

YAMAHA *Clavinova*®

CLP-133

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

WICHTIG

Überprüfung der Stromversorgung

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

IMPORTANT

Contrôler la source d'alimentation

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

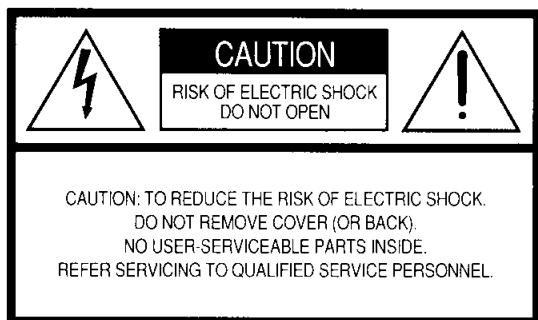
IMPORTANTE

Verifique la alimentación de corriente

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

SPECIAL MESSAGE SECTION

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



See bottom of Keyboard enclosure for graphic symbol markings



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



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

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

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

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

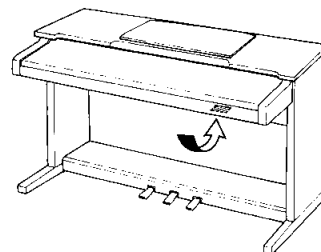
Battery Notice: This product **MAY** contain a small non-rechargeable battery which (if applicable) is soldered in place. The average life span of this type of battery is approximately five years. When replacement becomes necessary, contact a qualified service representative to perform the replacement.

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

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

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

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



Model _____

Serial No. _____

Purchase Date _____

Clavinova®

CLP-133

Owner's Manual

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Español

Introduction

Thank you for choosing a Yamaha CLP-133 Clavinova. Your Clavinova is a fine musical instrument that employs advanced Yamaha music technology. With the proper care, your Clavinova will give you many years of musical pleasure.

- Yamaha's AWM (Advanced Wave Memory) tone generator system offers rich, realistic voices. The CLP-133 additionally features stereo sampling of its PIANO 1 voice for unmatched realism and expressive power.
- 16 and 32-note polyphony permit use of the most sophisticated playing techniques.
- Piano-like touch response — adjustable in 3 stages — provides extensive expressive control and outstanding playability.
- Dual play mode allows 2 voices to be played simultaneously.
- Unique Clavinova Tone voice provides a fresh sound for new musical expression.
- Damper pedal includes natural resonance effect for the piano voices, simulating the string and sound-board resonance of acoustic pianos.
- 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.

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.

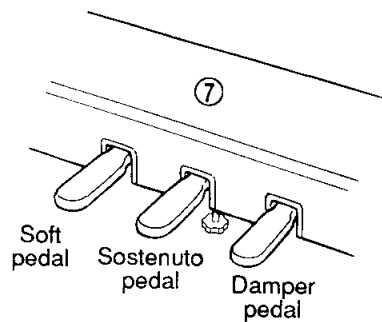
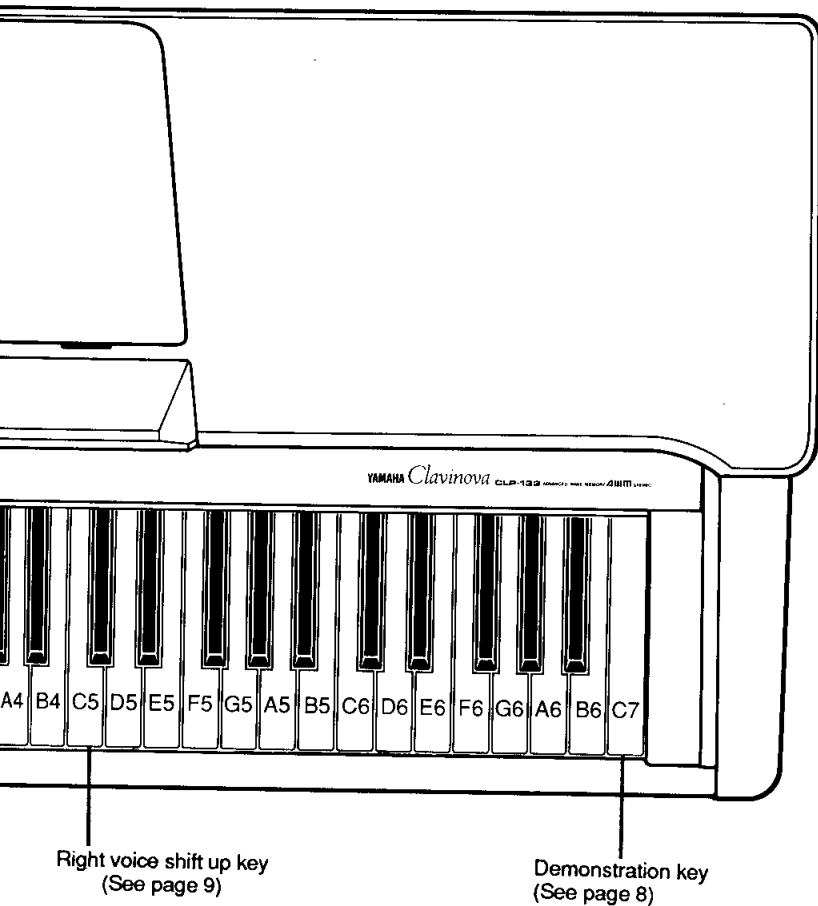
- 1** Never open the case and touch or tamper with the internal circuitry.
- 2** Always turn the POWER switch OFF after use, and close the key cover to protect the keyboard.
- 3** Clean the cabinet and keys of your Clavinova only with a clean, slightly damp cloth. A neutral cleanser may be used if desired. 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.
- 7** Make sure that your local AC mains voltage matches the voltage specified on the name plate.* 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.

* **Name Plate Location**

The CLP-133 name plate is located on the bottom panel.

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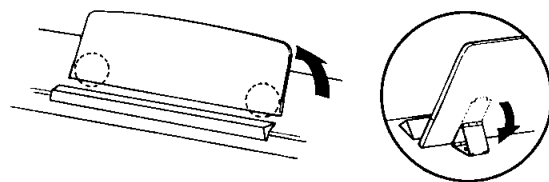


⑦ Pedals

The CLP-133's soft (left), sostenuto (center) and damper (right) pedals provide a range of expressive control capabilities similar to the pedal functions on an acoustic piano.

⇨ See page 11 for details.

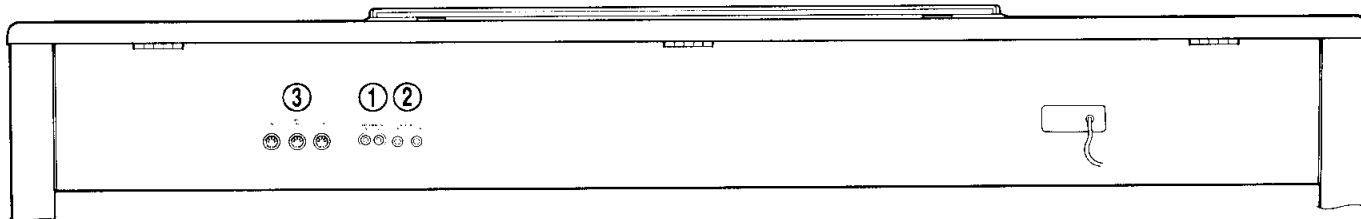
● The Music Stand



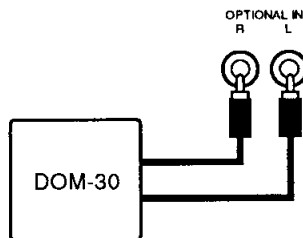
If you will be using sheet music with your Clavinova, raise the music stand built into its top panel by lifting the rear edge of the music stand, then flip down the music stand braces and engage them with the corresponding recesses.

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

Connections

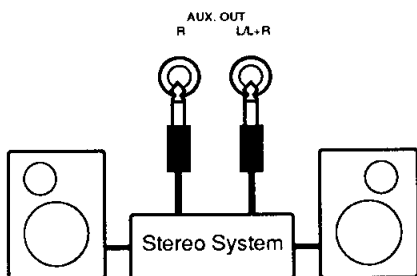


① OPTIONAL IN L/R Jacks



These jacks are intended for use with an external tone generator module such as the Yamaha DOM-30 Disk Orchestra Module. The stereo outputs from the external tone generator module are connected to the OPTIONAL IN L and R jacks, allowing the sound of the tone generator to be reproduced via the Clavinova's internal sound system and speakers.

② AUX OUT R and L/L+R Jacks



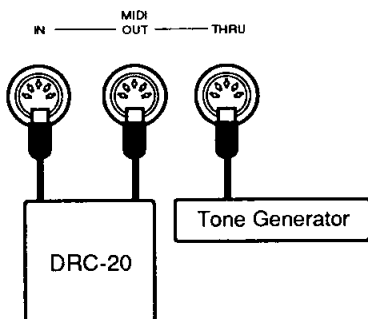
The AUX OUT R and L/L+R jacks deliver the output of the Clavinova for connection to an instrument amplifier, mixing console, PA system, or recording equipment. If you will be connecting the Clavinova to a monaural sound system, use only the L/L+R jack. When a plug is inserted into the L/L+R jack only,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

The Internal Amplifier & Speaker System

The CLP-133 features a high-performance stereo amplifier delivering 30 watts per channel, and an original Yamaha Active Servo Technology speaker system including two 13-cm and two 5-cm speaker units.

Note: The AUX OUT jack signal must never be returned to the OPTIONAL IN jacks, either directly or through external equipment.

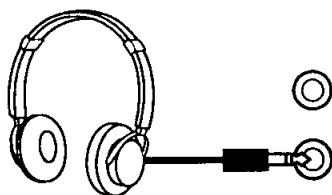
③ MIDI IN, THRU and OUT Connectors



The MIDI IN connector receives MIDI data from an external MIDI device (such as the 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 14.

● HEADPHONES Jacks (Bottom Panel)



Two pairs of 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 either of the HEADPHONES jacks.

Selecting & Playing Voices

1 Turn Power On



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

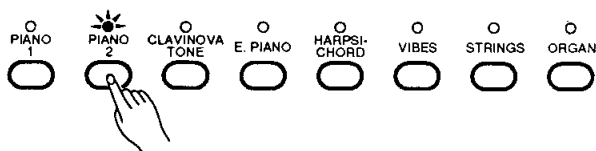
2 Set the Volume



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 a Voice

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



4 Play



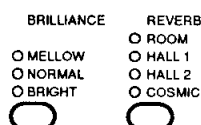
The PIANO 2 voice has 32-note polyphony while all other voices have 16-note polyphony (refer to the polyphony chart, below), which means you can play up to 32 or 16 notes at once. The Clavinova also offers keyboard touch response, so the volume and timbre of notes played can be controlled according to how "hard" you play the keys. The amount of variation available depends on the selected voice.

* The total number of notes that can be played simultaneously is reduced by half when the DUAL play mode is used. See page 9 for information on the DUAL play mode.

CLP-133 Polyphony

PIANO 1	PIANO 2	CLAVINOVA TONE	E. PIANO	HARPSICHORD	VIBES	STRINGS	ORGAN
16 (Stereo)	32	16	16	16	16	16	16

5 Adjust Tone & Add Effects As Required



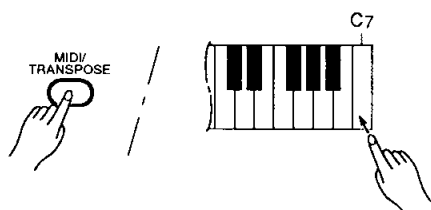
You can also change the overall tone or add reverb and/or effects as desired by using the [REVERB] button, and the [BRILLIANCE] button (see page 4 for [BRILLIANCE] button operation, "Reverb" on page 10).

Selecting & Playing Voices

Playing the Demonstration Tunes

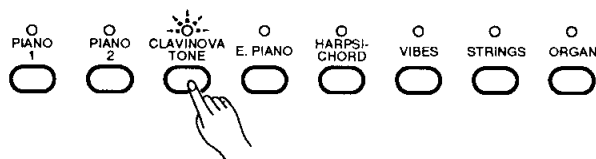
The CLP-133 has 8 demo tunes that effectively demonstrate their sound capabilities. Here's how you can select and play the demo tunes.

1 Engage the Demo Mode



Press the C7 key while holding the [MIDI/TRANSCOPE] button. The voice selectors will begin flashing in sequence to indicate that the demo mode is engaged.

2 Select a Demo Tune



The demo tunes are selected via the voice selectors. Press a selector to start playback of the corresponding tune, featuring the voice normally selected by that voice selector button. The demo tunes will play in sequence until stopped, starting with the selected tune. The voice selector indicator will flash during demo playback.

3 Set the Volume



Use the [MASTER VOLUME] control to adjust the volume, and play along on the keyboard if you like.

4 Stop the Demo



Press the [MIDI/TRANSCOPE] button when you want to stop demo playback and return to the normal play mode.

The Demo Tunes

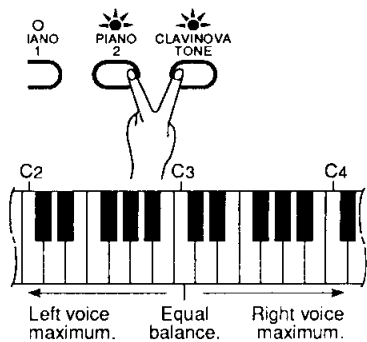
[PIANO 1]	.....	"Grande valse brillante" by F. F. Chopin
[PIANO 2]	.....	"Lake Louise" by Yuhki Kuramoto
[CLAVINOVA TONE]	.....	"Rêverie" by Debussy
[HARPSICHORD]	.....	"Invention 3" by J. S. Bach
[ORGAN]	.....	"Symphonie pour orgue No.5" by Widor

- The demonstration pieces listed above are short excerpts from the original compositions. All other demo songs are original (© 1993 by YAMAHA CORPORATION).

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 voices will light when the DUAL mode is active. To return to the normal single-voice play mode, press any single voice selector.

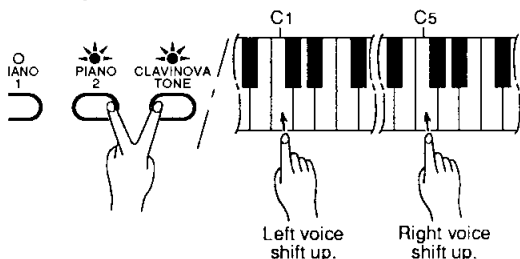
● Adjusting the Balance Between the Dual-mode Voices



The volume levels of the two voices combined in the DUAL mode are normally set automatically to produce a pleasing balance (see “Default Settings” below). The balance can be adjusted manually by using the C2 through C4 keys on the keyboard while pressing the two voice selectors corresponding to the voices to be combined in the DUAL mode.

The C3 key produces equal (50:50) balance between the two voices, while keys to the left of C3 increase the volume of the left voice in relation to the right voice, and keys to the right of C3 increase the volume of the right voice in relation to the left voice. By “left” and “right” voice we refer to the relative positions of the voice selectors — i.e. in a PIANO 2/CLAVINOVA TONE combination PIANO 2 is the left voice and CLAVINOVA TONE is the right voice.

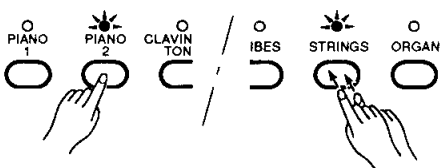
● Shifting a Dual-Mode Voice Up One Octave



Depending on which voices you combine using the DUAL mode, the combination may sound better if one of the voices is shifted up an octave. To shift the right voice, press the C5 key while pressing the two voice selectors corresponding to the voices to be combined in the DUAL mode. Press C5 again to shift the voice back to its normal range. Use the C1 key in the same way to shift the left voice.

Default octave settings are provided for all voice combinations, as listed in the “Default Settings” chart, below.

● 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.

Default Settings

		Balance							
		PIANO 1	PIANO 2	CLAVINOVA TONE	E. PIANO	HARPSICHORD	VIBES	STRINGS	ORGAN
Octave Shift	PIANO 1		C3	C3	C3	C3	C3	F2	E2
	PIANO 2	0		C3	C3	C3	C3	F2	E2
	CLAVINOVA TONE	0	0		C3	C3	C3	F2	F2
	E. PIANO	0	0	0		C3	C3	F2	E2
	HARPSICHORD	0	0	0	0		C3	F2	G2
	VIBES	R	R	R	R	R		B2	B2
	STRINGS	0	0	0	0	0	L		C3
ORGAN	0	0	0	0	0	L	0		

C2 ... C4: Balance keys 0: Normal octave L: Left voice up one octave R: Right voice up one octave

Reverb

The [REVERB] button selects a number of digital reverb effects that you can use for extra depth and expressive power.

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

OFF When no reverb effect is selected (no REVERB indicator is lit), a special natural damper effect is applied to the piano voices. This simulates the natural resonance of an acoustic piano's strings and sound board when the damper pedal is pressed.

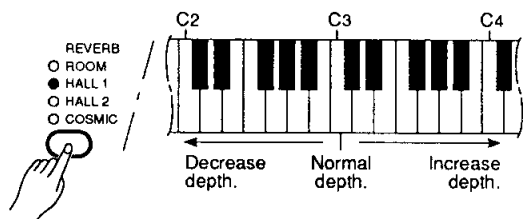
ROOM This setting add a continuous reverb effect to the sound that is similar to the type of acoustic reverberation you would hear in a medium-size room.

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

HALL 2 For a really spacious reverb sound, use the HALL 2 setting. This effect simulates the natural reverberation of a large concert hall.

COSMIC..... The COSMIC reverb effect produces an echo-plus-reverb sound that can add life and animation to your music.

● Adjusting Reverb Depth



The depth of the selected reverb effect can be adjusted for the current voice by using the C2 through C4 keys on the keyboard while holding the [REVERB] button. The C3 key sets the "normal" depth for the selected effect. Keys to the left of C3 decrease the reverb depth, while keys to the right of the C3 key increase the reverb depth. Separate reverb settings can be made for each effect and voice, and these settings are retained in memory until the power is turned off. The depth of the natural damper effect is fixed.

Default Settings

	ROOM	HALL 1	HALL 2	COSMIC
STRINGS, ORGAN	C3	C3	F3	E3

* All effect types set to C3 for all other voices.

* The default reverb type is OFF.

The Pedals

The CLP-133 has three pedals that produce a range of expressive effects similar to those produced by the pedals on an acoustic piano.

● Soft (Left) Pedal

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

● Sostenuto (Center) 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.”

● Damper (Right) 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. When no REVERB effect is selected and a piano voice is selected, the damper pedal also produces a special “resonance” that simulates the ring of the strings and the sound board of an acoustic piano. Releasing the pedal immediately stops (damps) any sustained notes. The CLP-133 damper pedal additionally features continuous damping. This allows you to create shorter effects by pressing the damper pedal down only part of the way.

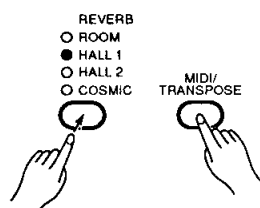
Touch Sensitivity

Three different types of keyboard touch sensitivity — HARD, MEDIUM or SOFT — can be selected to match different playing styles and preferences. The different touch sensitivity settings are selected by using the [MIDI/TRANSCOPE] and [REVERB] buttons.

HARD (ROOM indicator) The HARD setting requires the keys to be played quite hard to produce maximum loudness.

MEDIUM (HALL 1 indicator) The MEDIUM setting produces a fairly “standard” keyboard response. This is the initial factory default setting.

SOFT (HALL 2 indicator) The SOFT setting allows maximum loudness to be produced with relatively light key pressure.

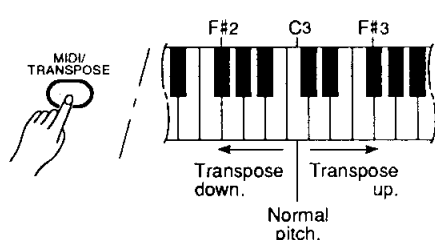


To select a touch sensitivity setting press the [REVERB] button a few times while holding the [MIDI/TRANSCOPE] button until the indicator corresponding to the desired setting lights.

Transposition

The Clavinova's TRANSCOPE 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 facilitates playing in difficult key signatures, and you can easily match the pitch of the keyboard to the range of a singer or other instrumentalist.

The [MIDI/TRANSCOPE] button and keys F#2 through F#3 on the keyboard are used for transposition.



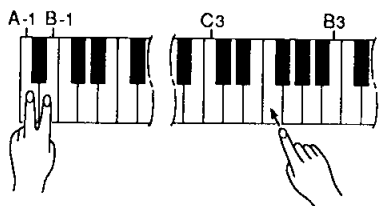
- 1** Press and hold the [MIDI/TRANSCOPE] button.
- 2** Press a key between F#2 and F#3 according to the desired amount of transposition.*
- 3** Release the [MIDI/TRANSCOPE] button.

* Pressing the C3 key produces normal keyboard pitch. Pressing the key to the left of C3 (B2) transposes the pitch of the keyboard down a semitone, the next key to the left (Bb2) transposes down a whole tone (two semitones), etc., down to the F#2 key which transposes down 6 semitones. Upward transposition is accomplished in the same way using the keys to the right of C3, up to F#3 which transposes up 6 semitones.

Pitch Control

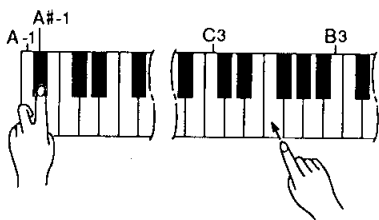
Pitch control makes it possible to tune the Clavinova over a ± 50 -cent range in approximately 1.2-cent intervals. A hundred "cents" equals one semitone, so the tuning range provided allows fine tuning of overall pitch over a range of approximately a semitone. Pitch control is useful for tuning the Clavinova to match other instruments or recorded music.

● Tuning Up



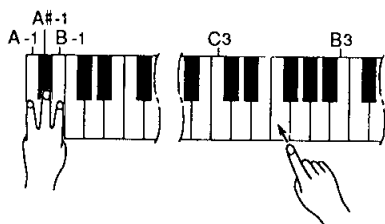
- 1** To tune up (raise pitch), hold the A-1 and B-1 keys simultaneously.
- 2** Press any key between C3 and B3. Each time a key in this range is pressed the pitch is increased by approximately 1.2 cents, up to a maximum of 50 cents above standard pitch.
- 3** Release the A-1 and B-1 keys.

● 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*



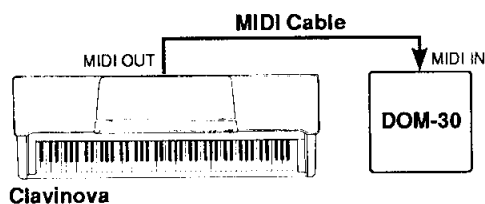
- 1** To restore standard pitch (A3 = 440 Hz), hold the A-1, A#-1 and B-1 keys simultaneously.
- 2** Press any key between C3 and B3.
- 3** Release the A-1, A#-1 and B-1 keys.

* Standard pitch (A3 = 440 Hz) is set when the [POWER] switch is initially turned ON.

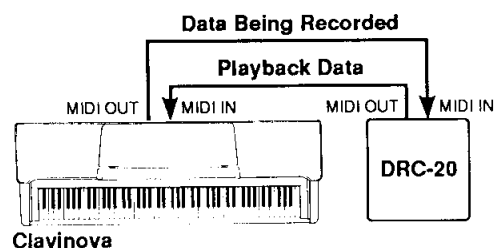
Note: The PITCH CONTROL function has no effect when LOCAL OFF is active (see "MIDI FUNCTIONS," page 16).

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 (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 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-133 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 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.

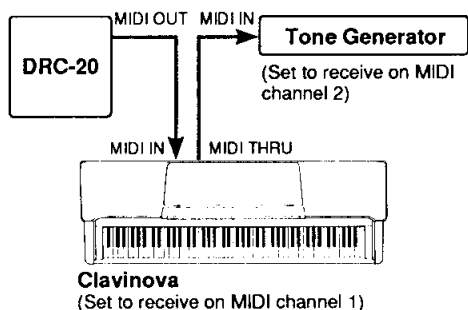
Program Change Numbers

The CLP-133 transmits a MIDI program change number between 0 and 8 when one of its voice selectors is pressed. This normally causes the correspondingly numbered voice 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 16 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 17 for information on turning control change number reception and transmission ON or OFF.

● MIDI Transmit & Receive Channel Selection

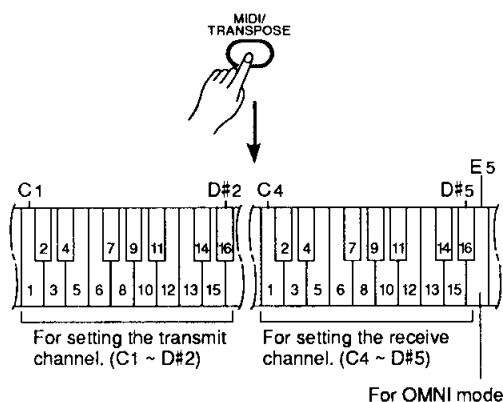


The MIDI system allows transmission and reception of MIDI data on 16 different channels. Multiple channels have been implemented to allow selective control of certain instruments or devices connected in series. For example, a single MIDI sequence recorder could be used to “play” two different instruments 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 C4 through D#5 are used to turn the OMNI mode OFF and set the MIDI receive channel as shown in the illustration to the left. The E5 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 Transmit Transpose

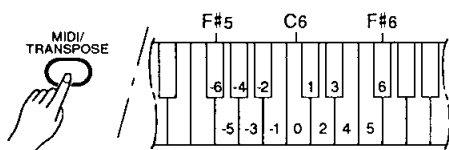
This function allows the MIDI note data transmitted by the Clavinova to be transposed up or down in semitone increments by up to plus or minus 6 semitones. The pitch of the Clavinova itself is not affected.

Setting the MIDI Transpose Function

- 1** Press and hold the [MIDI/TRANSCOPE] button.
- 2** Press the key on the keyboard corresponding to the desired amount of transposition.*
- 3** Release the [MIDI/TRANSCOPE] button.

* Keys F#5 through F#6 on the keyboard are used to set the MIDI transmit transpose function as shown in the illustration to the left.

Note: When the power is turned ON, MIDI transmit transpose is set to 0 (no transposition).



Other MIDI Functions

The MIDI functions listed to the right are engaged by holding down the [MIDI/TRANSPOSE] button and pressing the corresponding voice selector. Full details are given in the following pages.

MIDI FUNCTION CHART

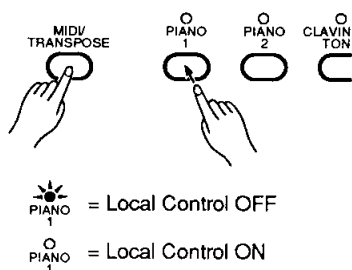
Function	CLP-133 Voice Selector
Local Control ON/OFF	[PIANO 1]
Program Change ON/OFF	[PIANO 2]
Control Change ON/OFF	[CLAVINOVA TONE]
Multi-Timbre Mode	[E. PIANO]
MIDI Split & Left Local OFF	[HARPSICHORD]
MIDI Split & Right Local OFF	[VIBES]
Panel Data Transmit	[STRINGS]

● 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.

When using the DOM-30 Disk Orchestra Module with the Clavinova, for example, Local Control should be turned OFF when recording using the DOM-30 voices only, and ON when recording the Clavinova voices while listening to playback of the DOM-30 voices.

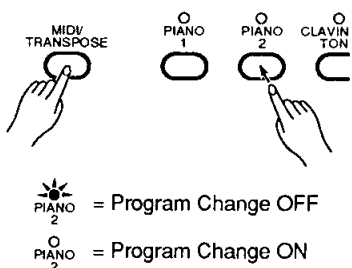


- 1** Hold down the [MIDI/TRANSPOSE] button.
- 2** Press the [PIANO 1] voice selector. If the PIANO 1 LED is lit when the [PIANO 1] voice selector is pressed, you have turned local control OFF. If the PIANO 1 LED is not lit when the [PIANO 1] voice selector is pressed, you have turned local control ON.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

● Program Change ON/OFF

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

This function makes it possible to cancel program change number reception and transmission so that voices can be selected on the Clavinova without affecting the external MIDI device, and vice versa.

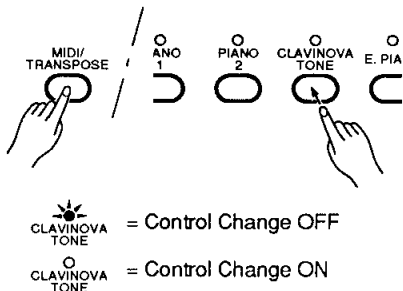


- 1** Hold down the [MIDI/TRANSPOSE] button.
- 2** Press the [PIANO 2] voice selector. If the PIANO 2 LED is lit when the [PIANO 2] voice selector is pressed, you have turned program change reception/transmission OFF. If the PIANO 2 LED is not lit when the [PIANO 2] voice selector is pressed, you have turned program change reception/transmission ON.
- 3** Release the [MIDI/TRANSPOSE] 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 one of its pedals are operated.

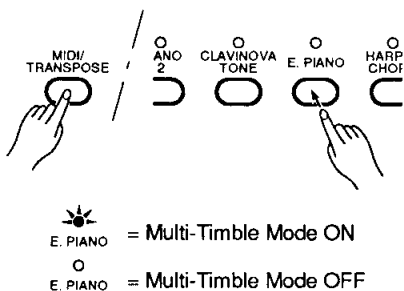
This function makes it possible to cancel control change data reception and transmission if you do not want the Clavinova voices to be affected by control change data received from an external device or vice versa.



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

● The Multi-Timbre Mode

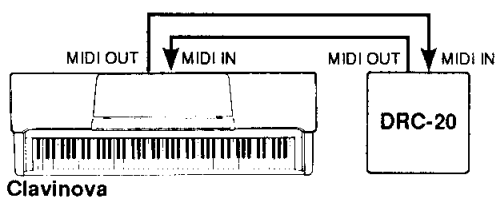
The Multi-Timbre mode is a special mode in which the Clavinova voices can be independently controlled on different MIDI channel numbers (1 through 10) by an external MIDI device such as the Yamaha DRC-20 Disk Recorder. The Multi-Timbre mode can be activated as follows:



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

A Multi-timbre Example

Here's an example of how you could use the Multi-Timbre mode to record two different parts on the DRC-20 Disk Recorder that will play different voices on the Clavinova when played back.

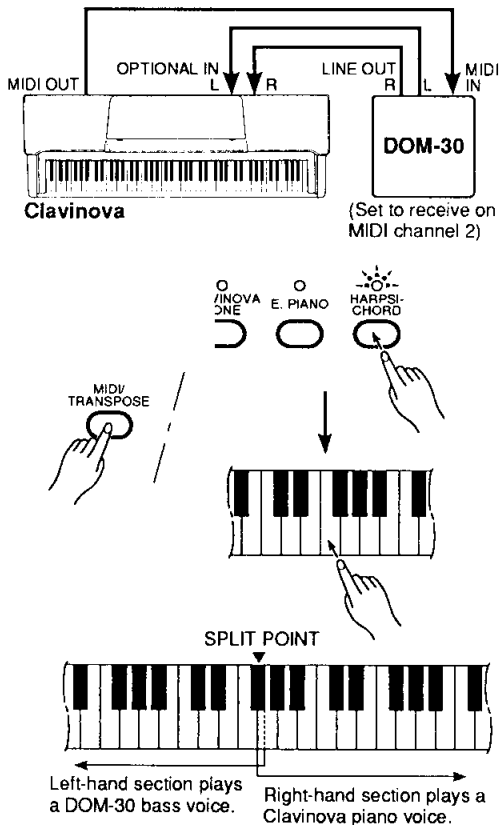


- 1** Connect the DRC-20 to the Clavinova as shown to the left.
- 2** Activate the Clavinova Multi-Timbre mode.
- 3** Set the DRC-20 track 1 to record.
- 4** Select a voice and record the first part on the DRC-20.
- 5** Set the DRC-20 track 2 to record.
- 6** Select a voice and record the second part on the DRC-20.
- 7** Still in the Multi-Timbre mode, play back the DRC-20. The recorded parts will be played back using the individual voices selected during recording, providing a full ensemble sound.

MIDI Functions

● The MIDI Split & Left Local OFF Mode

In the MIDI 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 DOM-30 Disk Orchestra Module. 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 MIDI 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 MIDI 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).

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

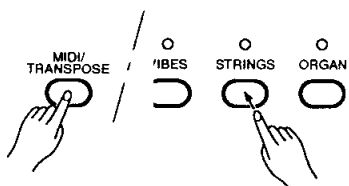
Note: When the power is turned ON the default split point key — F#2 — will be automatically selected. If a new split point is selected it remains active until the power is turned OFF or a different split point is selected.

● The MIDI Split & Right Local Off Mode

In the CLP-133 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 [VIBES] voice selector instead of the [HARPSICHORD] voice selector when activating the Split mode (see the preceding 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.



- 1** Hold down the [MIDI/TRANPOSE] button.
- 2** Press the [STRINGS] voice selector.
- 3** Release the [MIDI/TRANPOSE] 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 comfortable bench styled to match your Yamaha Clavinova.

HPE-160 Stereo Headphones

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

● Expander Modules

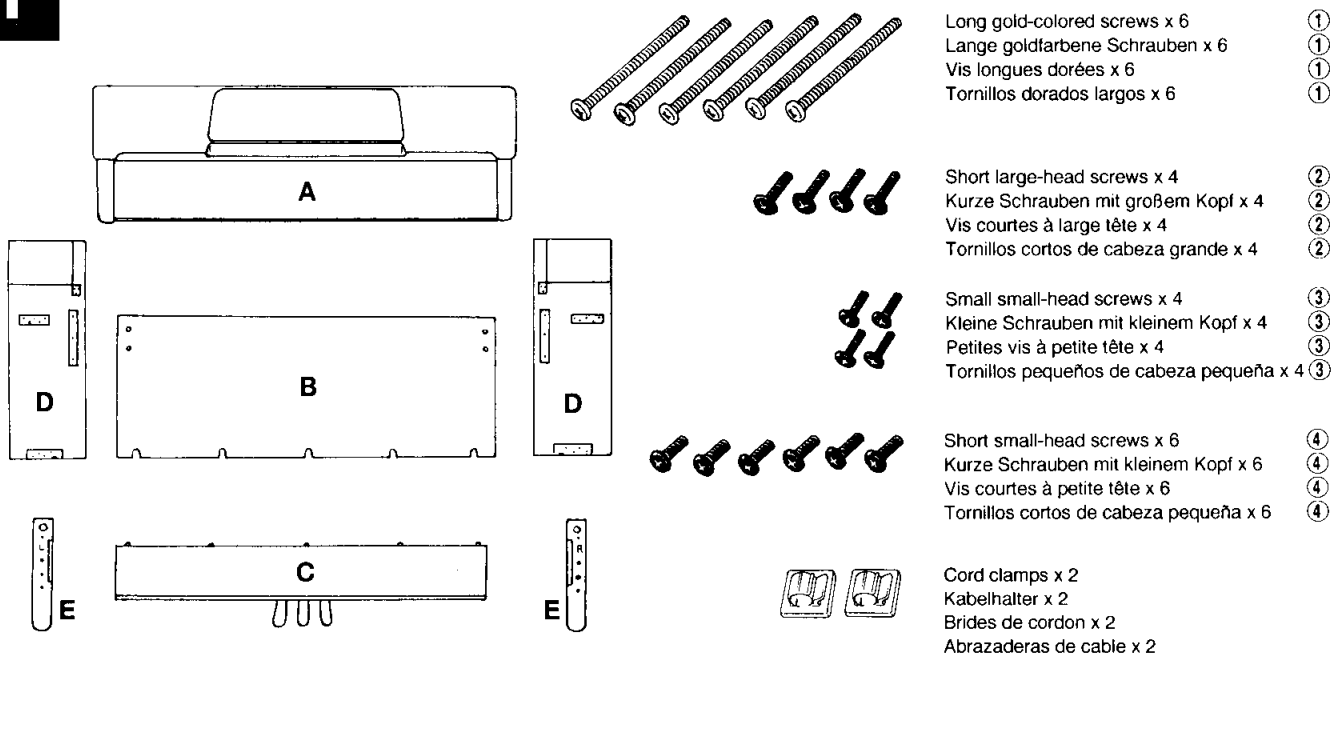
DRC-20

Disk Recorder

DOM-30

Disk Orchestra Module

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

1

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

Secure the feet (E) to the side panels (D) with the six long gold-colored screws ① (3 each). 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 (the feet are marked "L" and "R" for easy identification).

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

Attach the side panels (D) to the corresponding ends of the pedal box (C) — be sure to unwrap and extend the pedal cord first (the pedal cord is wrapped and stored below the pedal box). Each side panel is attached to the pedal box using two short large-head screws ② inserted from above the pedal box.

Zusammenbau und Aufstellung

Hinweis: Wir raten davon ab, das Clavinova alleine zusammenzubauen und aufzustellen. Zwei Personen können diese Arbeit jedoch problemlos ausführen.

1 Öffnen Sie den Karton und nehmen Sie alle Teile heraus.

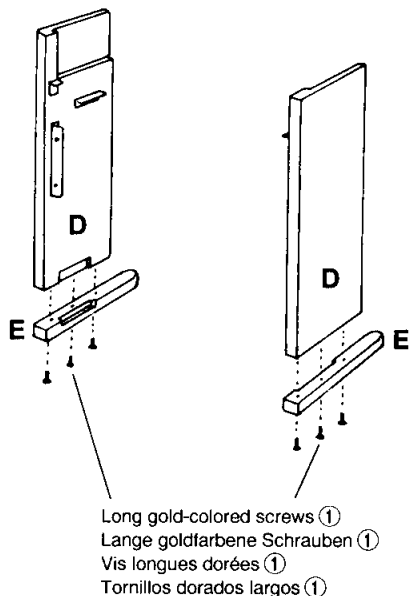
Im Karton sollten die in der Abbildung aufgeführten Teile enthalten sein. Prüfen Sie zunächst bitte, ob alle Teile vollständig vorhanden sind.

2 Schrauben Sie die Seitenwände (D) und die Füße (E) zusammen.

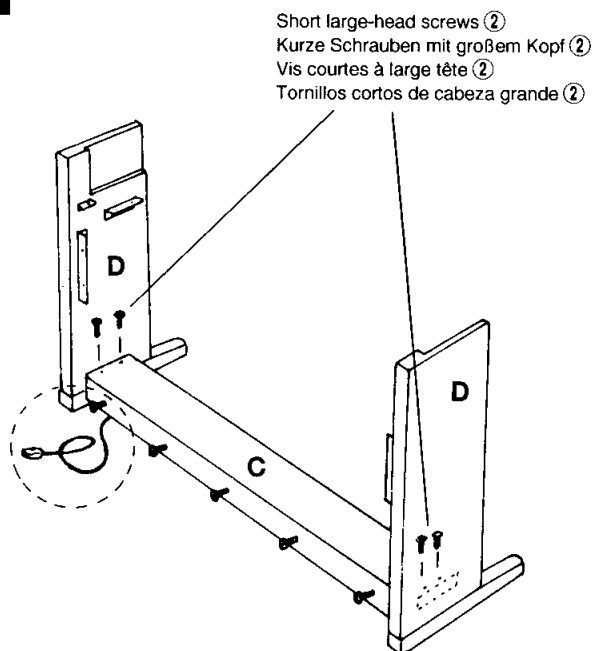
Machen Sie die Füße (E) mit jeweils drei der sechs langen goldfarbenen Schrauben ① an den Seitenwänden (D) fest. Achten Sie darauf, daß die Füße richtig herum angebracht werden, wie in der Abbildung gezeigt. Die genutete Kante der Füße muß innen zu liegen kommen (die Füße sind zur leichteren Orientierung mit "L" und "R" gekennzeichnet).

3 Schrauben Sie die Seitenwände (D) und den Pedalkasten (C) zusammen.

Schrauben Sie die Seitenwände (D) an den beiden Enden des Pedalkastens (C) fest — das Pedalkabel muß hierbei zunächst abgewickelt werden (das Kabel ist unter dem Pedalkasten gebündelt angebracht). Die beiden Seitenwände werden mit jeweils zwei kurzen Schrauben mit großem Kopf ② befestigt, die von oben her in den Pedalkasten einzusetzen sind.

2

Long gold-colored screws ①
 Lange goldfarbene Schrauben ①
 Vis longues dorées ①
 Tornillos dorados largos ①

3

Short large-head screws ②
 Kurze Schrauben mit großem Kopf ②
 Vis courtes à large tête ②
 Tornillos cortos de cabeza grande ②

Assemblage du support de clavier

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

1 Ouvrez le carton et retirez toutes les pièces

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

2 Montez les panneaux latéraux (D) et les supports inférieurs (E)

Fixez les supports inférieurs (E) aux panneaux latéraux (D) à l'aide des six vis longues dorées ① (3 de chaque côté). Vérifiez que les supports inférieurs gauche et droit sont dans le bon sens, comme représenté sur l'illustration. Le bord découpé de chaque support doit être dirigé vers l'intérieur (les supports sont marqués "L" (gauche) et "R" (droit) pour faciliter leur identification).

3 Fixez les panneaux latéraux (D) au pédalier (C)

Fixez les panneaux latéraux (D) aux extrémités correspondantes du pédalier (C) - déballez et déroulez tout d'abord le cordon du pédalier (le cordon du pédalier est emballé et rangé sous le pédalier). Chaque panneau latéral est fixé au pédalier à l'aide de deux vis courtes à large tête ② visées depuis le haut du pédalier.

Conjunto del soporte del teclado

Nota: No le recomendamos que intente montar la Clavinova usted solo. El trabajo puede ser realizado fácilmente entre dos personas.

1 Abra la caja y extraiga todas las partes.

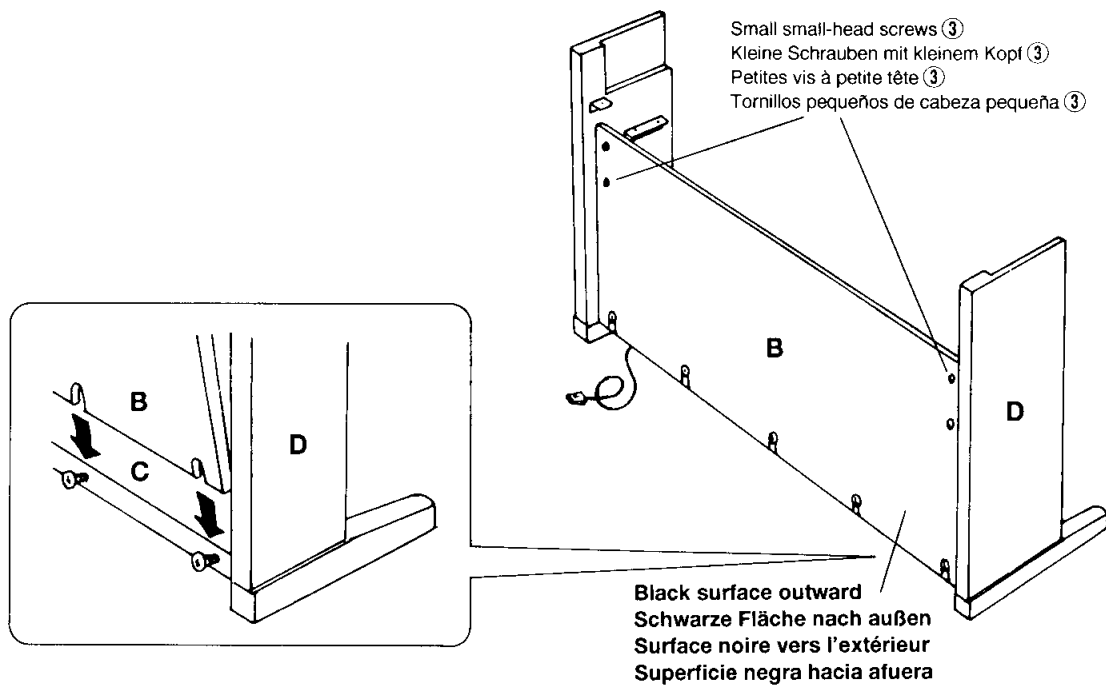
Al abrir la caja deberá encontrar todas las partes mostradas en la ilustración. Compruebe para asegurarse que se proporcionan todas las partes necesarias.

2 Monte los paneles laterales (D) y las patas (E).

Asegure las patas (E) en los paneles laterales (D) con los seis tornillos dorados largos ① (3 cada uno). Asegúrese de que las patas izquierda y derecha quedan encaradas en la dirección correcta como se muestra en la ilustración. El borde ranurado de cada pata debe quedar encarado hacia adentro (las patas tienen las marcas de "L" (izquierda) y "R" (derecha) para facilitar la identificación).

3 Acople los paneles laterales (D) en la caja de pedales (C).

Acople los paneles laterales (D) a los extremos correspondientes de la caja de pedales (C); asegúrese de que desenvolver primero y de extender el cable de los pedales (el cable de pedales está envuelto y guardado debajo de la caja de pedales). Cada panel lateral se acopla a la caja de pedales usando dos tornillos cortos de cabeza grande ② insertados desde encima de la caja de pedales.



4 Attach the rear panel (B).

With the black surface of the rear panel facing outward and the panel angled slightly as shown in the illustration, lower it onto the screws protruding from the rear of the pedal box so that the screws fit into the corresponding slots in the lower edge of the rear panel. Then, while eliminating any gaps between the rear and side panels, secure the top of the rear panel to the side panel brackets using the four small small-head screws (3). Finally, tighten the screws holding the rear panel to the pedal box.

5 Install the main unit (A).

Rest the rear edge of the main unit (A) on the front edges of the cutouts in the side panels (D), then slide the main unit backward firmly until it stops (so that there is no clearance between the main unit side panels and the stand, as shown in the illustration "a"). **WATCH YOUR FINGERS WHILE DOING THIS!!** Also be sure to place your hands at least 10 centimeters from either end of the main unit when positioning it.

There is slight horizontal play between the main unit and side panels, so center the main unit, as shown in the illustration "b", then attach the rear of the main unit with two short small-head screws (4), and the front of the main unit with four more short small-head screws (4) as shown in the illustration.

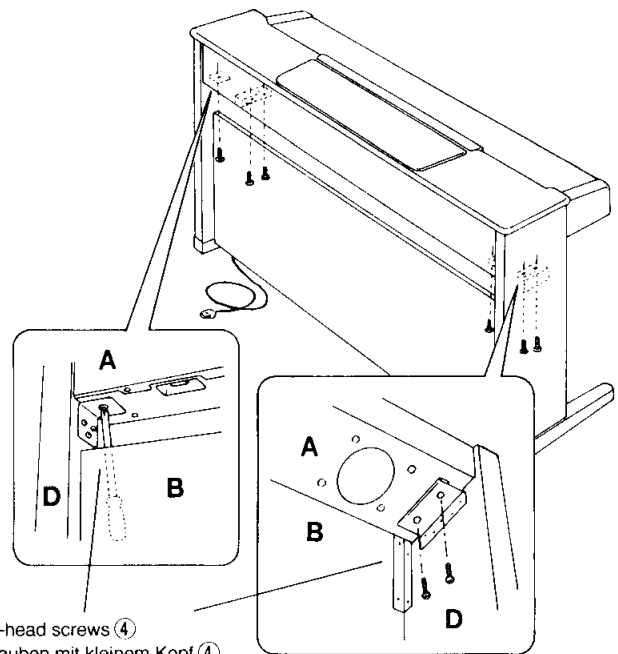
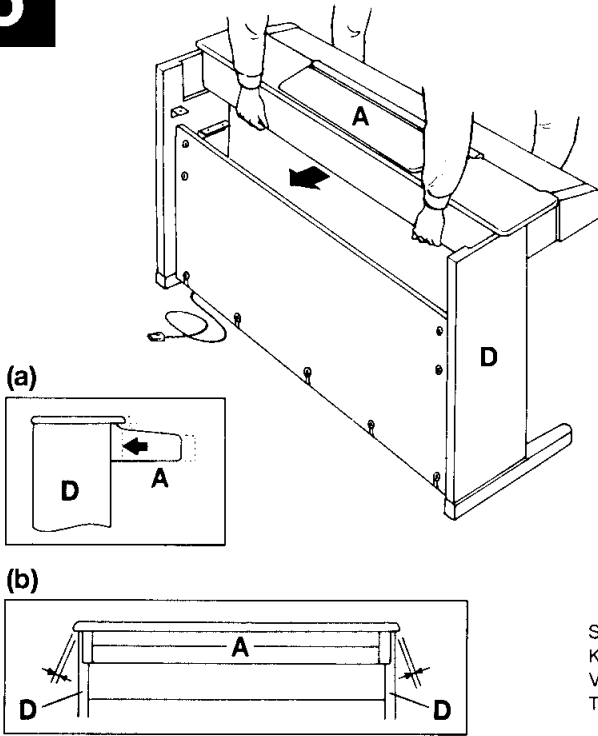
4 Schrauben Sie die Rückwand (B) an.

Setzen Sie die Rückwand mit der schwarzen Fläche nach außen und wie in der Abbildung leicht abgewinkelt so auf die Schrauben hinten am Pedalkasten, daß die Schrauben in die Aussparungen an der Unterkante der Rückwand greifen. Richten Sie die Rückwand danach so aus, daß keine Zwischenräume zwischen ihr und den Seitenwänden verbleiben, und schrauben Sie die Rückwand in dieser Lage oben mit den vier kleinen Schrauben mit kleinem Kopf (3) an die Winkelbleche der Seitenwände. Ziehen Sie abschließend noch die Schrauben im Pedalkasten fest an.

5 Montieren Sie die Tastatureinheit (A)

Setzen Sie die hinteren Ecken der Tastatureinheit (A) auf die ausgefrästen Kanten der beiden Seitenwände (D), und schieben Sie die Tastatureinheit dann bis zum Anschlag nach hinten (zwischen der Tastatureinheit und den Seitenwänden darf an dem in Abbildung "a" gezeigten Punkt kein Zwischenraum verbleiben). **KLEMMEN SIE IHRE FINGER DABEI NICHT EIN!!** Achten Sie beim Ausrichten außerdem darauf, daß Sie Ihre Hände mindestens 10 cm von den beiden Enden der Tastatureinheit entfernt ansetzen.

Die Tastatureinheit hat zwischen den beiden Seitenwänden horizontal etwas Spiel. Richten Sie die Tastatureinheit gemäß Abbildung "b" mittig aus, und machen Sie die Tastatureinheit dann hinten mit zwei kurzen Schrauben mit kleinem Kopf (4) und vorne mit vier weiteren kurzen Schrauben mit kleinem Kopf (4) fest, wie in der Abbildung gezeigt.

5

Short small-head screws ④
 Kurze Schrauben mit kleinem Kopf ④
 Vis courtes à petite tête ④
 Tornillos cortos de cabeza pequeña ④

4 Fixez le panneau arrière (B)

La surface noire du panneau arrière étant dirigée vers l'extérieur et le panneau étant légèrement incliné comme représenté sur l'illustration, abaissez-le sur les vis sortant de l'arrière du pédalier de sorte que les vis s'insèrent dans les fentes correspondantes sur le bord inférieur du panneau arrière. Puis, tout en éliminant les espaces entre les panneaux arrière et latéraux, fixez le haut du panneau arrière aux ferrures des panneaux latéraux à l'aide des quatre petites vis à petite tête ③. Finalement, serrez les vis maintenant le panneau arrière au pédalier.

5 Posez le clavier (A)

Posez le bord arrière du clavier (A) sur les bords avant des découpes des panneaux latéraux (D), puis faites glisser le clavier vers l'arrière jusqu'à ce qu'il vienne en butée (de sorte qu'il n'y ait aucun jeu entre les panneaux latéraux du clavier et le support, comme représenté sur l'illustration "a"). **FAITES ATTENTION A VOS DOIGTS EN EXECUTANT CETTE OPERATION!!** Veillez également à placer vos mains à au moins 10 centimètres des deux extrémités du clavier pour le positionner.

Du fait qu'il y a un léger jeu horizontal entre le clavier et les panneaux latéraux, vous devez d'abord centrer le clavier, comme représenté sur l'illustration "b", puis fixer l'arrière du clavier à l'aide de deux vis courtes à petite tête ④ et l'avant du clavier avec quatre autres vis courtes à petite tête ④ comme représenté sur l'illustration.

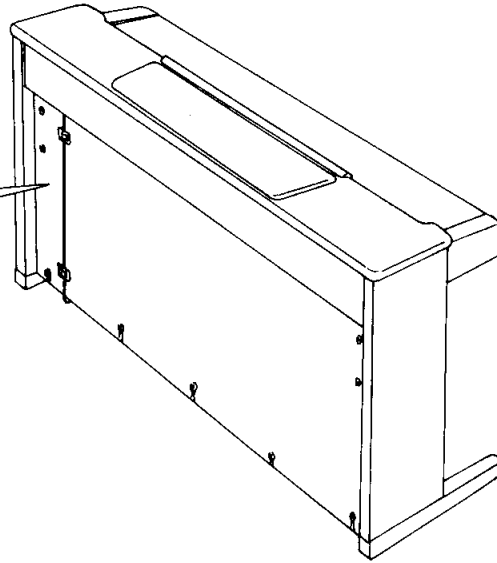
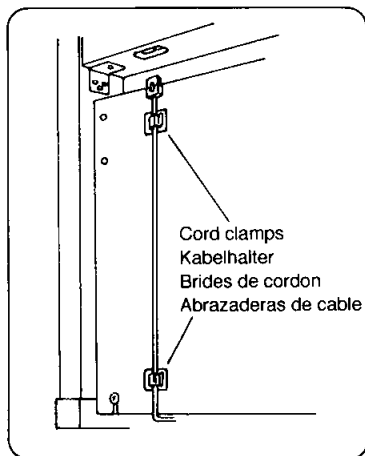
4 Acople el panel posterior (B).

Con la superficie negra del panel posterior encarada hacia afuera y el panel puesto un poco inclinado como se muestra en la ilustración, bájelo a los tornillos que sobresalen por detrás de la caja de pedales de forma que los tornillos se acoplen en las ranuras correspondientes del borde inferior del panel posterior. Entonces, mientras suprime las holguras entre los paneles posterior y laterales, fije la parte superior del panel posterior a las ménsulas de los paneles laterales usando los cuatro tornillos pequeños de cabeza pequeña ③. Finalmente, apriete los tornillos que retienen el panel posterior a la caja de pedales.

5 Instale la unidad principal (A).

Apoye el borde posterior de la unidad principal (A) en los bordes frontales de los cortes de los paneles laterales (D), y deslice entonces la unidad principal hacia atrás hasta que se pare (de modo que no haya holgura entre los paneles laterales de la unidad principal y el soporte, como se muestra en la ilustración "a"). **TENGA CUIDADO CON SUS DEDOS MIENTRAS LO HACE!** Asegúrese también de poner las manos por lo menos a 10 centímetros de los extremos de la unidad principal cuando la coloque.

Hay un poco de juego horizontal entre la unidad principal y los paneles laterales, por lo que deberá centrar la unidad principal como se muestra en la ilustración "b", y acople entonces la parte posterior de la unidad principal con dos tornillos cortos de cabeza pequeña ④, y la parte frontal de la unidad principal, con cuatro tornillos cortos de cabeza pequeña más ④ como se muestra en la ilustración.

6

6 Connect the pedal cord.

The pedal cord from the pedal box must be plugged into the corresponding connectors in the main unit. The plug only goes in one way (the lug on the connector should face the rear of the unit, as shown in the illustration), so don't try to force it in the wrong way around. Once connected, attach the cord clamps to the rear panel as shown, then clip the cord into the clamps.

7 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.

Important: Check once more to make sure that all screws have been securely tightened and that no parts are left over.

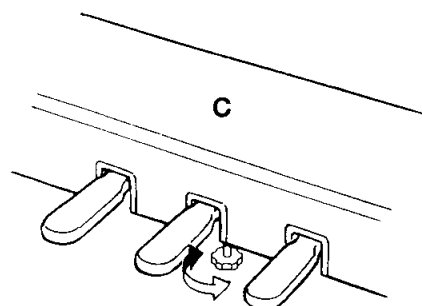
6 Schließen Sie das Pedalkabel an.

Das vom Pedalkabel kommende Kabel muß an die Buchse der Tastatureinheit angeschlossen werden. Der Stecker paßt nur in einer Richtung in die Buchse (mit der Führungsnase zur Rückseite des Instruments weisend — siehe Abbildung). Versuchen Sie nicht, den Stecker falsch herum mit Gewalt in die Buchse zu drücken! Bringen Sie dann die Kabelhalter wie abgebildet an der Rückwand an, und sichern Sie das Kabel in den Haltern.

7 Justieren Sie schließlich noch den Höhenversteller.

Zur Stabilisierung ist an der Unterseite des Pedalkastens (C) ein Höhenversteller vorgesehen. Schrauben Sie den Höhenversteller heraus, bis er fest auf dem Fußboden steht. Der Höhenversteller sorgt für stabile Pedalbetätigung und ermöglicht eine präzise Regelung des Betätigungshubs. Wenn er nicht fest auf dem Boden steht, können beim Treten der Pedale Klangverzerrungen auftreten.

Wichtiger Hinweis: Vergewissern Sie sich abschließend noch einmal davon, daß alle Schrauben fest angezogen und keine Teile übrig sind.

7

6 Connectez le cordon du pédalier

Le cordon du pédalier doit être branché aux connecteurs correspondants du clavier. La fiche ne peut être branchée que dans un sens (la languette du connecteur doit être dirigée vers l'arrière du clavier, comme représenté sur l'illustration); n'essayez donc pas de la forcer pour la brancher du mauvais côté. Une fois que le cordon est connecté, fixez les brides de cordon au panneau arrière comme illustré, puis insérez le cordon dans les brides.

7 N'oubliez pas de régler la hauteur du pédalier

Pour assurer la stabilité du pédalier (C), un dispositif de réglage a été prévu à sa partie inférieure. Tournez ce dispositif 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, une distorsion du son peut se produire.

Important: Vérifiez à nouveau que toutes les vis sont bien serrées à fond et qu'il ne reste aucune pièce.

6 Conecte el cable de pedales.

El cable de pedales procedente de la caja de pedales debe enchufarse a los conectores correspondientes de la unidad principal. La clavija sólo entra en un sentido (la lengüeta del conector debe encararse hacia la parte posterior de la unidad, como se muestra en la ilustración), por lo que no intente forzarlo estando al revés. Una vez conectado, acople las abrazaderas de cable al panel posterior como se muestra, y fije el cable en las abrazaderas.

7 Asegúrese de ajustar el ajustador.

Para la estabilidad del aparato, se proporciona un ajustador en la parte inferior de la caja de pedales (C). Gire el ajustador hasta que contacte firmemente con el suelo. El ajustador asegura una operación estable de los pedales y facilita el control del efecto de los pedales. Si el ajustador no contacta firmemente con el suelo, puede resultar en sonido distorsionado.

Importante: Compruebe una vez más para asegurarse de que todos los tornillos se han apretado bien y que no se haya olvidado de ninguna pieza.

MIDI Data Format/MIDI-Datenformat/Format des données MIDI/Formato de datos MIDI

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.

Falls Sie bereits mit MIDI vertraut sind oder einen Computer zur Erzeugung von MIDI-Steuermeldungen für die Instrumente verwenden, können Sie sich zur Steuerung des Clavinovas nach den im folgenden Abschnitt aufgeführten Spezifikationen richten.

Si vous êtes très familier avec l'interface MIDI ou si vous utilisez un ordinateur pour commander votre matériel de musique au moyen de messages MIDI générés par ordinateur, les données suivantes vous seront utiles et vous aideront à commander le Clavinova.

Si usted está ya familiarizado con MIDI, o si emplea una computadora para controlar sus aparatos musicales con mensajes MIDI generados por computadora, los datos proporcionados en esta sección le ayudarán a controlar la Clavinova.

1. NOTE ON/OFF

Data format: [9nH] -> [kk] -> [vv]

9nH = Note ON/OFF event (n = channel number)
kk = Note number (Transmit: 15 ~ 114 = D#-1 ~ F#7 /
Receive: 21 ~ 108 = A-1 ~ C7)
vv = Velocity (Key ON = 1 ~ 127. Key OFF = 0)

Data format: [8nH] -> [kk] -> [vv]

8nH = Note OFF event (n = channel number)
kk = Note number (21 ~ 108 = A-1 ~ C7)
vv = Velocity (Key OFF = 0 ~ 127)

* Note OFF event format [8nH] -> [kk] also recognized (reception only).

2. CONTROL CHANGE & MODE MESSAGES

Data format: [BnH] -> [cc] -> [vv]

BnH = Control event (n = channel number)
cc = Control number
vv = Control value

cc	CONTROL	VALUE [vv]
07H	Volume (reception only)	00000000 : -∞ 01101111 : -3dB 01111111 : ±0dB
0AH	Pan Pot (reception only)	00H ~ 17H LEFT 6 18H ~ 1FH 5 20H ~ 27H 4 28H ~ 2FH 3 30H ~ 37H 2 38H ~ 3FH 1 40H ~ 47H CENTER 48H ~ 4FH SCALING PAN 50H ~ 57H RIGHT 1 58H ~ 5FH 2 60H ~ 67H 3 68H ~ 6FH 4 70H ~ 77H 5 78H ~ 7FH 6
0BH	Expression (reception only)	00000000 : -∞ 01101111 : -3dB 01111111 : ±0dB
40H	Damper Pedal	00H ~ 7FH : eight levels
42H	Sostenuto Pedal	00H ~ 3FH : OFF 40H ~ 7FH : ON
43H	Soft Pedal	00H ~ 3FH : OFF 40H ~ 7FH : ON
5BH	Reverb Depth	00H ~ 7FH
79H	Reset AllController (reception only)	00H
7AH	Local Control ON/OFF (reception only)	00H : OFF 7FH : ON
7BH	All Notes OFF (reception only)	00H
7CH	Omni OFF/All Notes OFF (reception only)	00H
7DH	Omni ON/All Notes OFF (reception only)	00H

3. PROGRAM CHANGE

Data format: [CnH] -> [pp]

CnH = program event (n = channel number)
pp = Program number

pp	VOICE NAME
00	PIANO 1
01	PIANO 2
02	CLAVINOVA TONE
03	E. PIANO
04	HARPSICHORD
05	VIBES
06	STRINGS
07	ORGAN
08	STRINGS SLOW ATTACK (reception only)

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

(1) YAMAHA MIDI Format

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

43H : Yamaha

xn : Substatus + channel number.

ff : Format number.

x ff Information

- 2 7CH Panel Data Send occurs when this data received.
- 2 7DH Name Data Send occurs when this data received.

(2) Clavinova MIDI Format

Data format: [F0H] -> [43H] -> [73H] -> [32H] -> [yy] -> [F7H]

43H : Yamaha ID

73H : Clavinova ID

32H : CLP-133 ID

yy : Substatus

yy Information

13H Multi-timbre mode OFF.

15H Multi-timbre mode ON.

7cH All notes OFF; receive channel = c+1; omni OFF.

(3) Special Control

Data format: [F0H] -> [43H] -> [73H] -> [32H] -> [11H] -> [0nH] -> [cc] -> [vv] -> [F7H]

43H : Yamaha ID

73H : Clavinova ID

32H : CLP-133 ID

11H : Clavinova special control

0nH : Control MIDI change + channel number

cc : Control number

vv : Value

cc	Control	Value [vv]
08H	Dual Balance	00H : Left Voice Max. 7FH : Right Voice Max.
26H	Touch Sensitivity	00H : Medium 01H : Soft 02H : Hard
58H	Brilliance	00H : Normal 01H : Mellow 02H : Bright
59H	Reverb	00H : Off 01H : Room 02H : Hall-1 03H : Hall-2 04H : Cosmic
5AH	Dual Mode	00H : Dual Off 01H : Dual On (Normal) 02H : Dual On (Left voice 1 octave up) 03H : Dual On (Right voice 1 octave up)
5CH	Dual Voice	[vv] : Dual Voice

- Panel Data Contents
- (1) VOICE
- (2) DUAL VOICE
- (3) DUAL ON/OFF
- (4) DUAL BALANCE
- (5) BRILLIANCE
- (6) 0
- (7) 0
- (8) REVERB NUMBER
- (9) REVERB DEPTH
- (10) TOUCH SENSITIVITY
- (11) 0
- (12) SPLIT POINT
- (13) 0

MODEL ID CODE SEND FORMAT

F0H, 43H, 0nH, 7DH, 00H, 10H (n: channel number)
 53H, 4BH, 20H, 20H (SK)
 43H, 4CH, 50H, 31H, 32H, 33H (CLP-133)
 3xH, 3yH, 20H, 20H, 20H, 20H (x, y: version number)
 [CHECK SUM (1byte)] = 0-(53H+4BH+20H+.....+20H)
 F7H

PANEL DATA SEND FORMAT

F0H, 43H, 0nH, 7CH, 00H, 19H (n: channel number)
 53H, 4BH, 20H, 20H (SK)
 43H, 4CH, 50H, 31H, 32H, 33H (CLP-133)
 3xH, 3yH (x, y: version number)
 [PANEL DATA]
 [CHECK SUM (1byte)] = 0-(53H+4BH+20H+.....+Data end)
 F7H

Specifications/Technische Daten/Caractéristiques techniques/Especificaciones

CLP-133	
KEYBOARD	88 KEYS (A-1 ~ C7)
VOICE SELECTORS	PIANO1, PIANO2, CLAVINOVA TONE, E. PIANO, HARPSICHORD, VIBES, STRINGS, ORGAN
BRILLIANCE	MELLOW, NORMAL, BRIGHT
REVERB	ROOM, HALL 1, HALL 2, COSMIC
TOUCH SENSITIVITY	HARD, MEDIUM, SOFT
PEDAL CONTROLS	SOFT, SOSTENUTO, DAMPER
OTHER CONTROLS	MASTER VOLUME, MIDI/TRANPOSE
JACKS/CONNECTORS	HEADPHONES x 2, AUX. OUT R & L/L+R, OPTIONAL IN R/L, MIDI IN/OUT/THRU
INPUT & OUTPUT LEVEL/IMPEDANCE	AUX. OUT: 600Ω OPTIONAL IN: 22kΩ/-10 dBm (for nominal output level)
MAIN AMPLIFIERS	30W x 2
SPEAKERS	13 cm x 2, 5 cm x 2
DIMENSIONS (W x D x H)	1439.8 x 469.4 x 832.2 mm (56-3/4" x 18-1/2" x 32-3/4")
WEIGHT	59.0 kg (130.0 lbs.)

- * 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.

YAMAHA [Clavinova]
 Model CLP-133 MIDI Implementation Chart

Date : 04/29, 1992
 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	: 15-114	: 0-127	
Number : True voice	: *****	: 21-108	
Velocity Note on	: 0 9nH, v=1-127	: 0 v=1-127	
Note off	: X 9nH, v=0	: X	
After Key's	: X	: X	
Touch Ch's	: X	: X	
Pitch Bender	: X	: X	
Control			
	07 : X	: 0	: Volume
	10 : X	: 0	: Pan pot
	11 : X	: 0	: Expression
	64 : 0	: 0	: Damper
Change	66 : 0	: 0	: Sostenuto
	67 : 0	: 0	: Soft Pedal
	91 : 0	: 0	: Reverb Depth
	121 : X	: 0	: Reset All
			: Controllers
Program	: 0 0-8	: 0 0-8	
Change : True #	: *****	: 0-8	
System Exclusive	: 0	: 0	
System : Song Pos	: X	: X	
: Song Sel	: X	: X	
Common : Tune	: X	: X	
System : Clock	: X	: X	
Real Time: Commands	: X	: X	
Aux : Local ON/OFF	: X	: 0	
: 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: CIP-133

(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 MINISTRE DES COMMUNICATIONS DU CANADA.

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

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

* This applies only to products distributed by Yamaha Canada Music Ltd.
* Ceci ne s'applique qu'aux produits distribués par Yamaha Canada Musique Ltée.

Dit produkt is gefabriceerd in overeenstemming met de radiostoringsvoorschriften van de Richtlijn van de Raad (82/499/EEG).

ΛΥΤΗ Η ΣΥΣΚΕΥΗ ΑΝΤΑΠΟΚΡΙΝΕΤΑΙ ΣΤΙΣ ΑΠΑΙΤΗΣΕΙΣ ΤΩΝ ΟΔΗΓΙΩΝ ΤΗΣ ΕΥΡΩΠΑΙΚΗΣ ΟΙΚΟΝΟΜΙΚΗΣ ΚΟΙΝΟΤΗΤΑΣ 82/499/Ε.Ο.Κ..

Este produto está de acordo com o radio de interferencia frequente requeridos do Conselho Diretivo 82/499/EEC.

Dette apparat overholder det gældende EF-direktiv vedrørende radiostøj.

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

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

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

IMPORTANT SAFETY INSTRUCTIONS

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

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

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

PLEASE KEEP THIS MANUAL

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