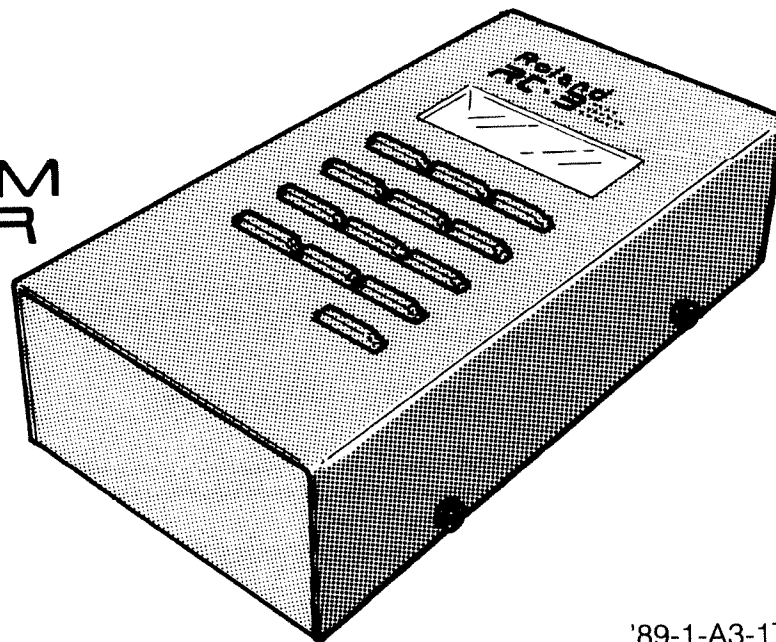


# Roland

# RC-3

MIDI  
PROGRAM  
CHANGER

## Instructions



Thank you for purchasing the Roland MIDI Program Changer RC-3. The RC-3 is a remote controller that can change MIDI Program Change messages on MIDI effect units. To make the best use of the RC-3, read this book carefully.

'89-1-A3-1T

### Bescheinigung des Herstellers /Importeurs

Hiermit wird bescheinigt, daß der/die/das

RC-3 MIDI PROGRAM CHANGER

(Gerat, Typ Bezeichnung)

in Übereinstimmung mit den Bestimmungen der

Amtsbl. Vfg 1046 / 1984

(Amtsblattverfugung)

funk-entstört ist.

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

Roland Corporation Osaka / Japan

Name des Herstellers/Importeurs

### RADIO AND TELEVISION INTERFERENCE

**Warning** - This equipment has been verified to comply with the limits for a Class B computing device, pursuant to Subpart J, of Part 15, of FCC rules. Operation with non-certified or non-verified equipment is likely to result in interference to radio and TV reception.

The equipment described in this manual generates and uses radio-frequency energy. If it is not installed and used properly, that is, in strict accordance with our instructions, it may cause interference with radio and television reception.

This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J, of Part 15, of FCC Rules. These rules are designed to provide reasonable protection against such a interference in a residential installation.

However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by the following measure:

- Disconnect other devices and their input/output cables one at a time. If the interference stops, it is caused by either the other device or its I/O cable.

These devices usually require Roland designated shielded I/O cables. For Roland devices, you can obtain the proper shielded cable from your dealer. For non Roland devices, contact the manufacturer or dealer for assistance.

If your equipment does cause interference to radio or television reception, you can try to correct the interference by using one or more of the following measures:

- Turn the TV or radio antenna until the interferences stops.
- Move the equipment to one side or the other of the TV or radio.
- Move the equipment farther away from the TV or radio.
- Plug the equipment into an outlet that is on a different circuit than the TV or radio. (That is, make certain the equipment and the radio or television set are on circuits controlled by different circuit breakers or fuses.)
- Consider installing a rooftop television antenna with coaxial cable lead-in between the antenna and TV.

If necessary, you should consult your dealer or an experienced radio/television technician for additional suggestions. You may find helpful the following booklet prepared by the Federal Communications Commission:

"How to Identify and Resolve Radio-TV Interference Problems"

This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

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## Important Notes

- Avoid using this device in conditions of excessive heat or humidity, or where it may be affected by direct sunlight or dust and avoid places subject to strong vibrations.
- Operating the unit near a neon light, fluorescent lamp, TV or CRT Display may cause noise interference. If so, change the angle or the position of the unit.
- Operating this unit near a TV or radio may cause picture or noise interference. If this happens, move the unit away from these instruments.
- Use a soft, dry cloth for routine cleaning. To remove fingerprints or dulling deposits, use a soft cloth slightly dampened with water and a little neutral detergent, immediately wipe dry with a soft cloth. Do not use solvents such as paint thinners.
- Do not allow fluid or foreign matter, such as water, beverages, coins and wires, to enter this unit.
- Do not examine or modify the internal components or circuitry. Electrical shocks or damage may result.
- Do not subject this unit to strong shocks, or move it while the power is on.
- If this unit fails to operate correctly, turn it off immediately and contact your Roland dealer.

## PANEL DESCRIPTION

### ① MIDI OUT Socket

Connect a MIDI device to control to this socket.

### ② AC Adaptor Socket

Connect an optional AC adaptor(BOSS ACA Series) to this socket.

### ③ Power Switch

### ④ Display Window

### ⑤ Numerical Key Pad

Use this to enter a MIDI channel number or Program Change number.

### ⑥ CLEAR

This erases the entered value for a new value.

- In the Program Change
- In the MIDI Channel Mode

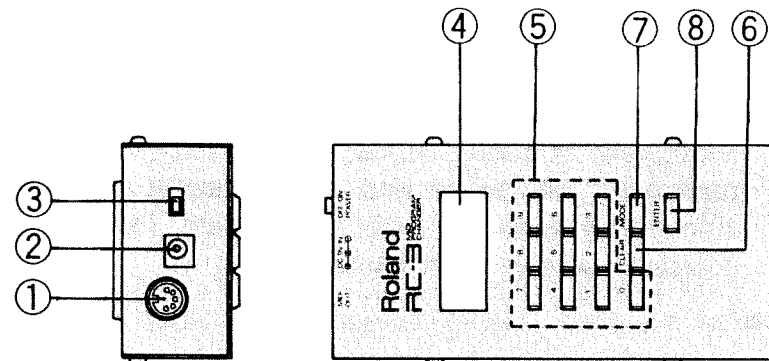


### ⑦ MODE

This switches MIDI Channel mode and Program Change mode.

### ⑧ ENTER

This sets a MIDI channel, set or send a Program Change number.



## POWER SUPPLY

This unit can operate by battery(with a 006P or 9V dry cell battery) or on mains(with the optional AC adaptor).

**[BATTERY]** Use one 006P(9V) dry cell battery.

### HOW TO CONNECT A BATTERY

Remove the cover of the battery case located at the bottom of the unit, then connect a battery to the battery snap in correct polarity.

\*When the unit is not to be used for a long period of time, remove the battery to prevent problems caused by battery leakage.

\*A battery will last for about 100 hours.(When a BOSS battery is being used.)



\*If the battery voltage drops, the display window will respond as shown below. If this happens, replace the battery immediately..

### [AC ADAPTOR]

Be sure to use an optional BOSS AC adaptor, ACA-120, 220 or 240 depending on the line voltage system in your country.

### HOW TO CONNECT THE AC ADAPTOR

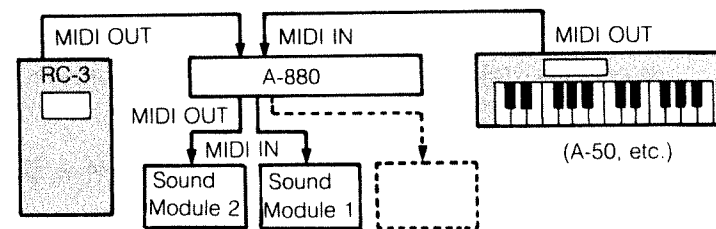
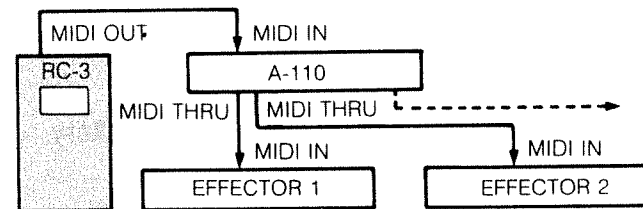
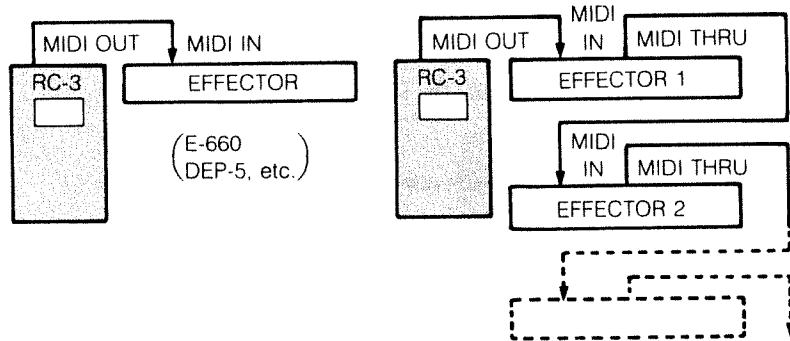
Connect the optional AC adaptor to the AC Adaptor socket(9V) on the rear of the RC-3.



\*You can keep the battery securely connected even while using an AC adaptor, then the unit will continue to operate even if the AC adaptor cord comes out during performance.

# CONNECTIONS

Connect the MIDI OUT socket on the RC-3 to the MIDI IN socket on the MIDI device to be controlled using a MIDI cable. To control more than one MIDI device, make connections via MIDI THRU socket on each device. To connect more than three units, however, you must use a THRU BOX such as the MPU-105.



Transmits Program Change to the A-880, changing the Memories.

## ABOUT MODE

The RC-3 has two Modes.

### MIDI Channel Mode

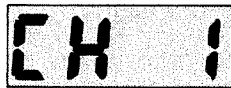
This mode sets the MIDI channel of the relevant MIDI device.

### Program Change Mode

This mode allows you to enter and transmit a Program Change number.

### [1] Setting a MIDI Channel

STEP 1 Press **MODE** to switch to the MIDI Channel Mode.

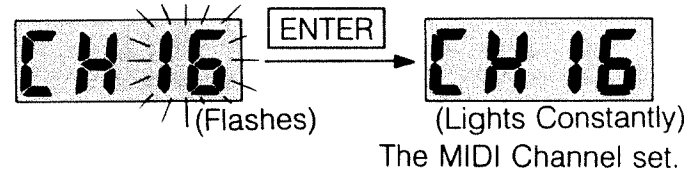


STEP 2 Enter a number using the Numerical Key Pad.

-The entered number flashes.-

STEP 3 Press **ENTER** to set the MIDI channel number.

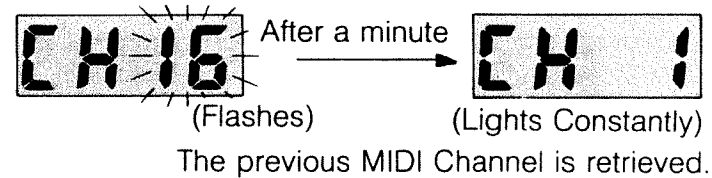
-The number stops flashing, and the MIDI channel is set.-



\* Any number that exceeds the range of 1 to 16 cannot be set for a MIDI channel.

\* If you enter a wrong value, erase it with **CLEAR**.

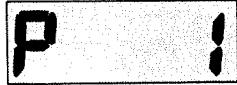
\* If you do not press any key for more than a minute with a number entered (with the number flashing), the original MIDI channel will be automatically set.



\* MIDI channel 1 is selected at power up.

## [2] TRANSMITTING PROGRAM CHANGE

STEP 1 Press **MODE** to switch to the Program Change mode.

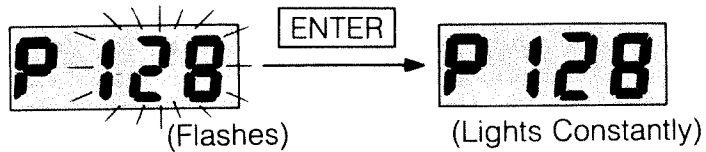


STEP 2 Enter a Program number using the Numerical Key Pad.

-The entered number flashes.-

STEP 3 Press **ENTER** to transmit the Program Change number.

-The number stops flashing.-

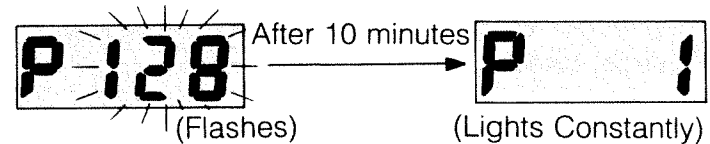


Program Change is transmitted

\* Any number that exceeds the range of 1 to 128 cannot be entered.

\* If you enter a wrong number, press **CLEAR** to erase it.

\* If you do not press any key for more than 10 minutes with a Program number entered (with the number flashing), the original Program number is automatically set and the number stops flashing.



The previous Program Number is retrieved.

\* If you press **ENTER** without a Program number flashing, the current Program Change is transmitted again.



## SPECIFICATIONS

Switches : Power ON/OFF  
 Buttons : Numerical Key Pads, CLEAR,  
           MODE, ENTER  
 Display : Liquid Crystal Display(LCD)  
 Sockets : MIDI OUT, AC Adaptor  
 Power : 9V DC/006P  
 Consumption : 10mA  
 Dimensions : 83(W) × 173(H) × 46(D)mm  
               3¼" × 6⅞<sub>13</sub>" × 1⅞"  
 Weight : 575g  
           1lb 4oz  
 Accessories : Instructions  
               Battery(006P/9V) × 1  
 Options : AC Adaptor  
           (ACA-120, 220 or 240)  
           MIDI Cable  
           MSC-07/15/25/50/100

\* Specifications are subject to change without notice.

### \*\*\* RC-3 MIDI IMPLEMENTATION \*\*\*

version 1.00  
 Nov. 09 1988

#### 1. TRANSMITTED DATA

Status	Second	Description
1100 nnnn	0ppp pppp	Program Change ppppppp = 0-127

nnnn: N-1, where N = Channel #

**For Canada**

**CLASS B NOTICE**

This digital apparatus does not exceed the Class B limits for radio noise emissions set out in the Radio Interference Regulations of the Canadian Department of Communications.

**CLASSE B AVIS**

Cet appareil numérique ne dépasse pas les limites de la classe B au niveau des émissions de bruits radio-électriques fixés dans le Règlement des signaux parasites par le ministère canadien des Communications.

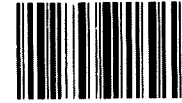


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