

FC6

FOOT CONTROLLER

OWNER'S MANUAL

KORG

Congratulations and thank you for purchasing the KORG FC6 Foot Controller. To get the most out of this advanced instrument and enjoy it in its optimum condition for the longest possible time, we recommend that you read this manual thoroughly and carefully.

* Refer also to owner's manuals of the KORG products (such as the A3, etc.) being used with and controlled by the FC-6 with the special remote cable (RCC - 050, RCC - 100).

Main Features

In addition to being able to make program changes on connected MIDI effect devices and keyboards, it lets you easily control volume, pitch bend and other functions with your feet by connected volume pedals and footswitches.

It can also control various functions specific to connected instruments which have remote terminals especially designed for use with the FC - 6 (such as the A3 Performance Signal Processor) and its special remote cable.

PRECAUTIONS

ENVIRONMENT

Avoid using this unit in environments where it will be exposed to the following conditions:

- Direct sunlight
- High temperature or humidity
- Dust or sand
- Excessive vibration

POWER SUPPLY

Use this unit only with the rated AC voltage. If you intend to use this unit in areas where the voltage is different from the rated AC voltage, consult your KORG dealer about a suitable voltage transformer unit.

MIDI CABLE

Use only standard MIDI cables less than 15 meters in length.

REMOTE CABLE

Use the special KORG remote cable (RCC-050, RCC-100).

INTERFERENCE WITH OTHER APPLIANCES

This unit uses microprocessor circuitry that may cause interference with nearby radio or TV receivers. If problems occur, use at a greater distance from the radio or TV.

HANDLE GENTLY

Although this unit is designed and constructed to KORG's high standards, the use of excessive force may cause damage to its switches.

CLEANING

Use only a soft, dry cloth to clean the exterior of this unit. Never use benzene, volatile cleaners or solvents, polish or cleaning compounds.

WARRANTY PROCEDURE

The product warranty ensures that all repairs conducted within one year from the day of purchase are free of charge, but if the necessary steps were not taken in filling out the warranty card at the time of purchase, portions or all of the warranty may be invalid. Make certain to fill out the warranty card completely at the store where the instrument was purchased and keep the card in a safe place.

OWNER'S MANUAL

The FC6 is a sophisticated digital controller with many functions. Therefore, we suggest that you keep this manual handy at all times, for reference.

NOTE: Do not operate the FC - 6 and connected external instruments with the remote cable and MIDI cable both connected at the same time.

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OPERATING INSTRUCTIONS

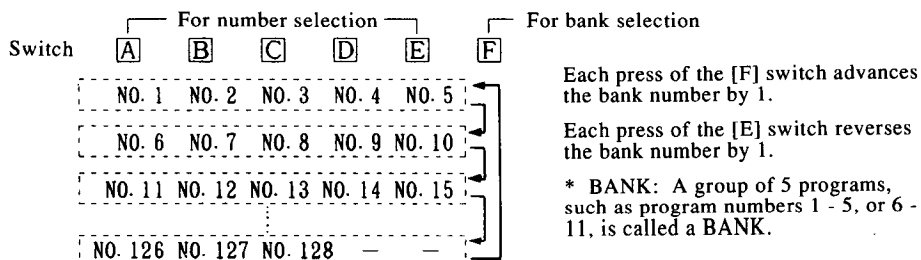
[1] Setting the Mode

The FC6 controls MIDI data in two ways, selectable by Mode 1 or Mode 2. (The mode switch is located on the rear panel of the FC6.) Select the mode you find most convenient or appropriate for your own purposes.

MODE/SW	A	B	C	D	E	F
MODE 1	The first number in the bank	The second number in the bank	The third number in the bank	The fourth number in the bank	The fifth number in the bank	Bank advance
MODE 2	Present number minus 10	Present number plus 10	Present number minus 1	Present number plus 1	Sostenuto ON/OFF	Soft pedal ON/OFF

MODE 1: Making Program Changes by Switching Between Banks

* The following program change messages are output by the operation of foot switches A - F and the values are indicated in the LEDs.



MODE 2: Making Program Changes by Program Up/Down Control

* The program numbers are changed by the A - F switches of the FC6 according to the assignment shown in the chart above, at the beginning of this section.

[2] Connection of External Switches, External Foot Pedal

The following functions can be controlled by SW 1/2 (when connected to footswitches such as the KORG PS-1, PS-2 etc.), and PEDAL 1/2 (when connected to the KORG KVP-001 volume pedal).

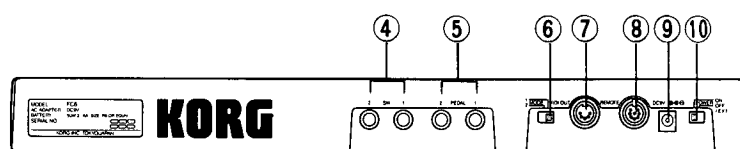
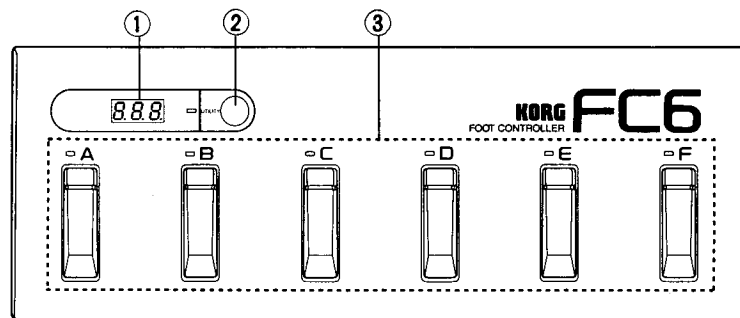
MODE/SW	SW 1	SW 2	PEDAL 1	PEDAL 2
MODE 1	Portamento	Damper	Main volume	Pitch bend
MODE 2	ON/OFF	ON/OFF		(positive direction)

(Operation is the same for both Mode 1 and Mode 2.)

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Names and Functions of Controls and Terminals

- | | |
|-------------------------|--|
| (1) LED display | Indicates the program number, etc. |
| (2) UTILITY switch | Sets MIDI channel. |
| (3) Foot switches A - F | Selects program number, etc. |
| (4) SW 1/2 terminal | For connection to a footswitch such as the KORG PS-1. |
| (5) PEDAL 1/2 terminal | For connection to the OUT 1/2 terminals of the KORG volume pedal KVP-001. |
| (6) MODE 1/2 switch | For changing the operation modes of the FC6. |
| (7) MIDI OUT terminal | For connection by MIDI cable to the MIDI IN terminal of other MIDI instruments and devices. |
| (8) REMOTE terminal | For connection by special remote cable to the remote terminal of instruments which are compatible with the FC-6 (such as KORG A3). |
| (9) DC 9V terminal | For connection to the AC adaptor. |
| (10) Power switch | |



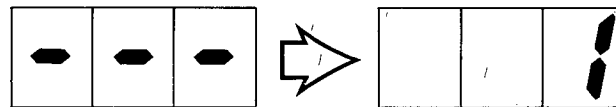
Setting Up:

(1) Insert batteries or connect the AC adaptor (KA -301). When both are set, power is supplied from the AC adaptor.

(2) Connect the MIDI OUT terminal of the FC6 with the MIDI IN terminal of MIDI device to be controlled by MIDI cable.

NOTE: Do NOT connect the MIDI cable to the remote terminal. It may damage the terminal and cause later problems.

(3) Turn on the power. Make certain that you turn on the connected instrument AFTER turning on the FC6. The LED display shown below will appear:



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[3] Setting the MIDI Channel

The MIDI channel of the FC6 is automatically set to channel 1 when the power is turned on.

(1) "C1" (Channel 1) is indicated in the LED display when the UTILITY switch is pressed.

(2) Change channels by pressing the foot switches A - F. The number selection (and the operation of the current mode) is the same as when selecting program numbers.

(3) Press the UTILITY switch again to return to normal operation.

[4] Installing Batteries

Six C-size batteries are provided with this instrument. Install the batteries according to the following instructions.

(1) Turn off the power.

(2) Take off the battery cover at the bottom of the instrument. Remove the screw holding the battery cover in place with a screwdriver or a coin.

(3) Take out the battery holder. Be careful not to damage the cord of the battery snap.

(4) Insert the six batteries, checking that the positive and negative terminals match the indications on the battery holder.

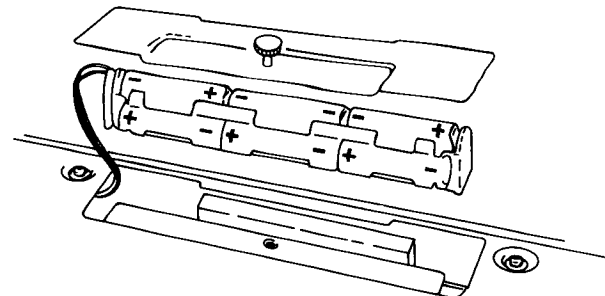
(5) Securely connect the battery snap to the terminal of battery holder.

(6) Replace the battery holder and battery cover.

* When battery power is low, the internal indicator flashes. Replace the batteries when it flashes.

* Connect the battery snap to the terminal of the battery holder even when using the AC adaptor. The terminal of the battery holder might touch the internal plate or other metal parts and may interfere with normal operation.

* Do not connect any other object, except the battery holder of this instrument, to the battery snap.



Specifications

Display: Numeric indicator x 3; A, B, C, D, E, F (2 colors for each), UTILITY
Connecting terminals: MIDI OUT, REMOTE, DC9VIN, SW1/2, PEDAL1/2
Power: 6x1.5 VC-size batteries, or AC adaptor (Power supply is not necessary when the remote cable is connected.)
Battery life: Approximately 10 hours (continuous use)
Dimensions (W x D x H): 440 mm x 160 mm x 43 mm (17-5/16" x 6-5/16" x 1-11/16")
Weight: 1.4 kg (3 lbs. 1 oz.) (including batteries)
Included accessories: 6x1.5 V C-size batteries, remote cable RCC-050 (5 m)
Optional accessories: AC adaptor KAC - 301, remote cable RCC-100 (10 m)

Specifications are subject to change without notice.

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Function ...	Transmitted	Recognized	Remarks
Basic Default Channel Changed	1 1 - 16	× ×	*2
Mode Default Messages Altered	× × *****	× ×	
Note Number : True voice	× *****	× ×	
Velocity Note ON Note OFF	× ×	× ×	*1
After Touch Key's Ch's	× ×	× ×	
Pitch Bender	○	×	Pitch Up only
Control Change	7 ○ 64 ○ 65 ○ 66 ○ 67 ○	× × × × ×	Volume *1 Damper *1, *2 Portamento *1, *2 Sostenuto *2 Soft *2
Prog Change : True #	0 - 127 *****	×	0-99 when remote is connected
System Exclusive	○	×	Only when remote is connected
System : Song Pos : Song Sel Common : Tune	× × ×	× × ×	
System : Clock Real Time : Command	× ×	× ×	
Aux : Local ON/OFF : All Notes OFF Mes- : Active Sense Sages : Reset	× × × ×	× × × ×	
<p>Notes</p> <p>*1 By expansion pedal</p> <p>*2 Possible except when operating by connection of remote jack</p>			

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

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

○ : Yes
× : No

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