

KORG

CONCERT-5000

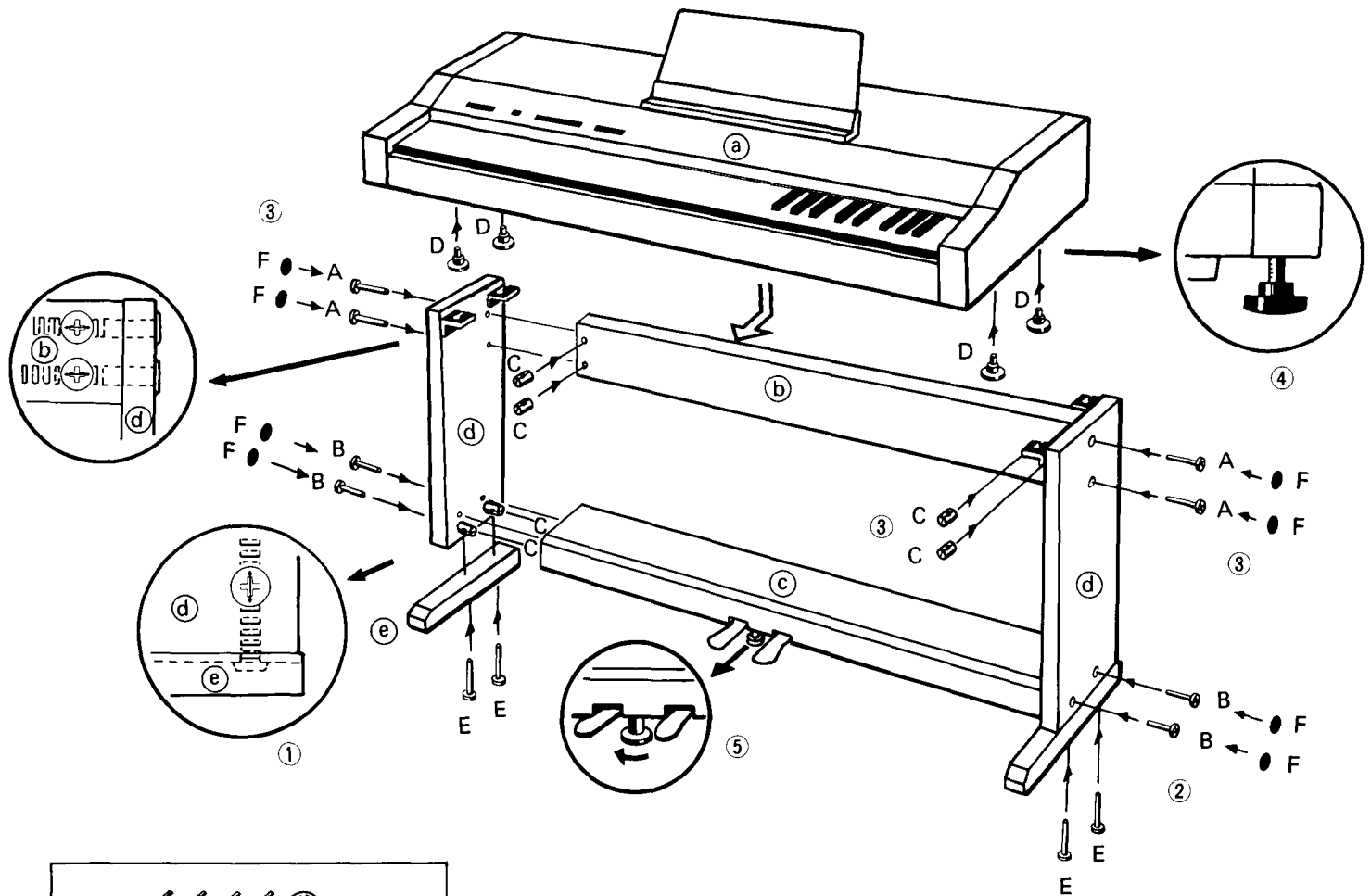
CONCERT-3500

CONCERT-2500

OWNER'S MANUAL



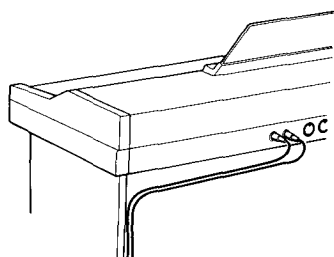
ASSEMBLING THE STAND



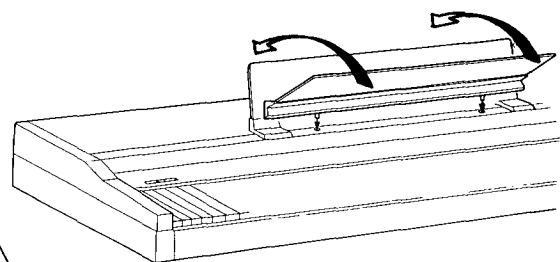
A		4
B		4
C		8
D		4
E		4
F		8

- ① Mount joint connectors C onto panels (d) and secure using screws E. When doing this, make sure that the arrow on the surface of the connectors is pointing in the direction shown in Fig. 1.
- ② Attach panel (c) to panels (d) using screws B.
- ③ Insert the joint connectors into the holes on the back of panels (b), sliding them in the direction of the surface arrow, as shown in Fig. 3, then secure with screws A.
- ④ Slide main body (a) from the rear toward the front, lining it up with the metal catches attached to the top of panels (d), then adjust the holes on the metal catches and secure using the knob bolts. (See Fig. 4.)
- ⑤ Turn the adjuster on the bottom of the pedal box pedal until it touches the floor, as shown in Fig. 5. If not adjusted properly, vibrations may result.

Secure cables using the pedal's cable holder, then insert the grey plug in the DAMPER (SUSTAIN) connector and the black plug in the SOFT/SOSTENUTO connector on the rear of the main body.



Setting Up the Music Stand



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IMPORTANT SAFETY PRECAUTIONS

■ LOCATION

Do not use this unit for extended periods of time where it is exposed to:

- direct sunlight
- extreme of temperature or humidity
- sand or dust

■ POWER SUPPLY

- Use only with rated AC voltage. If you will be using this unit in an area having a different voltage, be sure to use a proper voltage converter.
- To help prevent noise and degraded sound quality, avoid using the same outlet as other equipment or branching off extension cords shared by other equipment.

■ INTERFERENCE

This unit uses microcomputer circuitry. Like all such devices, it is subject to interference from nearby electrical devices like fluorescent lamps, appliances with motors, and so on. If operation becomes erratic or unpredictable, or if there is no response when you press a button on the unit, then interference may be the cause. If this occurs, try turning off the power, then turning it back on again. This resets (initializes) the microcomputer.

■ HANDLE GENTLY!

Don't drop this unit or use more force than necessary to operate switches and keys.

■ CLEANING EXTERIOR SURFACES

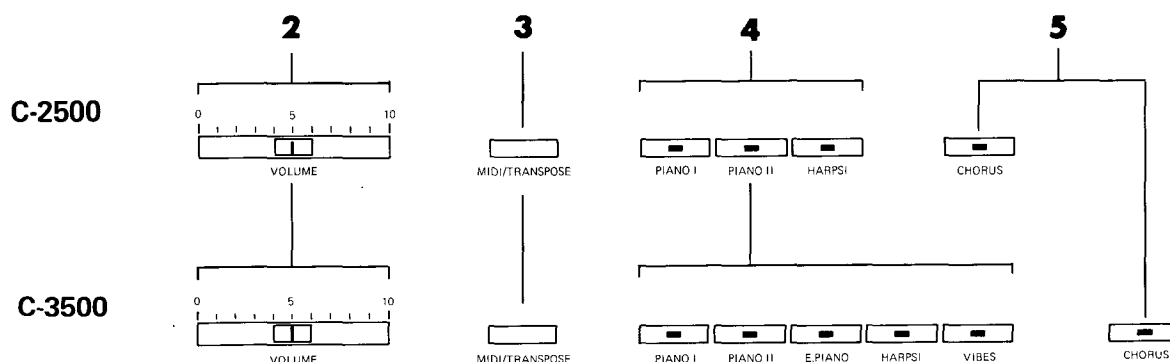
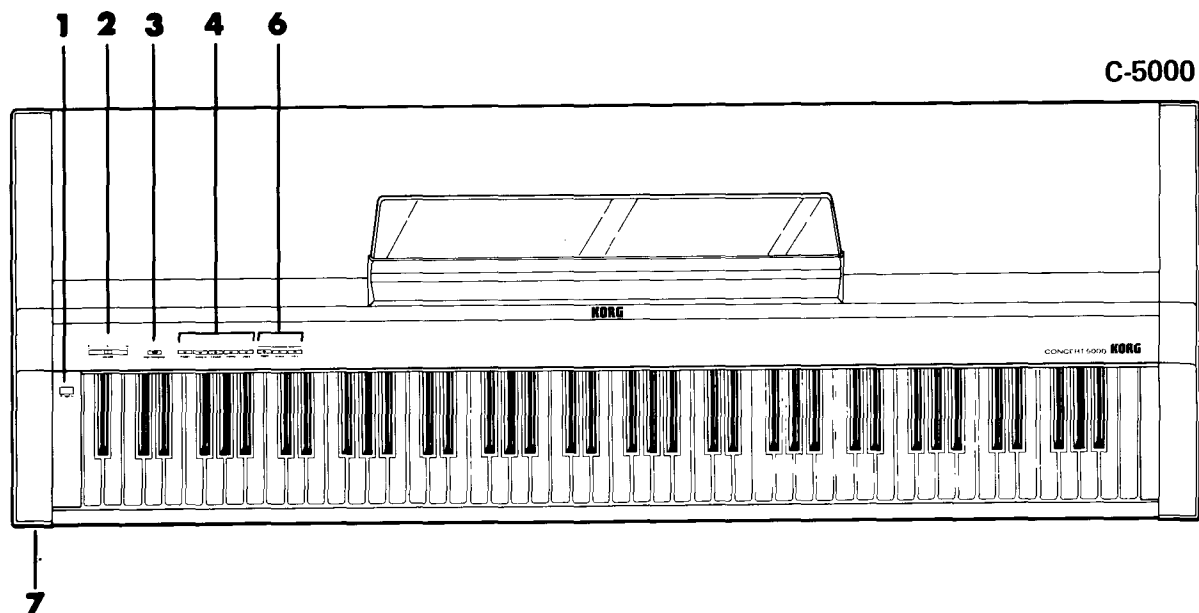
Wipe the exterior lightly with a clean, dry soft cloth to remove dust and dirt. Never use strong solvents like benzine, paint thinner, rubbing compound flammable polishing agents.

■ KEEP THIS MANUAL

Keep this manual in a safe place for future reference.

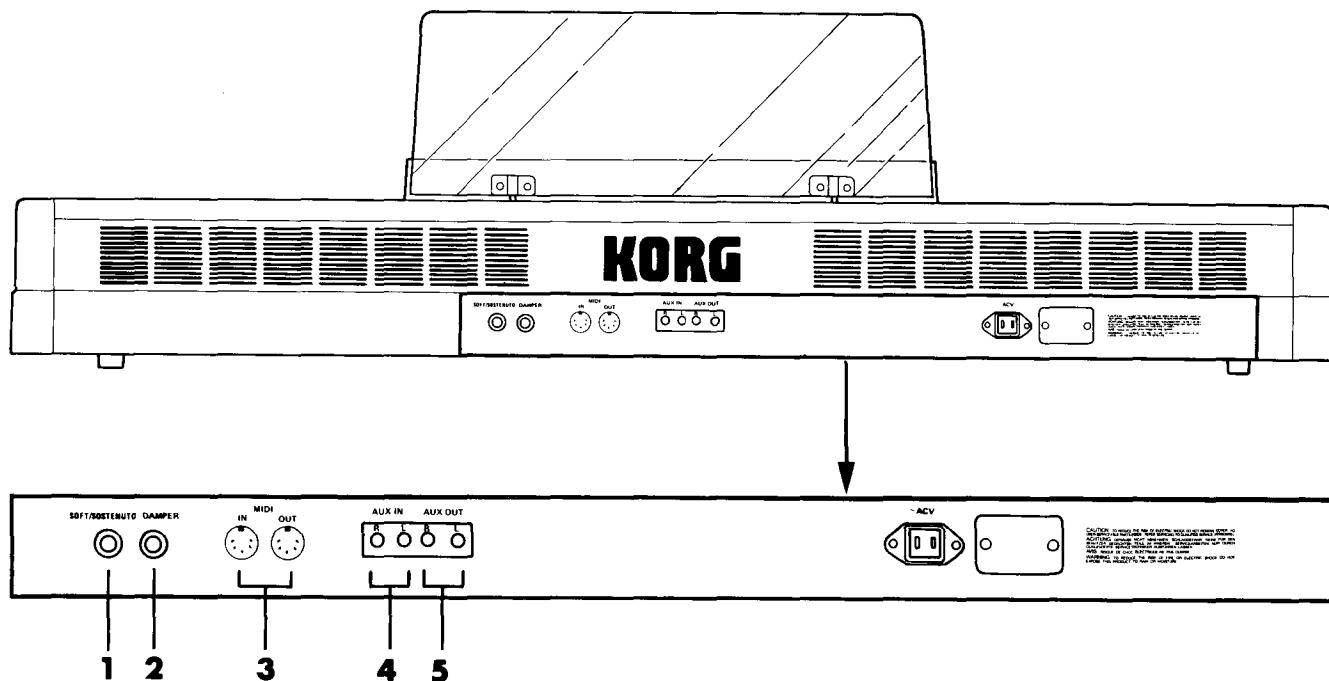
NAMES OF PARTS AND THEIR FUNCTIONS

Front Panel Controls



1. **POWER** The Piano 1 light will appear when the power switch is turned on.
2. **VOLUME** This is a sliding switch that adjusts the sound level.
3. **MIDI/TRANPOSE** This control is used when transposing. Moving it vertically allows you to transpose up to half an octave either way in halftone steps. It is also used for selecting the MIDI mode and switching between the Soft effect and Sostenuto effect on the Soft pedal.
4. **VOICE SELECTOR** This switch selects the desired voice effect.
5. **CHORUS** This switch turns on the chorus effect. Chorus provides a more full-bodied, and expanded sound. (Available on models C-2500, C-3500)
6. **SURROUND** This switch turns on the surround effect. Control is automatically set to "ROOM" when the power switch is turned on. The effect may be turned off by pressing whichever switch is lit up, lighted switch. The Surround effect lets you enjoy a reverberating, live performance type sound. (Model C-5000)
7. **HEADPHONE** This jack is used for connecting the optional headphones. Plugging in the headphones cuts off the sound from the main speakers, allowing you to enjoy sound at full volume at night. Both stereo and monaural headphones can be used with this jack. Plugging in the headphones automatically cuts off sound from the main speakers.

Rear Panel Controls

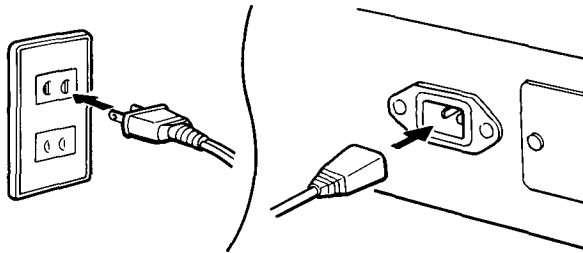


1. **SOFT/SOSTENUTO** This is for connecting a cable from a pedal on the stand, which is used like the Soft pedal in acoustic pianos. The pedal can be switched to produce the Sostenuto effect. Refer to page 5 for instructions on how this is done.
2. **DAMPER (SUSTAIN)** This is for connecting a cable from a pedal on the stand that is used like the Damper (Sustain) pedal in acoustic pianos.
3. **MIDI (In, Out)** Used for connecting instruments and devices that conform to MIDI standards, such as synthesizers and sequencers. Its function is to sending and receive music signals (data). Equipment is connected using the optional MIDI cables.
4. **AUX IN (L, R)** Connects audio output equipment, such as synthesizers and rhythm machines, for the purpose of reproducing their sound through the main speakers of the Concert Series. Adjusts sound levels from the controls on the individual music devices connected.
5. **AUX OUT (L, R)** This connector can be used for channeling sound through your home audio systems to achieve that "live" performance effect, and is connected to the AUX IN connector on your audio system. It is a feature useful for recording your own musical performances. Sound is adjusted using the master sound control knob on the main unit.

TRYING OUT THE CONCERT SERIES

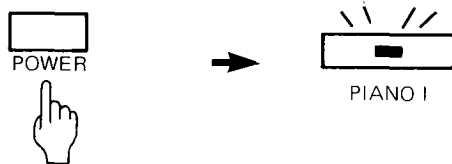
1. Plugging power supply cable into power socket

Connect one end of the accessory AC power supply cable into the receptacle on the main body's rear panel and the other into the power socket.



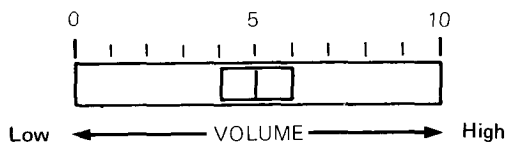
2. Turning on power supply switch

This automatically selects the Piano 1 voice. The Concert Series will be ready to produce sound three seconds after being turned on.



3. Adjusting sound levels

Adjust the sound level by sliding the volume knob. When moved left to 0, there is no sound. Sound level rises as it is moved to the right.



4. Playing in a Different Voice

Whenever you wish to change the voice, simply press the switch for the voice desired to on.

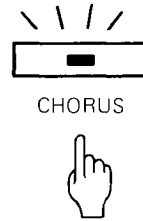
	Voice Characteristics
PIANO I	A strong, lively acoustic piano sound.
PIANO II	A bright and soft acoustic piano sound.
E. PIANO	A light, translucent electric Piano sound.
HARPSICHORD	A genuine harpsichord sound with a classical air.
VIBES	A vibraphone sound characterized by mellowness and fullness.

(Note that the C-2500 does not have the VIBES and E. PIANO voices.)

- The C-2500, C-3500 and C-5000 are sixteen tone polyphonic systems which are capable of simultaneously outputting sixteen notes.

5. Applying CHORUS effect (C-2500 and C-3500)

Start by setting the CHORUS switch to on. This effect provides a rich expanding type of sound. Select as desired to suit the type of music being played.

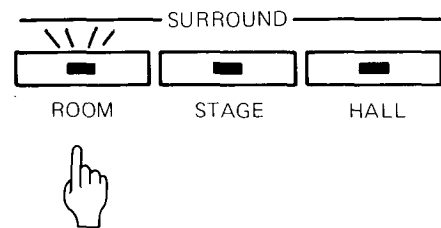


6. Applying SURROUND effect (C-5000)

The SURROUND effect provides a pleasant sound with reverberation. Enjoy a beautiful sound with a feeling of dramatic presence.

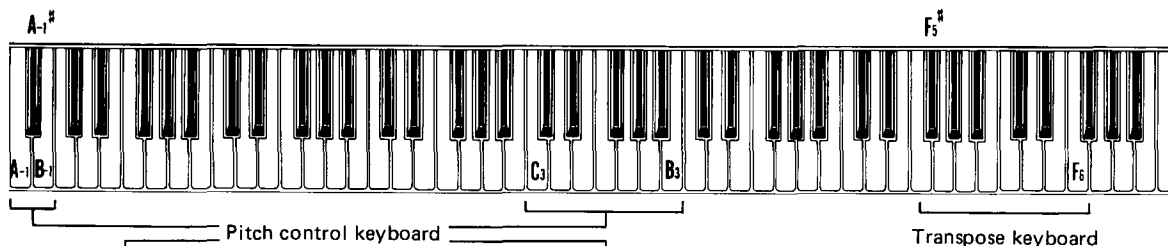
	Features of the Various Effects
ROOM	Provides the effect of performing within a "live" space.
STAGE	Provides the effect of performing in a small hall or gymnasium.
HALL	Provides the effect of dramatic presence found in a concert hall performances.

Turning the power on automatically selects the ROOM setting of the SURROUND effect. To turn off a SURROUND effect, simply press the effect switch that is currently on.

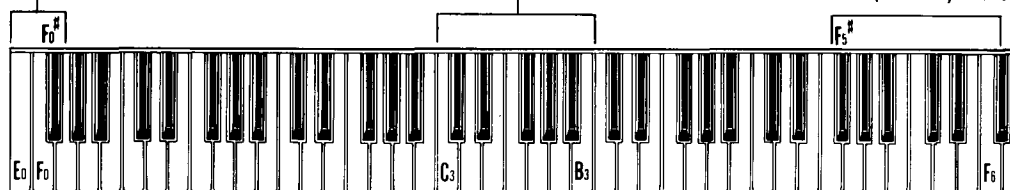


TRANPOSE AND PITCH CONTROL

C-5000, C-3500



C-2500

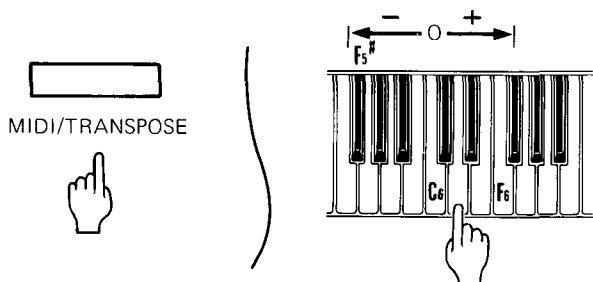


Transpose Function

The transpose function transposes the keyboard. A very convenient feature when you wish to transpose the keyboard to suit the voice range of the singer for accompaniment performances. The keyboard can be transposed either up or down scale up to half an octave.

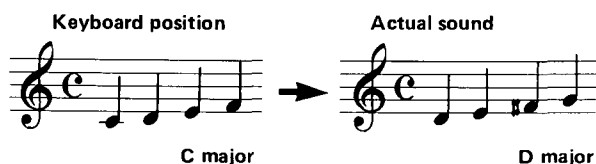
Operation: Transposing the Keyboard

The keyboard is transposed by pressing keys on the transpose keyboard while the MIDI/TRANPOSE switch is depressed. The key within the $F_5\# - F_6$ range becomes the C_6 key.



Example:

Pressing the D_6 key while the MIDI/TRANPOSE switch is depressed transposes the keyboard, as shown in the figure below.

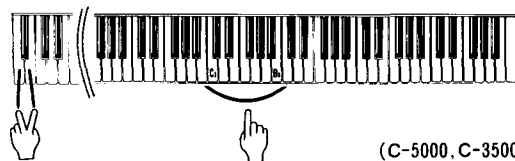


Pitch control

Pitch Control serves to fine tune pitch. It is useful when adjusting pitch to match that of other instruments when playing in ensemble. (Variable range ± 40 cent)

Operation: Raising Pitch

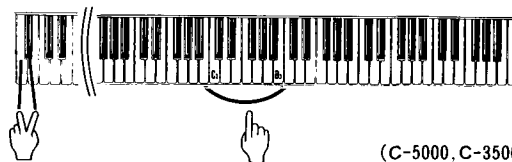
Press any one of the keys on the pitch control keyboard ($C_3 - B_3$) located at the center of the unit, while the two white keys (A-1 and B-1 for C-3500 and C-5000, E_0 and F_0 for C-2500) at the left end of the keyboard are depressed. Pressing a key once raises the pitch 1.2 cent on the C-5000 and C-3500 and 1.6 cent on the C-2500.



(C-5000, C-3500)

Operation: Lowering Pitch

Press any one of the keys on the pitch control keyboard ($C_3 - B_3$) located at the center of the unit, while the white and black keys (A-1 and B-1 for C-3500 and C-5000, E_0 and F_0 for C-2500) at the left end of the keyboard are depressed. Pressing a key once falls the pitch 1.2 cent on the C-5000 and C-3500 and 1.6 cent on the C-2500.



(C-5000, C-3500)

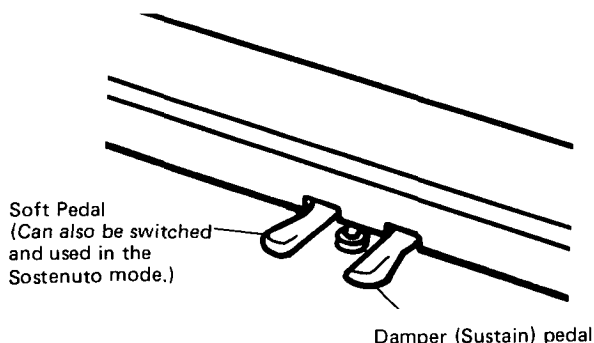
- Turning off the power switch returns the keyboard to its normal scale. ($A_3 = 440\text{Hz}$)

- Turning off the power switch once returns the keyboard to its normal scale. ($A_3 = 440\text{Hz}$)

PLAY USING THE PEDALS

Try Using the pedals

The pedals are used by connecting the separately sold pedal stand with the DAMPER (SUSTAIN) and SOFT/SUSTENUTO connectors. For connection methods, refer to the figure on the lower left side of page one.



Damper (Sustain) Effect:

While the Damper (Sustain) pedal is depressed, sound is extended, generating reverberations and providing a full, rich sound. Its function is similar to that of the Damper (Sustain) pedal on an acoustic piano.

Soft Effect:

Sound is softened while the Soft pedal is depressed. Its function is similar to that of the Soft pedal on an acoustic piano.

Sostenuto Effect:

Making the setting described below changes the Soft pedal over to the Sostenuto effect. The Sostenuto effect allows you to apply the damper (sustain) pedal effect to only the notes of the keyboard played while the Soft pedal is pressed.

Switching Between the Soft and Sostenuto Effects

The Soft and Sostenuto effects are switched back and forth each time the Soft pedal is depressed while the MIDI/TRANPOSE switch is pressed. The current status of the Soft pedal is shown by the LED indicator.

C-2500, C-3500 . . . CHORUS effect indicator
C-5000 MIDI/TRANPOSE indicator

Soft Effect → Indicator goes off.
Sostenuto Effect → Indicator comes on.

Note: Turning the power on automatically selects the Soft effect.

USING THE MIDI FEATURE

What is the MIDI FEATURE?

MIDI is an abbreviation of Musical Instrument Digital Interface, a specification that is standardized worldwide. It allows all types of electronic musical instruments to be connected on the digital signal level. This allows multiple keyboard instruments that conform to MIDI specifications to be connected for

simultaneous performance or for automatic performance through use of a sequencer. Only a very basic description of the MIDI feature is provided here, so those who are interested in more information are recommended to read the instruction manual for the sequencer.

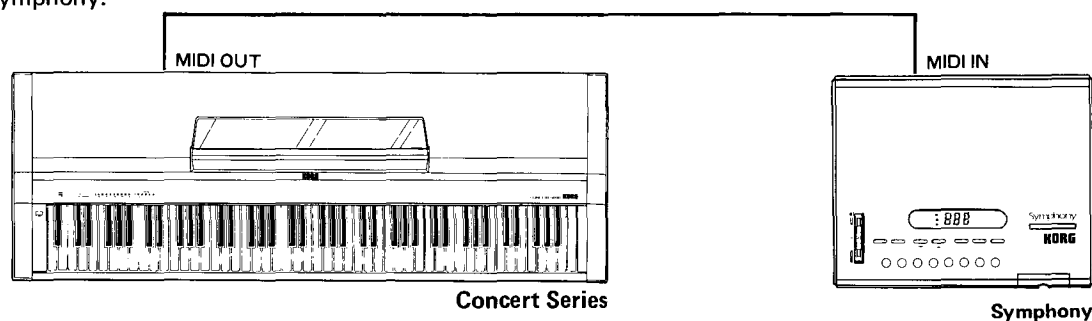
Performing Using the MIDI Feature

● Ensemble Including Concert Series and Other Keyboards

Example:

The Concert Series can be connected with the Symphony Module for ensemble performances. The two are linked by connecting one end of the MIDI cable to the MIDI Out connector on the Concert Series and the other to the MIDI in connector of the Symphony.

Selecting the strings voice on the Symphony and playing a note from the Concert Series Piano 1 produces sound simultaneously from both instruments. The effect is that of a single person being able to play a piano concerto alone.

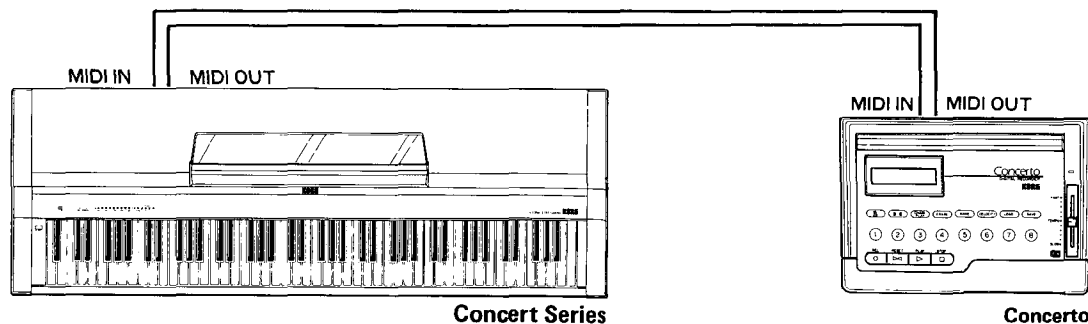


● Concert Series Automatic Performance Using Sequencer

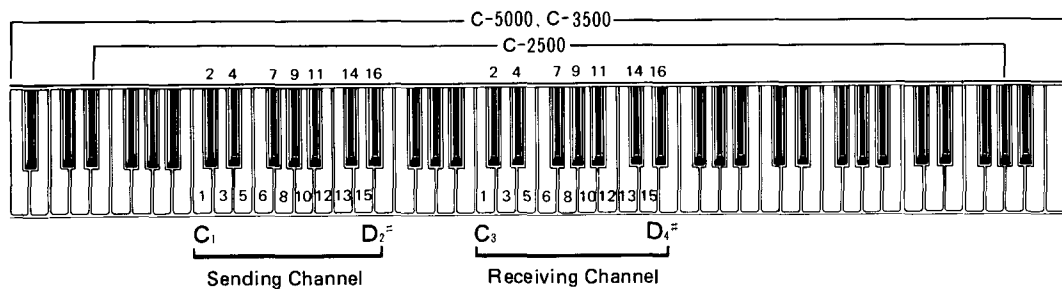
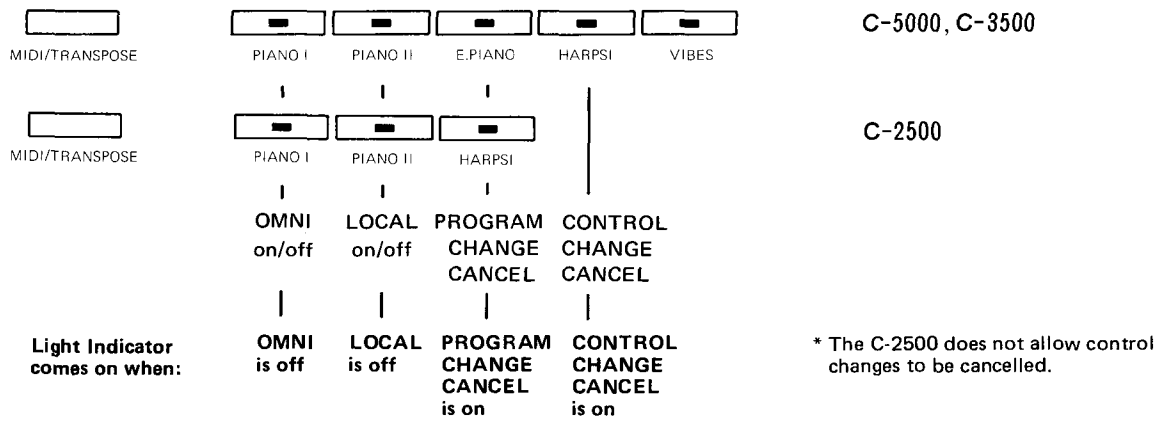
Example:

The Concert Series can be connected with the Concerto Digital Recorder for automatic performances. In this case, the two are linked by connecting two MIDI cables to the MIDI Out and In connectors on the Concert Series and the MIDI Out and In connectors of the Concerto respectively. Setting the Concerto to the Record mode and playing the Concert Series records the ensuing performance on the Concerto. Then, setting the Concerto to the Play

mode will automatically play back the recorded performance through the Concert Series. This convenient feature has various uses. For example, difficult pieces can be played slowly when recording and later played back at faster speed. Or the left hand part of pieces not yet mastered can be recorded and played back to allow you to practice the right hand part. (For further details, see the instruction manual for the Concerto.)



SELECTING THE MIDI MODE



Pressing the MIDI/TRANSPOSE switch changes the functions of the voice selector switches and keyboard to the ones shown in the figure above. This allows MIDI related modes to be selected.

1. Selecting MIDI Channel

The MIDI feature is designed so that the sending side always specifies the channel for performance data. This is so that the receiving side switches to the proper channel to receive only the desired performance data, and output the desired music. Up to sixteen channels can be selected.

Selecting Sending Channels

Channel 1 is automatically selected for the sending channel when power is turned on. Other channels can be selected by pressing the key number on the sending channel keyboard shown in the figure above, that corresponds to the desired channel number, while the MIDI/TRANSPOSE switch is pressed.

Selecting Receiving Channels

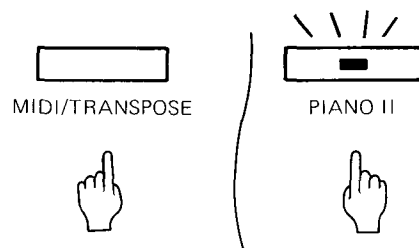
Channel 1 is automatically selected as the sending channel when power is turned on. Other channels can be selected by pressing the key number on the receiving channel keyboard, shown in the figure above, that corresponds to the desired channel number, while the MIDI/TRANSPOSE switch is pressed. However, when Omni is on, all data is received regardless of which channels are selected, so be sure to switch the OMNI mode before selecting channels.

2. Switching OMNI Mode

The OMNI mode automatically comes on when power is turned on, and all data is received regardless of which channel is selected. To enable receiving of only the desired data, the OMNI mode must first be switched off. Pressing the Piano 1 switch while the MIDI/TRANSPOSE switch is pressed alternates control between OMNI ON and OMNI OFF.

3. Selecting LOCAL Mode

Turning the power on automatically selects the LOCAL ON mode. If the LOCAL mode is switched off, pressing the keys on the Concert Series will not produce any sound from the main speakers. Only the sound of the other keyboards which are still receiving the MIDI data will be produced. Pressing the Piano 2 switch while the MIDI/TRANSPOSE switch is pressed turns the LOCAL mode on and off alternately.



SELECTING THE MIDI MODE

4. Sending a Program Change

The program change function is used for sending and receiving data used in switching voices. Whenever the voice switch is pressed, the corresponding MIDI send number shown below is sent.

C-2500		C-5000, C-3500	
PIANO I	0	PIANO I	0
PIANO II	1	PIANO II	1
HARPSI	2	E. PIANO	2
		HARPSI	3
		VIBES	4

5. Cancelling a Program Change

If send or receive of voice switching data is not desired it can be cancelled. Pressing the Program Cancel switch (E. Piano on the C-3500 and C-5000, Harpsichord on the C-2500), while the MIDI/TRANSPPOSE switch is depressed cancels voice switching data, and pressing it again reactivates the data.

6. Cancelling Control Change

If send or receive of Damper (Sustain), Soft and Sostenuto pedal control data in the C-3500 and C-5000 is not desired, it can be cancelled. Pressing the Harpsichord, while the MIDI/TRANSPPOSE switch is depressed, cancels voice switching data, and pressing it again reactivates the data.

7. Things You Can Do With the Concert Series

MIDI Feature

- * Sending and receiving of pressed (played) key data
- * Sending and receiving of voice number
- * Sending and receiving of control data for the Soft pedal, Sostenuto pedal and Damper pedal

CONCERT 2500 MIDI Implementation Chart

Function.....		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1Channel ○	1Channel ○	
Mode	Default Messages Altered	Mode 3 × *****	Mode 1 OMNI MONO/POLY ×	
Note Number :	True voice	28~103 *****	28~103 28~103	
Velocity	Note ON Note OFF	○ 90H,V=1~127 × 90H,V=0	○ V=1~127 ×	
After Touch	Key's Ch's	× ×	× ×	
Pitch Bender		×	×	
Control Change	64 66 67	○ ○ ○	○ ○ ○	Dumper (Sustain) Pedal Sostenuto Pedal Soft Pedal
Prog Change :	True #	0~2 *****	0~127 0~2	
System Exclusive		×	×	
System Common	: Song Pos : Song Sel : Tune	× × ×	× × ×	
System Real Time	: Clock : Commands	× ×	× ×	
Aux Messages	: Local ON OFF : All Notes OFF : Active Sense : Reset	× × ○ ×	○ ○ ○ ○	
Notes				

Mode 1 : OMNI ON, POLY Mode 2 : OMNI ON, MONO ○ : Yes
 Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF, MONO × : No

CONCERT 3500 MIDI Implementation Chart

Function.....		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1Channel ○	1Channel ○	
Mode	Default Messages Altered	Mode 3 × *****	Mode 1 OMNI MONO/POLY ×	
Note Number :	True voice	21~108 *****	21~108 21~108	
Velocity	Note ON Note OFF	○ 90H,V=1~127 × 90H,V=0	○ V=1~127 ×	
After Touch	Key's Ch's	× ×	× ×	
Pitch Bender		×	×	
Control Change	64 66 67	○ ○ ○	○ ○ ○	Dumper (Sustain) Pedal Sustenuto Pedal Soft Pedal
Prog Change :	True #	0~4 *****	0~127 0~4	
System Exclusive		×	×	
System Common	: Song Pos : Song Sel : Tune	× × ×	× × ×	
System Real Time	: Clock : Commands	× ×	× ×	
Aux Messages	: Local ON OFF : All Notes OFF : Active Sense : Reset	× × ○ ×	○ ○ ○ ○	
Notes				

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

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

○ : Yes
× : No

CONCERT 5000 MIDI Implementation Chart

Function.....		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1Channel ○	1Channel ○	
Mode	Default Messages Altered	Mode 3 × *****	Mode 1 OMNI MONO/POLY ×	
Note Number :	True voice	21~108 *****	21~108 21~108	
Velocity	Note ON Note OFF	○ 90H,V=1~127 × 90H,V=0	○ V=1~127 ×	
After Touch	Key's Ch's	× ×	× ×	
Pitch Bender		×	×	
Control Change	64 66 67	○ ○ ○	○ ○ ○	Dumper (Sustain) Pedal Sustenuto Pedal Soft Pedal
Prog Change :	True #	0~4 *****	0~127 0~4	
System Exclusive		×	×	
System Common	: Song Pos : Song Sel : Tune	× × ×	× × ×	
System Real Time	: Clock : Commands	× ×	× ×	
Aux Messages	: Local ON OFF : All Notes OFF : Active Sense : Reset	× × ○ ×	○ ○ ○ ○	
Notes				

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

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

○ : Yes
× : No

SPECIFICATIONS

C-3500 and C-5000

Keyboard:	88 keys (A-1 – C7), with initial touch function
Voice:	Piano 1, Piano 2, Electric Piano, Harpsichord and Vibes
Effects:	Surround (Room/Stage/Hall) on the C-5000 and Chorus on the C-3500 Also Damper (Sustain) pedal, Soft pedal and Sostenuto pedal
Controls:	POWER, VOLUME, MIDI/TRANSPOSE and PITCH CONTROL
Connectors:	HEADPHONES, AUX OUT (L, R), AUX IN (L, R), DAMPER (SUSTAIN), SOFT/SOSTENUTO, MIDI (IN, OUT)
Main Amplifier:	20W x 2
Speakers:	16cm x 2, 5 cm x 2
Power Consumption:	88W (C-5000), 78W (C-3500)
Exterior Dimensions:	1,384 x 473 x 176 (mm) Height when Attached to stand 801.5 (mm)
Weight:	C-5000; 35.0 kg C-3500; 34.0 kg
Accessories:	Music stand, AC power supply cable (L,R)

C-2500

Keyboard:	76 keys (E ₆ – G ₆), with initial touch function
Voice:	Piano 1, Piano 2 and Harpsichord
Effects:	Chorus, Damper (Sustain) pedal, Soft pedal and Sostenuto pedal
Controls:	POWER, VOLUME, MIDI/TRANSPOSE and PITCH CONTROL
Connectors:	HEADPHONES, AUX OUT (L, R), AUX IN (L, R), DAMPER (SUSTAIN), SOFT/SOSTENUTO, MIDI (IN, OUT)
Main Amplifier:	8W x 2
Speakers:	16cm x 2, 5cm x 2
Power Consumption:	38W
Exterior Dimensions:	1,218 x 473 x 176 (mm) Height when Attached to stand 801.5 (mm)
Weight:	28.0 kg
Accessories:	Music stand, AC power supply cable, Music clip (L,R)

** Design and specifications are subject to change without notice.*

OPTIONS (Separately sold accessories)

Headphones: Model KH-1000
Stand for C-3500/C-5000: Model ST-500
Stand for C-2500: ST-250
Specially Designed Chairs
Dust covers for C-3500/C-5000
Dust Covers for C-2500
MIDI Cables

NOTICE:

Korg products are manufactured under strict specifications and voltages required by each country. These products are warranted by the Korg distributor only in each country. Any Korg product not sold with a warranty card or carrying a serial number disqualifies the product sold from the manufacture's/distributor's warranty and liability. This requirement is for your own protection and safety.

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