time the [EFFECT] button is pressed). No effect is produced when all indicators are off.

DETUNE

DETUNE delivers a thick, multi-instrument sound by producing two notes of slightly different pitch for every single note you play on the keyboard — i.e. the two notes are slightly "detuned."

CHORUS

This produces an animated "shimmering" effect that both thickens the sound and gives it a more lively feel.

TREMOLO

TREMOLO is a gentle variation in volume that gives the sound a more dynamic feel.

The [TREMOLO SPEED] control can be used to set the speed of the TREMOLO effect when it is selected. The [TREMOLO SPEED] control range is from SLOW to FAST.

Individual Voice Effects & Power-on Settings: The CLP-760 allows different effects to be set for each voice so that the appropriate effect settings are automatically recalled whenever a voice is selected.

When the CLP-760 POWER switch is initially turned ON the following effects are assigned to each voice.

Voice	Power-on Effect
PIANO 1	OFF
PIANO 2	OFF
PIANO 3	OFF
CLAVINOVA TONE	OFF
E.PIANO 1	OFF
E.PIANO 2	OFF
HARPSICHORD	OFF
VIBES	TREMOLO
STRINGS	OFF
ORGAN	OFF

These settings can be changed by selecting the desired voice and EFFECT settings, and then pressing the [MIDI/TRANSCOPE] button while holding the [EFFECT] button. When the [EFFECT] button is pressed, the EFFECT indicator will move to the next effect temporarily, but will return to the selected effect when the [MIDI/TRANSCOPE] button is pressed.

Settings changed in this way are retained in internal memory for approximately one week if the power is not turned on during that time. If the backup period is exceeded, the original factory settings are restored.

6. [TOUCH SENSITIVITY] Button

The [TOUCH SENSITIVITY] button selects three different types of keyboard touch sensitivity — HARD, MEDIUM or SOFT — to match different playing styles and preferences.

The HARD setting requires the keys to be played quite hard to produce maximum loudness.

The MEDIUM setting produces a fairly “standard” keyboard response.

The SOFT setting allows maximum loudness to be produced with relatively light key pressure.

To select a touch sensitivity setting press the [TOUCH SENSITIVITY] button a few times until the indicator corresponding to the desired setting lights (the indicators light in sequence each time the [TOUCH SENSITIVITY] button is pressed).

Power-on Settings: When the CLP-760 POWER switch is initially turned ON the TOUCH SENSITIVITY setting is automatically set to MEDIUM.

This settings can be changed by selecting the desired TOUCH SENSITIVITY setting, and then pressing the [MIDI/TRANSCOPE] button while holding the [TOUCH SENSITIVITY] button. When the [TOUCH SENSITIVITY] button is pressed, the TOUCH SENSITIVITY indicator will move to the next setting temporarily, but will return to the selected setting when the [MIDI/TRANSCOPE] button is pressed.

Settings changed in this way are retained in internal memory for approximately one week if the power is not turned on during that time. If the backup period is exceeded, the original factory setting is restored.

7. [MIDI/TRANSCOPE] Button

The [MIDI/TRANSCOPE] button allows access to the Clavinova's TRANSCOPE function (to shift the pitch of the entire keyboard up or down) and MIDI functions. For details refer to the “TRANSCOPE” and “MIDI FUNCTIONS” sections on pages 15 and 16, respectively.

8. Voice Selectors

The CLP-760 has ten voice selectors. Simply press any of the voice selectors to select the corresponding voice. The LED indicator above the voice selector will light to indicate which voice is currently selected.

The CLP-760 also has a DUAL mode in which two voices can be played simultaneously across the full range of the keyboard — see page 14 for details.

Note: The PIANO 1 voice is automatically selected whenever the [POWER] switch is initially turned ON.

9. [SPLIT] Button

The [SPLIT] button activates the CLP-760 split mode in which one voice can be played on the left-hand section of the keyboard while a different voice can be played on the right-hand section. Any voices can be assigned to the left- and right-hand sections of the keyboard, the split point can be set at any key, and the balance between the left- and right-hand voices can be set as desired — see page 14 for details.

10. Soft Pedal

Pressing the soft pedal reduces the volume and slightly changes the timbre of notes played. The soft pedal actually functions in eight levels, depending on how hard it is pressed.

11. 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.”

12. 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. The CLP-760 damper pedal additionally features continuous damping. This allows you to create shorter effects by pressing the damper pedal down only part of the way.

13. HEADPHONE Jack (Bottom Panel)

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.

14. OPTIONAL IN L/R and OUT L/R Jacks

These jacks are intended for use with Yamaha Expander Modules (i.e. the EME-1 Reverb Box, EMT-1 FM Sound Box, EMT-10 AWM Sound Box, EMR-1 Drum Box, and DOM-30 Disk Orchestra Module) and for connecting the CLP-760 to a stereo sound system.

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.

15. AUX OUT L/R Jacks

The AUX OUT L/MONO and R jacks deliver the output of the Clavinova for connection to an instrument amplifier, mixing console, PA system, or recording equipment. If you will be connecting the Clavinova to a monaural sound system, use only the L/MONO jack. When a plug is inserted into the L/MONO jack only, the left- and right-channel signals are combined and delivered via the L/MONO jack so you don't lose any of the Clavinova's sound.

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.

16. 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, DRC-20 Disk Recorder, or DOM-30 Disk Orchestra Module) 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 16.

PREPARATION

• Check your power supply

Make sure that your local AC mains voltage matches the voltage specified on the name plate on the rear panel. In some areas a voltage selector may be provided on the rear panel of the main 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, then flip down the music stand braces and engage them with the corresponding recesses.

The music stand can be lowered after slightly lifting it and folding the two brackets which support it against the back of the stand.

• Name Plate Location

The CLP-760 nameplate is located on the rear panel.

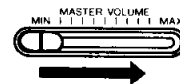
PLAYING THE CLAVINOVA

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

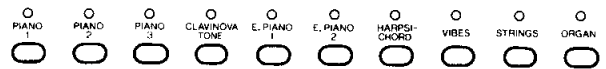
1. Press the [POWER] switch located to the left of the keyboard to turn the power ON. When the power is turned ON, the [PIANO 1] voice selector LED will light (the PIANO 1 voice is automatically selected whenever the power is turned ON).



2. Initially set the [MASTER VOLUME] control about half way between the "MIN" and "MAX" settings. Then, when you start playing, re-adjust the [MASTER VOLUME] control for the most comfortable listening level.



3. Select the desired voice by pressing one of the voice selectors.



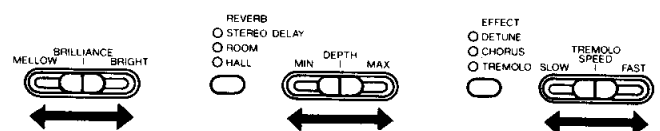
4. Play.

The PIANO 2 and PIANO 3 voices have 32-note polyphony* while all other voices have 16-note polyphony, which means you can play up to 32 or 16 notes at once, respectively. 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.

* The actual number of notes that can be played simultaneously is reduced when the DUAL or SPLIT play modes are used. See page 14 for information on the DUAL and SPLIT play modes.

DUAL MODE		SPLIT MODE	
Notes/voice	Polyphony	Notes/voice	Polyphony
16 + 16	8	16 + 16	16
32 + 32	16	32 + 32	32
16 + 32	10	16 + 32	16 - 32

5. You can also change the overall tone or add reverb and/or effects as desired by using the [BRILLIANCE], [REVERB] and [EFFECT] controls (see "THE CONTROLS AND CONNECTORS" on page 10).



THE DUAL MODE

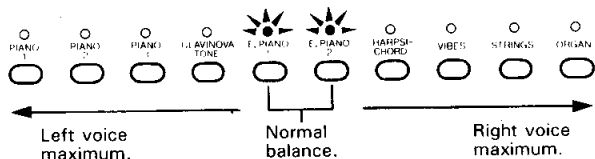
The DUAL mode makes it possible to play two voices simultaneously across the entire range of the keyboard. To activate the DUAL mode simply press two voice selectors at the same time — or press one voice selector while holding another. The voice indicators of both selected voice will light when the DUAL mode is active. To return to the normal single-voice play mode, press any single voice selector.

Slow-attack Strings

In a DUAL mode voice combination using STRINGS and any other voice, it is possible to switch the STRINGS voice to a slow-attack variation when initially selecting the voices by pressing the [STRINGS] selector twice while holding the other voice selector.

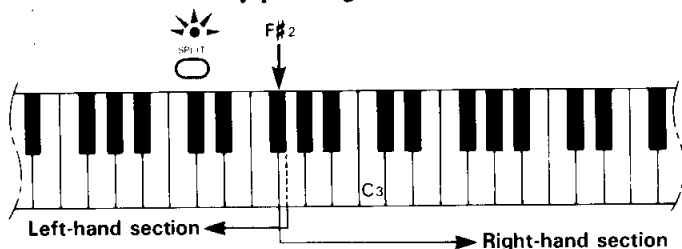
Adjusting the Balance Between the Dual-mode Voices

The volume balance between the two voices combined in the DUAL mode can be adjusted by pressing the voice selectors while holding the [SPLIT] button. Voice selectors to the left of the [E.PIANO 1] selector increase the volume of the left voice in relation to the right voice, while selectors to the right of the [E.PIANO 2] selector increase the volume of the right voice in relation to the left. By “left” and “right” voice we refer to the relative positions of the voice selectors — i.e. in a STRINGS/ORGAN combination STRINGS is the left voice and ORGAN is the right voice. The [E.PIANO1] or [E.PIANO 2] selector sets the “normal” balance between the dual-mode voices. The voice selector LED corresponding to the current balance setting lights while the [SPLIT] button is held — both the [E.PIANO1] or [E.PIANO 2] selector LEDs light when normal balance is selected.



THE SPLIT MODE

When the [SPLIT] button is pressed and its indicator lights, the CLP-760 keyboard is split into left- and right-hand sections and different voices can be assigned to each. The split point is initially set at the F#2 key when the power is turned ON, and the STRINGS voice is initially assigned to the left-hand section of the keyboard (all keys up to and including F#2). The voice that was selected when the SPLIT mode was engaged is assigned to the right-hand section of the keyboard. The current settings are retained if the SPLIT mode is turned OFF and ON while the power remains ON. The SPLIT mode can be turned OFF by pressing the [SPLIT] button.



Changing Voices

The right-hand voice can be changed simply by pressing the appropriate voice selector.

The left- and right-hand voices can be changed by holding the voice selector for the left-hand voice and pressing the voice selector for the right-hand voice. In other words, the first selector pressed sets the left-hand voice and the second selector pressed sets the right-hand voice.

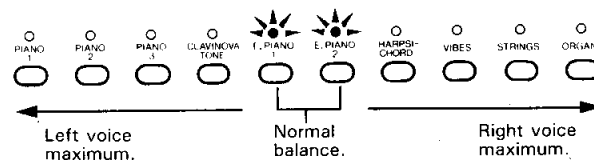
Changing the Split Point

The split point can be set at any key by pressing the desired key while holding the [SPLIT] button.

The default split point — F#2 — will always be set automatically whenever the power is initially turned ON.

Adjusting the Balance Between the Left- and Right-hand Voices

The volume balance between the left- and right-hand voices can be adjusted by pressing the voice selectors while holding the [SPLIT] button. Voice selectors to the left of the [E.PIANO 1] selector increase the volume of the left-hand voice in relation to the right-hand, while selectors to the right of the [E.PIANO 2] selector increase the volume of the right-hand voice in relation to the left-hand voice. The [E.PIANO 1] or [E.PIANO 2] selector sets the “normal” balance between the split-mode voices.



Left-hand Octave Shift

When the SPLIT mode is activated, the pitch of the left-hand voice can be shifted up one octave by pressing the [MIDI/TRANPOSE] button while the [SPLIT] button is held. The pitch of the left-hand voice can be returned to normal by repeating this operation.

* The status of the split mode left-hand voice — shifted up or normal — is retained in internal memory for approximately one week if the power is not turned on during that time. The normal setting is restored if the backup period is exceeded.

TRANSPPOSITION

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 and keys F#5 through F#6 on the keyboard are used for transposition.

1. Press and hold the [MIDI/TRANPOSE] button.
2. Press a key between F#5 and F#6 according to the desired amount of transposition.*
3. Release the [MIDI/TRANPOSE] button.

* Pressing the C6 key produces normal keyboard pitch. Pressing the key to the left of C6 (B5) transposes the pitch of the keyboard down a semitone, the next key to the left (Bb5) transposes down a whole tone (two semitones), etc., down to the F#5 key which transposes down 6 semitones. Upward transposition is accomplished in the same way using the keys to the right of C6, up to F#6 which transposes up 6 semitones.

PITCH CONTROL

Pitch control makes it possible to tune the Clavinova over a ± 50 -cent range in approximately 1.2-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.
2. Press any key between C3 and B3. Each time a key in this range is pressed the pitch is increased by approximately 1.2 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 1.2 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 set when the [POWER] switch is initially turned ON. The power-on pitch setting can be changed, however, by pressing the [MIDI/TRANPOSE] button while still holding the A-1/B-1, A-1/A#-1, or A-1/A#-1/B-1 key combinations after setting the desired pitch.

Settings changed in this way are retained in internal memory for approximately one week if the power is not turned on during that time. If the backup period is exceeded, the original factory setting is restored.

Note: The PITCH CONTROL function has no effect when LOCAL OFF is active (see "MIDI FUNCTIONS," page 16).

INDIVIDUAL KEY TUNING

When used in ensemble with other keyboards and particularly acoustic pianos, however, slight tuning discrepancies can arise. The CLP-760 is equipped with an individual key tuning feature that allows such differences to be accurately compensated for. The individual key tuning feature also makes it possible to tune the CLP-760 to completely different standards, if required. The pitch of each key can be raised or lowered by a maximum of 50 cents from the standard pitch.

To Raise the Pitch of a Single Key

1. Hold the [REVERB] button.
2. Press and release the [PIANO 2] voice selector (do not release the [REVERB] button).
3. While still holding the [REVERB] button, press the desired key as many times as necessary to raise its pitch by the required amount (each press raises pitch by approximately 1.2 cents).
4. Release the [REVERB] button.

To Lower the Pitch of a Single Key

1. Hold the [REVERB] button.
2. Press and release the [PIANO 3] voice selector (do not release the [REVERB] button).
3. While still holding the [REVERB] button, press the desired key as many times as necessary to lower its pitch by the required amount (each press lowers pitch by approximately 1.2 cents).
4. Release the [REVERB] button.

To Restore Standard Tuning*

1. Hold the [REVERB] button.
2. Press and release the [PIANO 1] voice selector.
3. Release the [REVERB] button..

* Standard tuning is set when the [POWER] switch is initially turned ON. The power-on setting can be changed to the current tuning, however, by pressing and releasing either the [PIANO 2] or [PIANO 3] key and then the [MIDI/TRANPOSE] key while holding the [REVERB] key. The "standard" power-on setting can be restored by pressing and releasing the [PIANO 1] key and then the [MIDI/TRANPOSE] key while holding the [REVERB] key.

Settings changed in this way are retained in internal memory for approximately one week if the power is not turned on during that time. If the backup period is exceeded, the original factory setting is restored.

FACTORY PRESET RECALL

All power-on data can be reset to the factory preset values by holding the C7 key (the highest key on the keyboard) while turning the POWER switch ON.

FUNCTION	FACTORY PRESET
REVERB	OFF
TOUCH SENSITIVITY	MEDIUM
PITCH	NORMAL ($A3 = 440$ Hz)
INDIVIDUAL KEY TUNING	STANDARD
LEFT-HAND OCTAVE SHIFT	NORMAL
INDIVIDUAL VOICE EFFECTS	See chart on page 11



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

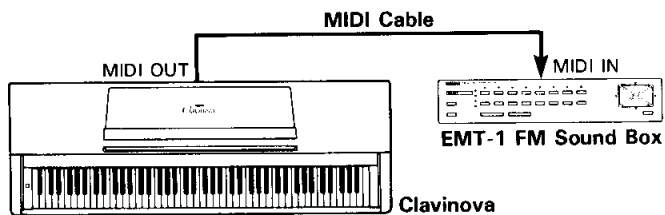
For Pitch Control (C3 ~ B3)

For Transposition (F#5 ~ F#6)

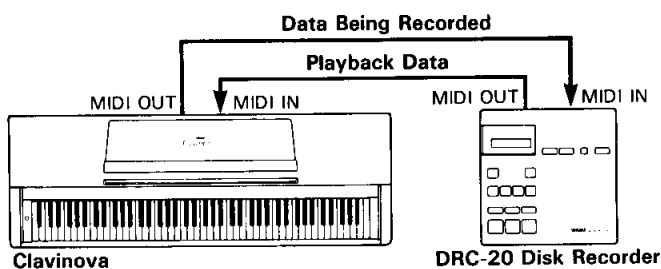
MIDI FUNCTIONS

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 or DRC-20 Disk Recorder 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 CLP-760 offers a number of MIDI functions that allows it 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 CLP-760 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

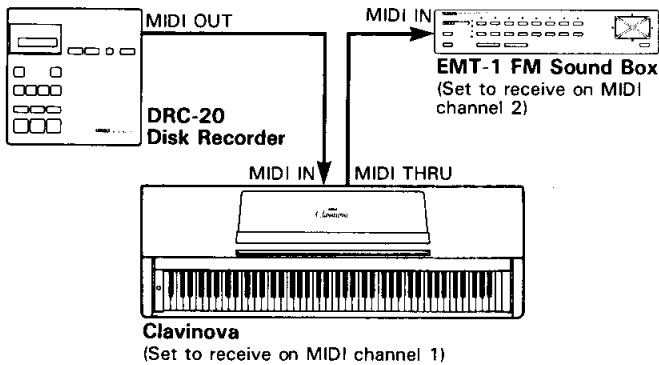
The CLP-760 transmits a MIDI program number between 0 and 9 when one of its voice selectors is pressed. This normally causes the correspondingly numbered voice or program to be selected on a receiving MIDI device. The Clavinova will respond in the same way, automatically selecting the appropriate voice when a MIDI program change number is received. See "Program Change ON/OFF" on page 18 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 18 for information on turning control change number reception and transmission ON or OFF.

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 transmit channel of the transmitting device (except when receiving mode messages).

Setting the Clavinova MIDI Channels

1. Press and hold the [MIDI/TRANSCOPE] button.
2. Press the key on the keyboard corresponding to the desired MIDI transmit or receive channel.*
3. Release the [MIDI/TRANSCOPE] button.

* Keys C1 through D#2 on the keyboard are used to set the MIDI transmit channel, and keys C3 through D#4 are used to turn the OMNI mode OFF and set the MIDI receive channel as shown in the illustration below. The E4 key sets the OMNI receive mode and basic receive channel 1.

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

MIDI FUNCTION CHART

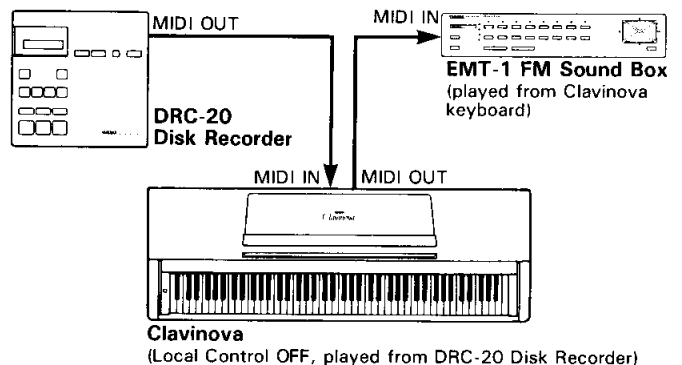
Function	CLP-760 Voice Selector*
Local ON/OFF	[PIANO 1]
Program Change ON/OFF	[PIANO 2]
Control Change ON/OFF	[PIANO 3]
Multi-Timbre Mode	[CLAVINOVA TONE]
Split & Left Local OFF	[E.PIANO 1]
Split & Right Local OFF	[E.PIANO 2]
Panel Data Transmit	[HARPSICHORD]

* The MIDI functions listed above are engaged by holding down the MIDI/TRANSCOPE button and pressing the corresponding voice selector. Full details are given in the following pages.

Local Control ON/OFF

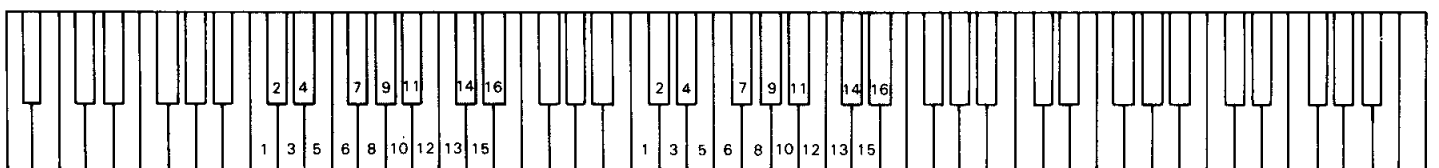
"Local Control" refers to the fact that, normally, the Clavinova keyboard controls its internal tone generator, allowing the internal voices to be played directly from the keyboard. This situation is "Local Control ON" since the internal tone generator is controlled locally by its own keyboard.

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 DRC-20 Disk Recorder, for example, plays the Clavinova's internal voices, an external tone generator such as the EMT-1 can be played from the Clavinova keyboard.



Turning Local Control ON or OFF

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



For setting the transmit channel. (C1 ~ D#2) For setting the receive channel. (C3 ~ D#4)

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.

1. Hold down the [MIDI/TRANSCOPE] button.
2. Press the [PIANO 2] voice selector. If the PIANO 2 LED is lit when the [PIANO 2] voice selector is pressed, you have turned program change reception/transmission OFF. If the PIANO 2 LED is not lit when the [PIANO 2] voice selector is pressed, you have turned program change reception/transmission ON.
3. Release the [MIDI/TRANSCOPE] 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.

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

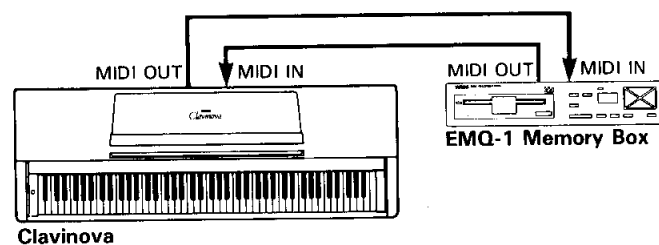
The Multi-Timbre Mode

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) by an external MIDI device such as the Yamaha EMQ-1 Memory Box or DRC-20 Disk Recorder. The Multi-Timbre mode can be activated as follows:

1. Hold down the [MIDI/TRANSCOPE] button.
2. Press the [CLAVINOVA TONE] voice selector. If the CLAVINOVA TONE LED is lit when the [CLAVINOVA TONE] voice selector is pressed, you have turned the Multi-Timbre mode ON. If the CLAVINOVA TONE LED is not lit when the [CLAVINOVA TONE] voice selector is pressed, you have turned the Multi-Timbre mode OFF.
3. Release the [MIDI/TRANSCOPE] button.

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.



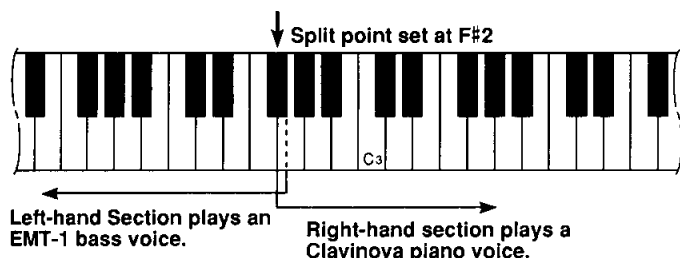
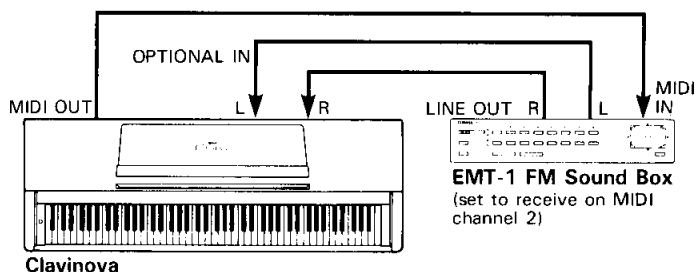
2. Select the first voice and MIDI transmit channel number, then record the first part on the EMQ-1.
3. Activate the Clavinova Multi-Timbre mode, then select a new MIDI transmit channel and voice and record the second part on the EMQ-1 using its overdubbing function.
4. While still in the Multi-Timbre 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 & Left Local OFF Mode

In the split mode one section of the Clavinova keyboard is used to play a Clavinova voice in the normal way, while the remaining section is used to play a second MIDI keyboard or tone generator such as the Yamaha EMT-1 FM Sound Box or EMT-10 AWM Sound Box. In this mode the right-hand section of the keyboard is used to play an internal Clavinova voice, while the left-hand section of the keyboard plays the external keyboard or tone generator. Playing the left-hand section of the keyboard produces no sound from the Clavinova. The "split point," or the key that divides the left- and right-hand sections of the keyboard can be set at any desired key.

The split mode is useful if, for example, you want to play a piano (Clavinova) voice with the right hand while playing a synthesizer bass line or string section with the left hand.

When the split mode is activated, notes played on the left-hand section are transmitted via the Clavinova MIDI OUT connector on MIDI channel 2. Notes played on the right-hand section are transmitted on the "basic channel" (i.e. the channel set using the MIDI channel selection function described previously).



Activating the Split & Left Local OFF Mode & Selecting the Split Point

1. Press the [E.PIANO 1] voice selector while holding down the [MIDI/TRANSCOPE] button. The E.PIANO 1 LED will light.
2. Release the [MIDI/TRANSCOPE] button and the [E.PIANO 1] voice selector.
3. While holding down the [SPLIT] button, press the key on the keyboard at which you want to set the split point. The split-point becomes the first key of the left-hand section.
4. Release the [SPLIT] button and the split point key.
5. To return to the normal full-keyboard mode, hold the [MIDI/TRANSCOPE] button and press the [E.PIANO 1] voice selector, then release both buttons.

Note: When the power is initially turned ON the default split point key — F#2 — will be automatically selected. If a new split point is selected it remains active until the power is turned OFF or a different split point is selected.

The Split & Right Local Off Mode

In the CLP-760 either the right- or left-hand section of the keyboard can be assigned to control an external keyboard or tone generator. Assigning the left-hand section to external tone generator control was described in the previous section. To assign the right-hand section to external tone generator control while playing the Clavinova voices with the left hand, press the [E.PIANO 2] voice selector instead of the [E.PIANO 1] voice selector when activating the Split mode (See "Activating the Split & Left Local OFF Mode & Selecting the Split Point" in the previous section). All other operations are exactly the same as described in the previous section.

Transmitting the Panel Settings

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/TRANSCOPE] button.
2. Press the [HARPSICHORD] voice selector.
3. Release the [MIDI/TRANSCOPE] button.

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-8 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 an Expander Module or stereo system via the OPTIONAL IN/OUT connectors.

EXPANDER MODULES

Sound Box EMT-10AWM Sound Expander

Sound Box EMT-1FM Sound Expander

Memory Box EMQ-1Disk Recorder

Drum Box EMR-1Digital Drummer

Reverb Box EME-1Digital Reverb

DRC-20Disk Recorder

DOM-30Disk Orchestra Module

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: [9xH] -> [kk] -> [vv]

9xH = 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 [8xH] -> [kk] also recognized (reception only).

2. CONTROL CHANGE & MODE MESSAGES

Data format: [BxH] -> [cc] -> [dd]

BxH = Control event (x = channel number)

cc = Control number (or mode message number)

dd = Control value

cc	PARAMETER	dd
07H	Volume	0 ~ 7FH
0BH	Expression	0 ~ 7FH
40H	Damper pedal	0 ~ 0FH = OFF; 10H ~ 1FH = 1; 20H ~ 2FH = 2; 30H ~ 3FH = 3; 40H ~ 4FH = 4; 50H ~ 5FH = 5; 60H ~ 6FH = 6; 70H ~ 7FH = 7
42H	Sostenuto pedal	0 ~ 3FH = OFF; 40H ~ 7FH = ON
43H	Soft pedal	0 ~ 7FH, eight levels
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

* 07H, 0BH, 7AH, 7BH, 7CH and 7DH are receive only.

3. PROGRAM CHANGE

Data format: [CxH] -> [dd]

CxH = program event (x = channel number)

dd = Program number

dd	VOICE
00H	PIANO 1
01H	PIANO 2
02H	PIANO 3
03H	CLAVINOVA TONE
04H	E.PIANO 1
05H	E.PIANO 2
06H	HARPSICHORD
07H	VIBES
08H	STRINGS
09H	ORGAN
0AH	SLOW-ATTACK STRINGS

* No voice change is made when dd > 0AH.

4. SYSTEM REALTIME MESSAGES

Active Sensing (FEH)

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

5. SYSTEM EXCLUSIVE MESSAGES

Data format: [F0H] -> [43H] -> [nx] -> [ff] ... [F7H]

n = 0, ff = 7CH: Panel data reception. Panel data follows 7CH.

n = 2, ff = 7CH: Panel data transmitted when this data received.

n = 2, ff = 7DH: Model ID code transmitted when this data received.

* Panel data is comprised of voice number, brilliance, reverb and effect settings.

6. MULTI TIMBRE MODE

Data format: [F0H] -> [43H] -> [73H] -> [idH] -> [nnH] -> [F7H]

43H = YAMAHA ID

73H = CLAVINOVA ID

idH = 22H (CLP-760 ID)*

nn = 15H: MULTI TIMBRE mode ON;

nn = 13H: MULTI TIMBRE mode OFF

* In addition to model ID code, the standard ID code [01H] is also accepted.

7. BRILLIANCE, REVERB & EFFECT

Data format: [F0H] -> [43H] -> [73H] -> [22H] -> [11H] -> [0x] -> [cc] -> [dd] -> [F7H]

43H = YAMAHA ID

73H = CLAVINOVA ID

22H = (CLP-760 ID)

11H = BRILLIANCE/REVERB/EFFECT control confirm

0x = Control MIDI Channel

cc	CONTROL	dd
08H	BALANCE	00H ~ 7FH; 00H = Lower MAX 7FH = Upper MAX
58H	BRILLIANCE	00H = NORMAL 01H = MELLOW 02H = BRIGHT
59H	REVERB	00H = OFF 01H = STEREO DELAY 02H = ROOM 03H = HALL
5AH	DUAL/SPLIT	00H = OFF 01H = DUAL 02H = SPLIT
5BH	EFFECT	00H = OFF 01H = DETUNE 02H = CHORUS 03H = TREMOLO
5CH	2nd VOICE	00H ~ 0AH = 2nd VOICE NO.

* In the MULTI TIMBRE mode BRILLIANCE, DUAL/SPLIT, EFFECT and 2nd VOICE can be set independently for each channel, while REVERB and EFFECT affects all voices and is received on the basic receive channel.

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

SPECIFICATIONS TECHNISCHE DATEN SPÉCIFICATIONS ESPECIFICACIONES

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

	CLP-760
KEYBOARD	88 KEYS (A-1 ~ C7)
VOICE SELECTORS	PIANO 1/2/3, CLAVINOVA TONE, E.PIANO 1, E.PIANO 2, HARPSICHORD, VIBES, STRINGS, ORGAN
REVERB	Type: STEREO DELAY, ROOM, HALL Depth: MIN-MAX
TOUCH SENSITIVITY	HARD, NORMAL, SOFT
EFFECT	DETUNE, CHORUS, TREMOLO (with TREMOLO SPEED control)
PLAY MODES	NORMAL, DUAL, SPLIT
PEDAL CONTROLS	DAMPER, SOFT, SOSTENUTO
OTHER CONTROLS JACKS/CONNECTORS	MASTER VOLUME, BRILLIANCE, MIDI/TRANPOSE HEADPHONES, AUX OUT L/MONO & R, OPTIONAL IN L/R, OPTIONAL OUT L/R, MIDI IN/OUT/THRU
INPUT & OUTPUT LEVEL/IMPEDANCE	AUX OUT: 600-300 Ω /-7 dBm OPTIONAL OUT: 600 Ω /1~4 Vpp OPTIONAL IN: 22 k Ω /-10 dBm (for nominal output level)
MAIN AMPLIFIERS	50 W x 2 + 10 W x 2
SPEAKERS	16 cm x 2, 5 cm x 2, (6.5 x 13 cm) x 2
DIMENSIONS	1390 x 487 x 807 mm
WEIGHT	64.0 kg (141.1 lbs.)

NAME PLATE LOCATION: The nameplate is located on the rear panel. The Model, Serial Number, Power requirements, etc., are indicated on this plate.

You should note the model, serial number and the date of purchase in the spaces provided below and retain this manual as a permanent record of your purchase.

Model _____

Serial No. _____

Purchase Date _____

LAGE DES TYPENSCHILDS: Das Typenschild befindet sich auf der Rückseite. Modellbezeichnung, Seriennummer, Betriebsstrom etc, sind auf dem Typenschild angegeben.

Tragen Sie Modellbezeichnung, Seriennummer und Kaufdatum in die unten vorhandenen Felder ein und bewahren Sie dieses Handbuch als permanenten Kaufbeleg auf.

Modell _____

Seriennummer _____

Kaufdatum _____

EMPLACEMENT DE LA PLAQUE SIGNALÉTIQUE: La plaque signalétique se trouve sur le panneau arrière. Le modèle, le numéro de série, l'alimentation requise et autres paramètres sont indiqués sur cette plaque. Inscrire le modèle, le numéro de série et la date de l'achat dans l'espace prévu cidessous et conserver le mode d'emploi à titre d'enregistrement permanent de l'achat.

Modèle _____

N° de série _____

Date de l'achat _____

UBICACION DE LA PLACA DE CARACTERISTICAS: La placa de características está situada en el panel posterior. En esta placa se indican el modelo, el número de serie, la tensión de alimentación, etc. Anote el modelo, el número de serie, y la fecha de adquisición en los espacios ofrecidos a continuación, y guarde este manual como registro permanente de su adquisición.

Modelo _____

N.º de serie _____

Fecha de adquisición _____

YAMAHA [Clavinova]
 Model CLP-760 MIDI Implementation Chart

Date : 04/16, 1990
 Version : 1.0

Function	Transmitted	Recognized	Remarks
Basic Default	: 1	: 1	
Channel Changed	: 1-16	: 1-16	
Mode Default	: 3	: 1	
Mode Messages	: X	: OMNION, OMNIOFF	
	: *****	: X	
Note Number : True voice	: 21-108	: 21-108	
	: *****	: 21-108	
Velocity Note on	: 0 9nH, v=1-127	: 0 v=1-127	
Velocity Note off	: X 9nH, v=0	: X	
After Key's	: X	: X	
Touch Ch's	: X	: X	
Pitch Bender	: X	: X	
Control Change	: 07 : X	: 0	: Volume
	: 11 : X	: 0	: Expression
	: 64 : 0	: 0	: Damper
	: 66 : 0	: 0	: Sostenuto
	: 67 : 0	: 0	: Soft Pedal
	: 121 : X	: 0	: Reset All : Controllers
Program Change : True #	: 0 0-10	: 0 0-10	
	: *****	: 0-10	
System Exclusive	: 0	: 0	
System : Song Pos	: X	: X	
System : Song Sel	: X	: X	
Common : Tune	: X	: X	
System : Clock	: X	: X	
Real Time:Commands	: X	: X	
Aux : Local ON/OFF	: X	: 0	
Aux : All Notes OFF	: X	: 0 (123-125) *1	
Mes- : Active Sense	: 0	: 0	
sages:Reset	: X	: X	
Notes : *1 = receive (123) if omni off or multi-timbre on			
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: CLP-760

(Gerät, Typ, Bezeichnung)

in Übereinstimmung mit den Bestimmungen der
VERFÜGUNG 1046/84

(Amtsblattverfügung)

funk-entstört ist.

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

Yamaha Europa GmbH

Name des Importeurs

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

IMPORTANT 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.

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

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

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.

Dette apparat overholder det gaeldende EF-direktiv vedrørende radiostøj.

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

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

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

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

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

YAMAHA CORPORATION

YAMAHA