

marantz®

Model
RC1400
User Guide

Learning
Remote Control

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MAIN FEATURES

- Integrated Control of 12 Devices

With this single remote control, you can control up to 12 types of devices, including your DVD, television, video recorder, amplifier, and other audio-visual (AV) equipment. You can also change the display title of the source to your own customized text.

- Wide Range of Preset Codes

This remote control is provided with remote control signals for Marantz products and AV equipment by major manufacturers. You can enable the remote control operation of your AV equipment by simply selecting the manufacturer code corresponding to your equipment.

In the factory default setting, the remote control is preset for signals for Marantz AV equipment products. If you are using Marantz products, you can perform remote control without any additional settings.

- Learning Function

If you have an infrared-based remote control, you can use a simple operation to enable this remote control to learn its codes. This remote control uses non-volatile memory so that the learned codes are retained even if the batteries are removed.

- Lighting Function

This remote control features a backlight with electroluminescence (EL) to light up the LCD and buttons so that it can be used in a darkened location such as a home theater.

- Large, Easy-to-Read Display

The dot matrix LCD displays crisp, clear text. The currently selected source is always displayed on the LCD so that operations can be performed quickly.

- Direct Buttons

While viewing the LCD, indicators corresponding to the operation buttons are shown in a completely intuitive manner. There are four pages of commands, and you can switch between these pages for access to up to 20 types of operations for each device.

- Macro Function

The remote control can be programmed with complex strings of multiple commands to allow successive control of equipment with simple button operations. You can also set the interval time (transmission interval) between operations.

- Name Assignment Function

You can change the names shown on the LCD.

- Cloning Function

This remote control features a cloning system. This enables you to clone the programmed information from one RC1400 to another, by simply pushing a series of buttons. You can select whether to copy all programmed information or copy the information for each source.

- Display Contrast Adjustment Function

The contrast on the display can be adjusted.

- Clock Indicator and Macro Timer Function

The remote control's internal clock function can be used to set the timer so that the macro program can automatically turn equipment on and off or perform other operations.

NAMES OF PARTS & FUNCTIONS

Button Names and Functions

① Infrared Transmitter and Learning Sensor

This transmitter emits infrared light. Press the buttons while pointing the transmitter towards the infrared receiver window of the amplifier or other AV equipment. Be sure to also point towards other remote controls when using the learning function.

② POWER ON and OFF buttons

These buttons are used to turn on and off the amplifier or receiver or turn on and off the power of source component which has its own on and off buttons.

③ SOURCE ON/OFF button

This button is used to turn a specific source (such as a DVD player) on or off independently from the rest of the system.

④ M (Mode) button

This button is used to program Macros. Pressing this button switches between Normal mode and Macro mode.

The > button ⑥ is used to move to the next page. Up to 20 programs (4 pages) can be performed. Holding down the M button for three seconds or more switches to the Setup mode, where the Setup menu is shown on the LCD. The Setup menu has four pages, and the > button ⑥ is used to move to the next page. Pressing the > button ⑥ from page 4 returns you to page 1.

⑤ D1 to D5 (Direct) buttons

Five types of direct operations can be performed for each of the 12 source buttons such as the DVD, television, amplifier, and other AV equipment. The pages can be switched, so 4 pages x 5 types = 20 operations can be performed for a single source. The text display can also be changed.

⑥ > (Page) button

This button is used to switch pages for the Direct button. The current page is shown on the LCD.

⑦ VOL (Volume) button

This button is used to adjust the volume for the amplifier and television.

⑧ MUTE button

This button is used to mute the audio for the amplifier and television.

⑨ GUIDE button

This button is used to display the menus for the DVD player, DSS (satellite broadcasting tuner), or other AV equipment.

⑩ EXIT button

This button is used to cancel settings in the menu or program.

⑪ Numeric buttons

These buttons are used to switch between 0 to 9 of the source components. If the source is set to the amplifier, these buttons are used to perform operations corresponding to those shown on the text plate.

⑫ MEMO button

This button is used to store settings to memory or program a source.

⑬ CONTROL button

These buttons are used when operating the PLAY, STOP, PAUSE, and other commands of a source.

⑭ SOURCE button

These buttons are used to switch the source of your A/V Receiver / amplifier. Each time a source button is pressed, the remote control changes to the source which was pressed.

This remote control can control 12 types of equipment. To change the A/V Receiver / amplifier source, press this button twice within two seconds. The signal is sent when it is pressed the second time.

⑮ LIGHT 1 and 2 buttons

Pressing these buttons will light up the LCD and its buttons. This lighting time can be set. If the lighting time is set to 0 seconds, the backlight turns on only while this button is pressed. The operations for LIGHT 1 and 2 are identical.

⑯ CLEAR button

This button is used to erase the memory or program of a source.

⑰ MENU button

This button is used to display the OSD menu of an amplifier or other source.

⑱ PREV (Previous) button

This button is used to return to the previous channel on the television or other device.

⑪ CH (Channel) button

This is used to change channels.

⑫ CURSOR buttons

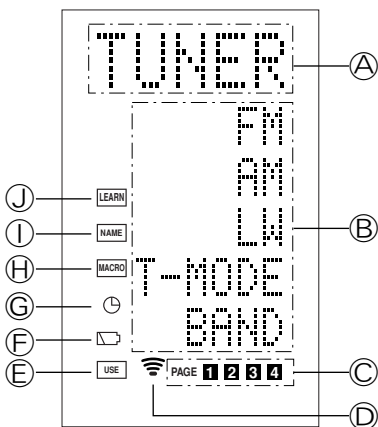
These buttons are used when controlling the cursor of the amplifier, DVD, or other AV equipment.

⑬ LCD

Information about the sources and modes are shown on the LCD.

LCD Indicators

Information about currently selected source and direct code names are displayed on the LCD.



Ⓐ Source Name indicator

This displays the name of the selected source, such as DVD, television, or other AV equipment (up to five characters).

Ⓑ Direct Button Name indicator

This displays up to 20 types of button names for each source. (up to six characters)

Ⓒ Page indicator

This displays the current page position.

Ⓓ Transmission indicator

This lights up when the remote control is sending a signal.

Ⓔ USE indicator

This is displayed under normal operation.

Ⓕ Battery Level indicator

This is displayed when the battery level is low.

Ⓖ TIMER indicator

This is displayed when the macro timer is set.

Ⓗ MACRO indicator

This is displayed when the remote control is in macro programming mode.

Ⓘ NAME indicator

This is displayed when the remote control is in renaming mode.

㊦ **LEARN indicator**

This is displayed when the remote control is in learning mode.

Display and Functions in Setup Mode

Holding down the M button for three seconds or more enables you to make various settings. Use the ➤ button ⑥ to switch between pages.

PAGE 1 MENU

Preset code settings, code learning, renaming, macro programs, and code erasing are performed from this menu.

D1 PRESET:

This is used for setting AV equipment by various manufacturers. This is also used when selecting Marantz TV and DVD codes.

D2 LEARN:

This is used when learning codes from other remote controls.

D3 NAME:

This is used when changing the text displayed on the LCD.

D4 MACRO:

This is used when programming macros and revising programs.

D5 ERASE:

This is used when erasing learned remote control codes, rewritten names, or other settings. After erasing, the settings return to the factory defaults.

PAGE2 SETUP

Backlight lighting time setting, macro interval time, LCD contrast and time setting are performed from this menu

D1 LIGHT:

This is used to change the LCD and button backlight lighting time. It can be set from 0 to 60 seconds and is set using the cursor button.

D2 I-TIME:

This is used when setting the transmission interval (interval time) for macro programs. It can be set from 0.5 to 5 seconds and is set using the cursor buttons.

D3 CONT:

This is used to change the contrast of the LCD. It can be adjusted to one of 10 levels and is set using the cursor buttons.

D4 CLOCK:

This is used to set the current time.

PAGE3 TIMER

The macro timer setting is performed from this menu.

D1 DAILY?:

This is for using the timer function to execute a macro. Use DAILY when a program will be executed at the same time each day.

D2 ONCE?:

This is for using the timer function to execute a macro. Use ONCE when a program will be executed only once.

D5 CANCEL:

This is for using the setting time to cancel.

PAGE4 CLONE

The Clone mode settings are made from this menu.

D1 RX:

This is used on the receiving unit (slave) when copying all of the programmed information from another RC1400 remote control.

D2 RX-S:

This is used on the receiving unit (slave) when copying the programmed information for selected source from another RC1400 remote control.

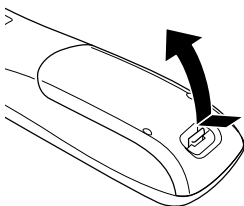
D3 TX:

This is used on the sending unit (master) when copying information to another RC1400 remote control.

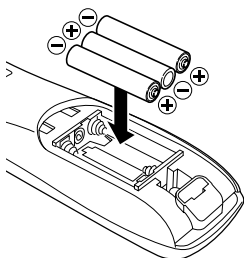
Loading Batteries

Insert the three supplied batteries (AAA type) as shown in the figure below. Load the batteries with the polarity in the correct direction (plus + and minus - ends).

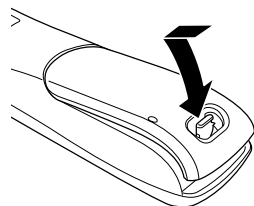
- 1 Remove the back cover.



- 2 Insert the new batteries (AAA type) with correct \oplus and \ominus polarity.



- 3 Close until it clicks.



Note:

Do not use old batteries and new batteries together. This can result in corrosion or leakage of battery fluid.

The supplied manganese batteries are for checking operation. Usage of alkaline batteries is recommended.

When discarding batteries, be sure to follow the local regulations for your area. Do not put batteries in a fire.

Battery Replacement Interval

Under normal usage, alkaline batteries last approximately four months. When the batteries wear out, a battery mark is displayed on the LCD. Although the remote control can still be used when the battery mark is displayed, the batteries should be replaced as soon as possible. The LCD eventually starts to flash when buttons are pressed, the remote control will be unable to transmit signals or learn codes.

- This remote control uses non-volatile memory so that the learned codes and macro programs are retained even if the batteries are removed.

Reset the clock after replacing the batteries.

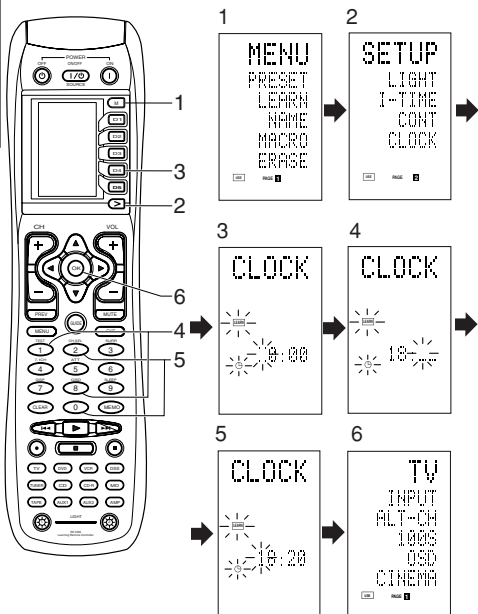
Safety Precautions for Batteries

Be sure to always observe the following precautions to prevent fluid leakage, overheating, fire, breakage, accidental ingestion, and other accidents.

- If the batteries are left unused for a long period of time, the battery fluid may leak or the batteries may corrode.
- Do not use the batteries in the remote control with the plus and minus polarity reversed.
- Do not attempt to recharge, heat, or disassemble the batteries. Do not put the batteries in a fire.
- Do not use the remote control with old batteries or worn-out batteries inserted.
- Do not use different types of batteries or mix old and new batteries in the remote control.
- If the remote control is not operating properly, replace the batteries with new ones.
- If any of the batteries are leaking, completely wipe up all leaked battery fluid, and then replace the batteries with new ones.

Setting the Time

Example: Setting to 6:20PM (18:20)



When you bought this remote control and insert the batteries to the remote control at first, the steps 1 to 3 are skipped.
Starts from step 4 to set the time.

- 1 Hold down the **M** button ④ for three seconds or more.
The menu is displayed.
- 2 Press the **>** button ⑥ once.
This displays second page (SETUP).
- 3 Press the **D4 (CLOCK)** direct button ⑤.
The “::” indicator blinks and the clock indicator displays “0:00”.
- 4 Press the **1** and **8** numeric button ⑪ to set the hour indicator.
The hour indicator displays “18”.
The minute indicator blinks “_”.
- 5 Press the **2** and **0** numeric button ⑪ to set the minute indicator.
The minute indicator displays “20”.
The hour indicator blinks.
- 6 Press the **OK** cursor button ⑳ to start the clock.
The clock starts from 0 second at the time that was set and return to normal (USE) mode.

Whenever the batteries are replaced, the clock shows 00:00. Please reset the clock. (The time setting is not backed up.)

Checking the Time

To check the time, hold down the ► button ⑥ for three seconds or more. The current time is displayed for five seconds.

Note

Although the remote control uses a quartz clock, the time may become out of sync over the course of operation. Be sure to correct the clock from time to time.

BASIC OPERATION

USE Mode

(Normal operation status)

This remote control is preset with a total of 12 types of remote codes, including Marantz TV (television), DVD, VCR (VCR deck), DSS (satellite broadcasting tuner), TUNER, CD, CD-R, MD, TAPE (tape deck), AUX1, AUX2, and AMP (amplifier).

Learning is not necessary for Marantz products. You can use these products without setting any codes.

- 1 Press the **SOURCE** button ⑭.


For this example, press DVD.

DVD is shown on the LCD, and the remote control is set for DVD.

Pressing the source button once changes the remote control to the settings for the source that was pressed.

To change the amplifier or other source, press the SOURCE button twice (double-click). The code is sent, and then the amplifier source changes to DVD.

- 2 Press the buttons to operate the DVD.

The  indicator is shown on the LCD while the remote control codes are being transmitted. It is not displayed when buttons without stored code are pressed.

- 3 The direct buttons ⑤ can be used to perform up to 20 operations for each of the 12 sources, including DVD, TV, AMP, and other AV equipment.

The buttons consist of the D1 to D5 buttons, and the equipment is operated by pressing the buttons corresponding to the indicators on the LCD.

Four pages are available, and press the > button to select a page. The current page position is displayed on the LCD.

PRESET Mode

(When operating non-Marantz AV equipment products)

This remote control is preset with remote control codes from AV equipment by other manufacturers. The preset codes are TV, VCR, LD, CABLE, DSS, DVD, TAPE, TUNER, CD, CD-R, MD and AMP. Settings can be made in one of two ways.

When the preset codes are set, the following codes are contained in the source button of the remote control.

See the attached manufacturer number list for the preset manufacturers, devices, preset numbers, and other settings.

Remote control source name	Corresponding preset code	Device name
TV	TV	Television
DVD	DVD	DVD player
VCR	VCR	Video deck
DSS	SATELLITE	Satellite broadcasting tuner equipment
TUNER	RECEIVER/TUNER	AM FM TUNER
CD	CD/CD-R PLAYER	CD player
CD-R	CD/CD-R PLAYER	CD recorder
MD	CD/CD-R PLAYER	MD deck
TAPE	TAPE	Cassette deck
AUX1	CABLE	Cable television
AUX2	LASER DISC	Laser disc player
AMP	AMPLIFIER	Amplifier or receiver
	RECEIVER/TUNER	

- When using Marantz products, TV and DVD can be set to TV1 (TV/VDP: Projector) and TV2 (PDP: Plasma display), and DVD1 (first DVD player) and DVD2 (second DVD player), respectively, to match the customer's operating environment. These settings are made in PRESET mode.

In the factory default state, the remote control is set to TV1 and DVD1. To make the presets, enter the numbers below while referring to the section "Entering and Setting the Manufacturer Number Directly".

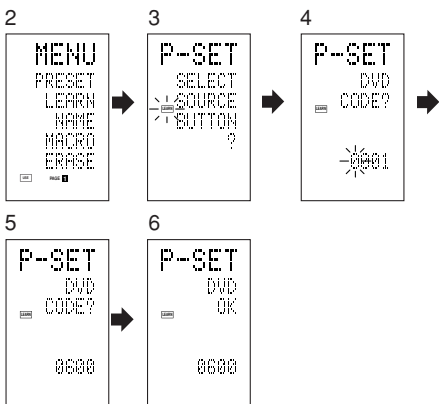
TV1: 0001, TV2: 0002

DVD1: 0001, DVD2: 0002

Entering and Setting the Manufacturer Number Directly

Refer to the manufacturer number list.

This example shows how to set a SAMSUNG DVD player.



- 1 View the supplied manufacturer number list, and find the number of the manufacturer for the device that you are using.
- 2 Hold down the **M** button ④ for three seconds or more.
The menu is displayed.
- 3 Press the **D1** (PRESET) direct button ⑤.
The Preset setting (P-SET) is displayed.
- 4 Press the **DVD** source button ⑭.
- 5 Press the numeric buttons ⑪ to enter the four-digit manufacturer number.

Example: To enter “0600” from the manufacturer number list.

To correct the entered number, use the ◀ or ▶ cursor button to enter the correct number.

- If no button is pressed for over one minute during the setting process, any settings that were made are cancelled.
- 6 Press the **OK** cursor button ⑳.
 - 7 Confirm the OK is displayed and then the display returns to the Preset Setting (P-SET).

When the manufacturer number is entered correctly, OK is displayed momentarily on the screen.

- If you enter a number not in the manufacturer number list, WRONG CODE is displayed, and then you return to the preset setting again

Check the manufacturer number list, and either set a different number or use the sequence function to set.

- 8 To set the manufacturer number for another source device, repeat the procedure in steps 4 to 6.
- 9 After the settings are completed, press the **M** button ④.
- 10 Press the buttons on the remote control to check that the DVD can be operated correctly.

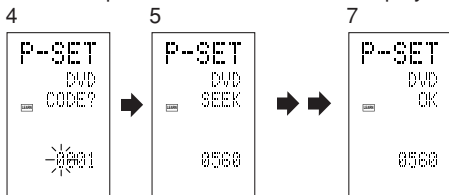
Setting Equipment Not Appearing in Manufacturer Number List

Use the sequence function to set equipment not appearing in the manufacturer number list. You may still be unable to set some equipment even when using the sequence function. In this case, the remote control can be programmed with codes individually.

In the sequence function, the power ON/OFF codes are transmitted by pressing the remote control buttons in order.

If the power for the equipment is left on, hold down the button until the equipment is turned off, and then release. This completes the setting.

This example shows how to set a DVD player.



- 1 Turn on the power of the DVD player.
- 2 Hold down the **M** button ④ for three seconds or more.
The menu is displayed.
- 3 Press the **D1** (PRESET) direct button ⑤.
The Preset setting (P-SET) is displayed.
- 4 Press the **DVD** source button ⑭.
- 5 Hold down the **CH+** or **CH-** button ⑲ for one second or more.
- 6 Press the **CH+** button ⑲ repeatedly in the interval for one second.
The signal is transmitted, and the display cycles through the code number.
Press the **CH-** button to go back to a number screen.
- 7 Release the button once the DVD player turns off.
- 8 Press the **OK** cursor button ⑳.

- 9 Confirm the OK is displayed and then the display returns to the Preset Setting (P-SET).
- 10 To set the manufacturer number for another source device, repeat the procedure in steps 4 to 8.
- 11 After the settings are completed, press the **M** button ④.
- 12 Press the buttons on the remote control to check that the DVD can be operated correctly.

Check the following points if the equipment which was set does not operate properly.

- If there is more than one number in the manufacturer number list, try setting a different number.
- There may be some buttons which cannot be used. Program the codes to the required buttons.

LEARN Mode

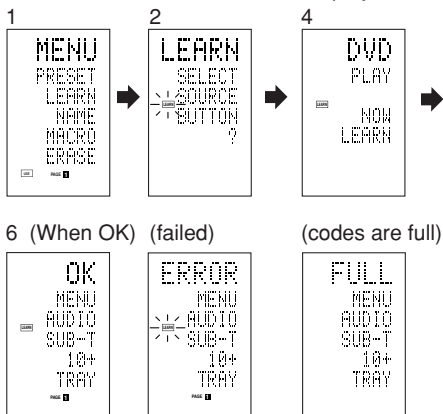
Programming the ► (PLAY) and Other Control Buttons and Numeric Buttons

This remote control is capable of learning and storing codes used by other remote controls that you already own.

For codes which are not learned, the remote control will transmit either the Marantz preset codes from the initial settings, or remote codes from another manufacturer's AV equipment which is set by the customer.

The receiver sensor for the remote control signals is located at the top of the remote control.

This example shows how to learn the codes from the remote control of a DVD player.



- 1 Hold down the **M** button ④ for three seconds or more.

The menu is displayed.

- 2 Press the **D2 (LEARN)** direct button ⑤.

The LEARN setting (LEARN) is displayed. The **LEARN** indicator then blinks.

- 3 Press the **DVD** source button ⑭.

- 4 Press the **▶ (PLAY)** ⑬ button.

The **LEARN** indicator blinks, and then displays to indicate that learning is ready.

- 5 Place the receiver sensor of the remote control (top) so that it is facing the transmitter of the DVD remote control (top) at a distance of about 5 cm (2 inches).

- 6 Press and hold down the **▶ (PLAY)** button of the transmitting DVD remote control, and check that OK is displayed on the LCD.

The remote control has finished learning when OK is displayed on the LCD.

If ERROR is displayed on the LCD, some error has prevented the command from being learned. If this happens, repeat the procedure for steps 4 and 5.

In some rare cases, ERROR may be displayed repeatedly during the learning operation. In this case, the transmitting remote control may have special signal codes. These codes cannot be learned by this remote control.

- 7 Follow the same procedure to make the remote control learn the other buttons.

- 8 Repeat the procedure in steps 3 to 6 to have the remote control learn the signal codes from a TV, CD player, or other AV equipment.

- When no buttons are pressed for approximately one minute during the learning operation, the remote control automatically returns to USE mode.
- When programming the source buttons, switch to the source in step 3, and then press the source button again.

- 9 When you have finished programming the codes for each button, press the **M** button ④.

The **USE** indicator is displayed on the LCD, and the newly stored codes can be used.

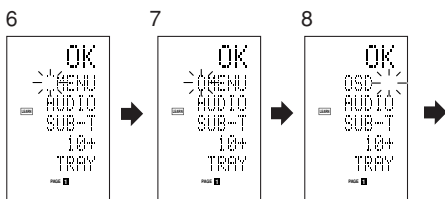
- If FULL is displayed on the LCD, the memory cannot hold any more learned codes in LEARN mode.

If FULL is displayed no matter how many times you try the learning operation, the remote control cannot accept any more new codes until some of the previously learned codes are deleted from the memory. Delete some of the learned buttons from the sources.

The **M** button ④ and **>** button ⑥ cannot be taught. Only each one code can be learned for the **LIGHT** buttons 1 and 2 ⑮, regardless of the source.

Programming the Direct Buttons and Rewriting Names

This example shows how to program codes from other manufacturer products to the DVD MENU button (D1) and change the display to OSD.



- 1 Hold down the **M** button ④ for three seconds or more.
The menu is displayed.
- 2 Press the **D2 (LEARN)** direct button ⑤.
The LEARN setting (LEARN) indicator is displayed.
The **LEARN** indicator then blinks.
- 3 Press the **DVD** source button ⑭.
The first page of the direct button screen is displayed.
There are four available pages. Pressing the **>** buttons cycles through the pages in this order 1 → 2 → 3 → 4 → 1.
- 4 Press the **D1 (MENU)** direct button ⑤.
The **LEARN** indicator blinks, and then displays to indicate that learning is ready.
- 5 Place the receiver sensor of the remote control (top) so that it is facing the transmitter of the DVD remote control (top) at a distance of about 5 cm (2 inches).
- 6 Press and hold down the OSD button of the transmitting DVD remote control, and check that OK is displayed on the LCD.
The remote control has finished learning when OK is displayed on the LCD.

If ERROR is displayed on the LCD, some error has prevented the command from being learned. If this happens, repeat the procedure for steps 4 and 5.

- After learning is completed, the remote control automatically switches to name rewriting mode. The left end “.” indicator on the MENU blinks to indicate that the blinking part can be rewritten.
- If no names will be rewritten, press the OK cursor button. The display returns to learning standby mode by pressing the OK cursor button.

7 To change the name, press the numeric buttons ⑪ to enter the text.

- Use the cursor buttons ◀ ▶ to move to the sections to be rewritten on the LCD.
- To change MENU to OSD, press the 5 numeric button ⑪.

Each time the button is pressed, the display cycles through M → N → O → 5 → M.

8 After rewriting of the text is completed, press the **OK** cursor button ⑳.

To delete text that is already entered, press the 0 button to insert a space.

- In this example, MENU is changed to “OSD (space) (space)” in this step, and then OSD is displayed in the right side by pressing the OK button.

For details, refer to the section “Rewriting Names”.

9 In the same way, use the > button ⑥ to select the page, and then press the direct button ⑤ to program the codes.

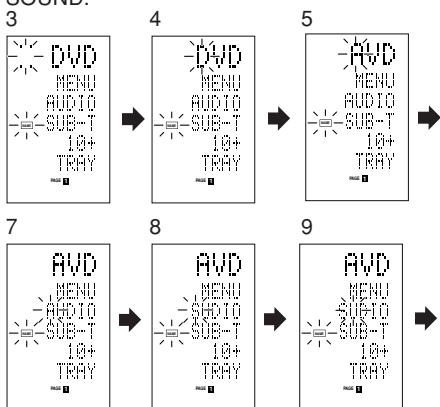
10 After programming the codes for each of the buttons, press the **M** button ④.

The **USE** indicator displays on the LCD, and the newly stored codes can be transmitted.

Rewriting Names

This remote control allows the rewriting of names for the sources and direct buttons. This operation is performed for each individual source.

This example shows how to change the source name from DVD to AVD and AUDIO to SOUND.



- 1 Hold down the **M** button (4) for three seconds or more.

The menu is displayed.

- 2 Press the **D3 (NAME)** direct button (5).
- 3 Press the **DVD** source button (14).

The **NAME** indicator blinks.

The “.” blinks to indicate that the letter can be changed.

- 4 Press the **►** cursor button (20) twice.

The D in DVD blinks to indicate that the letter can be changed.

- 5 Press the **1** numeric button (11) to select A. Each time the numeric buttons are pressed, the button cycles through the alphanumeric characters shown below.

1: A → B → C → 1 → A

2: D → E → F → 2 → D

3: G → H → I → 3 → G

4: J → K → L → 4 → J

5: M → N → O → 5 → M

6: P → Q → R → 6 → P

7: S → T → U → 7 → S

8: V → W → X → 8 → V

9: Y → Z → / → 9 → Y

0: SPACE (.) → + → — → , → ’ → < → > → ? →

0 → SPACE (.)

- 6 Press the ◀ or ▶ cursor button ⑳.

The letter is changed to “A”.

- The ▲ and ▼ cursor buttons can be used to move the blinking indicator of the section to be rewritten.

- 7 Press the ▲ or ▼ cursor buttons ㉔ to select AUDIO on the direct button indicator. The A flashes to indicate that the name can be changed.

- 8 Press the 7 numeric button ㉑ to select S. Each time the button is pressed, the button cycles through S → T → U → 7 → S.

- 9 Press the ▶ cursor button ㉔ to move the flashing section.

- 10 Press the 5 numeric button ㉑ to select O.

- 11 Follow the same procedure to enter U, N, and D.

- 12 When finished entering the text, press the **OK** cursor button ㉔.

- 13 Press the **M** button ④.

The **USE** indicator displays on the LCD, and the newly stored codes can be used.

The input is overwritten, and so the currently displayed text is erased.

Up to six characters can be entered for the direct button indicator.

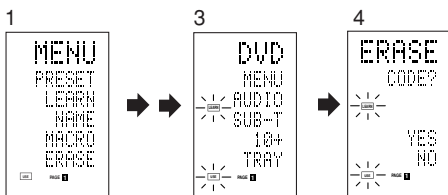
Erasing Programmed Codes (Returning to Initial Settings)

Codes can be erased in five ways: by buttons, direct buttons, direct button pages, sources, and by all memory contents.

Erasing Buttons and Erasing Direct Buttons

This example shows how to erase the code learned from the PLAY button of the DVD player and the AUTO code of the AMP direct button.

Erasing buttons



- 1 Hold down the **M** button ④ for three seconds or more.

The menu is displayed.

- 2 Press the **D5** (ERASE) direct button ⑤.

- 3 Press the **DVD** source button ⑭.

The **USE** and **LEARN** indicators blink.

- 4 Press the button (▶: PLAY) that you want to erase while holding down the **CLEAR** button ⑮.

A message is displayed on the LCD.

- 5 Press the **D4** (YES) direct button ⑤ to erase.

The code programmed to the (▶:PLAY) button is erased.

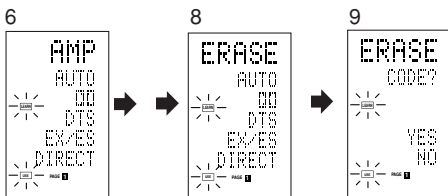
When the code is cleared, the code for this button resets to the factory default code or becomes blank.

- To cancel the erasing operation, press the D5 (NO) button to return to the previous display.

To erase codes programmed for the CLEAR button, simply press the CLEAR button twice.

To erase codes programmed for the SOURCE button, simply press the SOURCE button twice.

Erasing direct buttons



- 6 Press the **AMP** source button ⑭.

- 7 Press the **>** button ⑥ to display the first page for AMP.

- 8 Press the **D1** (AUTO) direct ⑤ button to be erased while holding down the **CLEAR** button ⑮.

- 9 Press the **D4** (YES) direct button ⑤ to erase.

The code programmed to the AUTO button is erased.

When the code is cleared, the code for this button resets to the factory default code or becomes blank.

The rewritten name returns to the original name.

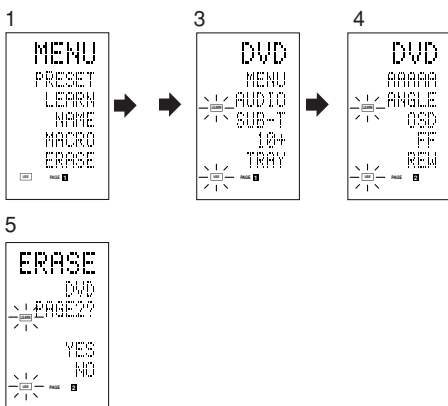
- To cancel the erasing operation, press the D5 (NO) button to return to the previous screen.

- 10 When the erasing operation is finished, press the **M** button ④.

The **USE** indicator displays to indicate that the remote control can now be operated.

Erasing Direct Button Pages

This example shows how to erase the entire direct button second page learned from the DVD player.



- 1 Hold down the **M** button (4) for three seconds or more.

The menu is displayed.

- 2 Press the **D5** (ERASE) direct button (5).
- 3 Press the **DVD** source button (14).

The **USE** and **LEARN** indicators blink.

- 4 Press the **>** button (6) to display the second page.
- 5 Press the **>** button (6) while holding down the **CLEAR** button (16).
- 6 Press the **D4** (YES) direct button (5) to erase.

All codes and names programmed to page 2 are erased. When the codes are cleared, the codes for this button reset to the factory default code or become blank. Any rewritten names return to the original name.

- To cancel the erasing operation, press the D5 (NO) button to return to the previous screen.

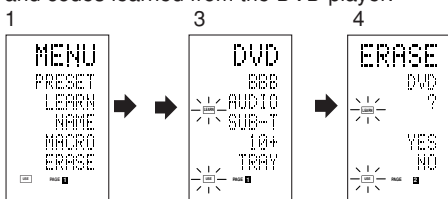
- 7 When the erasing operation is finished, press the **M** button (4).

The **USE** indicator lights up to indicate that the remote control can now be operated.

Erasing Sources

This procedure clears all codes and names programmed to the DVD, TV, or other sources. All codes and names in the four direct button pages are also erased.

This example shows how to erase the names and codes learned from the DVD player.



- 1 Hold down the **M** button ④ for three seconds or more.

The menu is displayed.

- 2 Press the **D5** (ERASE) direct button ⑤.
- 3 Press the **DVD** source button ⑭.

The **USE** and **LEARN** indicators blink.

- 4 Press the **DVD** source button ⑭ while holding down the **CLEAR** button ⑮.
- 5 Press the **D4** (YES) direct button ⑤ to erase.

All codes and names programmed to the DVD source are erased. When the codes are cleared, the codes for this button reset to the factory default code or become blank. Any rewritten names return to the original name.

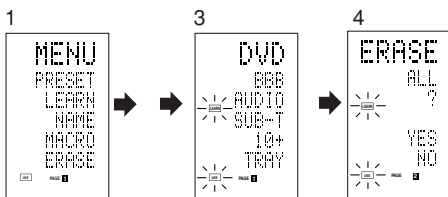
- To cancel the erasing operation, press the D5 (NO) button to return to the previous display.

- 6 When the erasing operation is finished, press the **M** button ④.

The **USE** indicator displays to indicate that the remote control can now be operated.

Erasing All

This procedure clears (resets) all programmed codes and names. Once all the data is cleared, the memory is returned to the factory default status. The programmed macros are also erased.



- 1 Hold down the **M** button ④ for three seconds or more.

The menu is displayed.

- 2 Press the **D5 (ERASE)** direct button ⑤.

The **USE** and **LEARN** indicators blink.

- 3 Press the **CLEAR** button ⑩ while holding down the **POWER ON** and **OFF** buttons ② at the same time.

- 4 Press the **D4 (YES)** direct button ⑤ to erase.

All programmed codes and names are erased and reset to the factory default settings.

- To cancel the erasing operation, press the D5 (NO) button to return to the previous screen.
- To erase all operation takes a few seconds after the D4 (YES) button is pressed.

PROGRAMMING MACROS

This remote control can program a series of button operations in sequence.

Macros are a function that makes it possible to use a single button operation to perform a complex series of button operations any number of times. A single button can be programmed to perform up to 20 steps in sequence. A total of 20 buttons can be programmed with macros.

- For example, the following sequence of operations can be programmed to a macro.

Switch amplifier to DVD source → Set amplifier mode to AUTO → Play DVD player → Switch TV to video input

The factory default for the transmission interval (time) between macro operations is one second, but these signal transmission intervals can be set between approximately 0.5 seconds and 5 seconds in the Setup mode. Each transmission interval can be adjusted independently when programming or revising a macro.

Note:

If the signal transmission interval (interval time) is changed using the Setup mode (described later), this transmission interval is applied to all macro programs. To change individual signal transmission intervals, use the procedures in this section for programming macros and revising macros.

- No signals are transmitted while programming a macro.
- The **M** button ④, **>** button ⑥, cursor buttons ⑩, **MEMO** button ⑫, **CLEAR** button ⑮, and **VOL** buttons ⑦ cannot be programmed.
- If no button is pressed for approximately one minute during programming, the remote control returns to the state before macro mode.

In this case, the macro program is not stored.

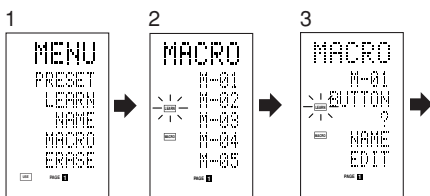
- When executing macro mode, performing the source switching operation two or more times only changes the remote control mode and does not transmit any signals. (Switching of the source selector of the amplifier is valid only once.)

Programming Macros

This example shows how to program a macro to the M-01 button.

(The screens shown in the example are the default factory states. If the names of direct buttons were rewritten, these modified names would be displayed.)

Switch amplifier to DVD source → Play DVD player \overline{AE} Set the interval to 2 seconds until the next signal is sent → Switch TV to video input → Set the amplifier mode to AUTO



- 1 Hold down the **M** button ④ for three seconds or more.

The menu is displayed.

- 2 Press the **D4** (MACRO) direct button ⑤.

The macro menu is displayed.

The **MACRO** indicator displays and **LEARN** blinks.

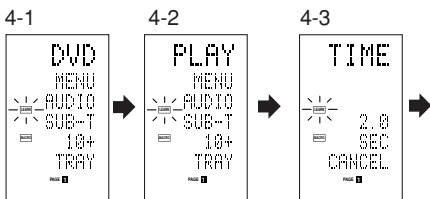
- 3 Press the **D1** (M-01) direct button ⑤.

The menu has four pages, and so use the > button to select the page when programming other buttons.

- 4 Press the buttons in the sequence that you want the operations performed.

The actual program starts here.

Each time a button is pressed, the name of the button is displayed on the LCD.



- 4-1 Press the **DVD** source button ⑭.

- 4-2 Press the **▶** (PLAY) button ⑬.

- 4-3 Press the **▲** or **▼** cursor buttons ⑳.

The interval time is displayed on the LCD.

- 4-4 Press the **▲** or **▼** cursor buttons ⑳ and set to 2.0 (seconds).

- Use the ▲ cursor button to increase the time and the ▼ button to decrease the time. The interval time can be set from 0.5 seconds to 5 seconds.
- To stop the time adjustment, press the D5 (CANCEL) direct button.

- 4-5 Press the **OK** cursor button ⑳.
- 4-6 Press the **TV** source button ⑭.
- 4-7 Press the > button ⑥ to display the first page.
- 4-8 Press the **D1** (INPUT) direct button ⑤.
- 4-9 Press the **AMP** source button ⑭.
- 4-10 Press the > button ⑥ to display the first page.
- 4-11 Press the **D1** (AUTO) direct button ⑤.
- 4-12 Press the **OK** cursor button ⑳.

The LCD displays END to indicate that programming is completed.

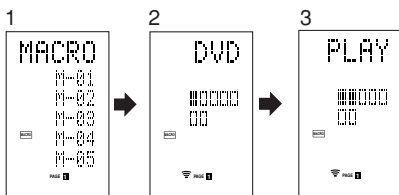
- 5 To program another macro, repeat the procedure in steps 3 to 4-12.
- 6 To exit macro programming, press the **M** button ④.

The **USE** indicator displays to indicate that the remote control can now be operated.

When the macro are programmed 20 operations or more, the display returns macro menu.

Edit the macro so that it has 20 operations or less.

Executing Macro Programs



- 1 Press the **M** button ④ shortly.
The macro menu is displayed.
- 2 Press the **D1** (M-01) direct button ⑤.
- 3 Check that the operations of the program are executed step by step.

The name of the operation button is displayed on the LCD.

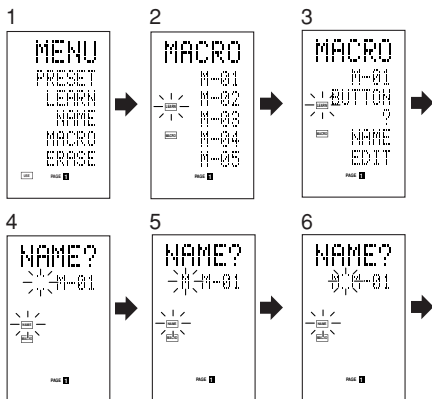
- The programmed section is indicated by □. The bar indicator moves to indicate the progress of the program.

Select DVD source → PLAY transmit → Interval time: 2 seconds → Select TV → TV INPUT transmit → Select AMP → AUTO transmit → End

- To cancel transmission of the program while it is in progress, press any button.

Changing Names of Macro Programs

Under the factory default settings, the names of the macro programs are set from M-01 to M-20, but you can change them to any desired name. The text can have up to six characters, and it is entered using the numeric buttons. This example shows how to change the M-01 name to MOVIE.



- 1 Hold down the **M** button ④ for three seconds or more.
The menu is displayed.
- 2 Press the **D4** (MACRO) direct button ⑤.
The macro menu is displayed.
The **MACRO** indicator displays and **LEARN** blinks.
- 3 Press the **D1** (M-01) direct button ⑤.
The NAME is displayed.
- 4 Press the **D3** (NAME) direct button ⑤.
The “.” blinks to indicate that rewriting is possible.
- 5 Press the **5** numeric button ⑪ to select M.
- 6 Press the **▶** cursor button ⑳ to next.
The “.” blinks to indicate that rewriting is possible.
- 7 Press the **5** numeric button ⑪ to select O.
- 8 Repeat steps 6 and 7, and then enter V, I, E and “.” (space).
 - To make changes in the text while entering it, use the **◀** or **▶** cursor buttons to move to the blinking section.
- 9 After making the changes, press the **OK** cursor button ⑳.
 - To change the names of other macro programs, repeat the procedure in steps 3 to 9.
- 10 To exit, press the **M** button ④.

Erasing Steps of Macro Programs

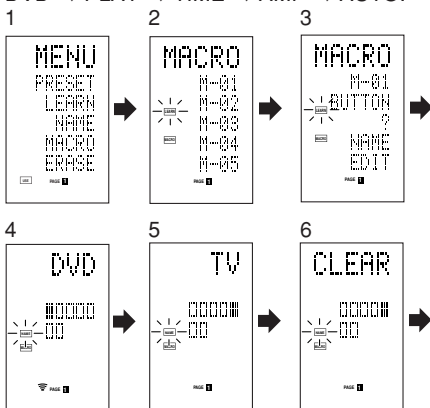
This example shows how to delete the TV and INPUT steps from the following macro programmed to M-01.

The program is changed from

DVD → PLAY → TIME → TV → INPUT → AMP → AUTO

to

DVD → PLAY → TIME → AMP → AUTO.



- 1 Hold down the **M** button (4) for three seconds or more.

The menu is displayed.

- 2 Press the **D4** (MACRO) direct button (5).

The macro menu is displayed.

The **MACRO** indicator displays and **LEARN** blinks.

- 3 Press the **D1** (M-01) direct button (5).

- 4 Press the **D5** (EDIT) direct button (5).

The LCD displays DVD, and the step position is indicated by ■.

The programmed section is indicated by □.

- 5 Press the **▶** cursor button (20) to display TV.

- 6 Press the **CLEAR** button (16).

The LCD displays CLEAR, and TV and INPUT are deleted.

When deleting steps from a macro program, the operations performed for a source after switching to the source are also deleted.

If the CLEAR button is pressed at the INPUT position, only the INPUT step is deleted.

The □ indicator for the step is also changed.

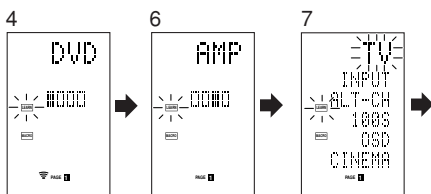
- To check the modified steps, press the ◀ or ▶ cursor button.

- 7 To exit, press the **M** button (4).

When finished, to change another macro program, press the OK cursor button to return to the menu, and then repeat the procedure for steps 3 to 6.

Overwriting Steps in Macro Programs

This example shows how to change the macro programmed to M-01 from
DVD → PLAY → AMP → AUTO
to
DVD → PLAY → TV → INPUT.



- 1 Hold down the **M** button (4) for three seconds or more.

The menu is displayed.

- 2 Press the **D4** (MACRO) direct button (5).

The macro menu is displayed.

The **MACRO** indicator displays and **LEARN** blinks.

- 3 Press the **D1** (M-01) direct button (5).

- 4 Press the **D5** (EDIT) direct button (5).

The LCD displays DVD, and the step position is indicated by ■.

The programmed section is indicated by □.

- 5 Press the **▶** cursor button (20) so that AMP is displayed.

- 6 Press the **TV** source button (14).

TV blinks for 0.5 seconds.

- 7 Press the **D1** (INPUT) direct button (5).

INPUT blinks for 0.5 seconds.

TV and INPUT are overwritten.

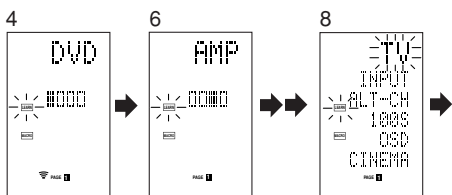
- To check the modified steps, press the **◀** or **▶** cursor button.

- 8 To exit, press the **M** button (4).

When finished, to change another macro program, press the OK cursor button to return to the menu, and then repeat the procedure for steps 3 to 8.

Inserting Steps in Macro Programs

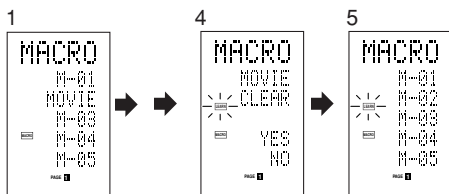
This example shows how to change the macro programmed to M-01 from
 DVD → PLAY → AMP → AUTO
 to
 DVD → PLAY → TV → INPUT → AMP → AUTO



- 1 Hold down the **M** button ④ for three seconds or more.
 The menu is displayed.
- 2 Press the **D4** (MACRO) direct button ⑤.
 The macro menu is displayed.
 The **MACRO** indicator displays and **LEARN** blinks.
- 3 Press the **D1** (M-01) direct button ⑤.
- 4 Press the **D5** (EDIT) direct button ⑤.
 The LCD displays DVD, and the step position is indicated by ■.
 The programmed section is indicated by □.
- 5 Press the ► cursor button ⑳ so that AMP is displayed.
- 6 Press the **MEMO** button ⑫.
- 7 Press the **TV** source button ⑭.
 TV blinks for 0.5 seconds
- 8 Press the **D1** (INPUT) direct button ⑤.
 INPUT blinks for 0.5 seconds.
 TV and INPUT are inserted.
- 9 Press the **OK** cursor button ㉑.
 - To check the modified steps, press the ◀ or ▶ cursor button.
- 10 To exit, press the **M** button ④.
 When finished, to change another macro program, press the OK cursor button to return to the menu, and then repeat the procedure for steps 3 to 9.

Clearing Macro Programs

When clearing macros, the macros programmed to the button are erased. Modified macro names are also returned to the factory default settings. This example shows how to clear a macro with the name MOVIE programmed to M-02.



- 1 Press the **M** button ④ for three second or more.

The macro menu is displayed.

- 2 Press the **D4** (MACRO) direct button ⑤.

The macro menu is displayed.

- 3 Press the **D2** (MOVIE) direct button ⑤ while holding down the **CLEAR** button ⑩.

- 4 Press the **D4** (YES) direct button ⑤ to clear the macro.

To cancel the clearing operation, press the NO (D5 button).

- 5 To exit, press the **M** button ④.

When finished, to change another macro program, press the OK cursor button to return to the menu, and then repeat the procedure for steps 2 to 4.

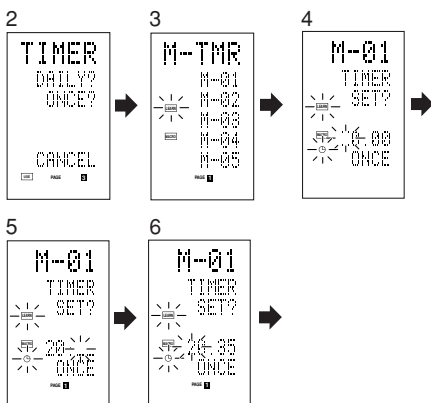
Setting the Macro Timer

Setting the macro timer enables the macro program to automatically turn the power for a device on or off or perform other operations.

In the settings, you can select to execute the macro timer everyday or only once.

Be sure to set the clock to the correct time before using the timer. The macro timer can only be set for one program a day.

This example shows how to use the timer only once at 20:35 to execute a macro programmed to M-01.



- 1 Hold down the **M** button ④ for three seconds or more.

The menu is displayed.

- 2 Press the **>** button ⑥ to display the third page **TIMER** menu.

- 3 Press the **D2** (ONCE?) direct button ⑤.

The M-TMR menu is displayed on the LCD.

- To cancel timer operation, press CANCEL.

- 4 Press the **D1** (M-01) direct button ⑤.

The time which is set previously is displayed.

- 5 Press the **2** and **0** numeric button ⑪ to set the hour indicator to 20.

- 6 Press the **3** and **5** numeric button ⑪ to set the minute indicator to 35.

- 7 Press the **OK** cursor button ⑳.

This finalizes the time.

- 8 To exit, press the **M** button ④.

To cancel the macro timer, return to the **TIMER** menu and press the **D5** (CANCEL) and then press **D1** (M-01).

Executing the Macro Timer

The macro program starts when the time that was set is reached. The TIMER ⌚ indicator lights up whenever the macro timer is activated.

Note:

To execute the macro timer, place the remote control facing the infrared sensor of the device to be operated. If the remote control is not in a suitable position, it may not operate the device properly.

CLONE MODE

Creating Copies Using Clone Mode

All of the codes programmed to the RC1400 remote control can be copied to another RC1400 using a few simple operations.

- The remote control can copy the entire contents or the contents for specific source buttons.
- When copying the entire contents, all programmed codes, modified names, programmed macros, and signal transmission intervals are copied.

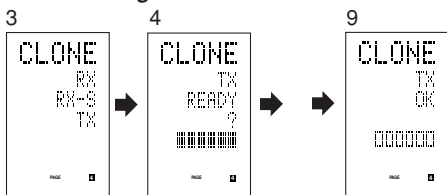
When copying the contents for source buttons, the programmed codes and modified names are copied.

Note:

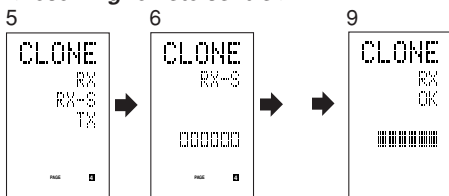
The clone function can only be used for copying when using the same model (RC1400) for both the transmitting and receiving remote control.

Copying Entire Contents

<Transmitting remote control>



<Receiving remote control>



- 1 Place the receiver sensor of the receiving remote control (top) so that it is facing the transmitter of the transmitting remote control (top) at a distance of about 5 cm (2 inches).
- 2 Hold down the **M** button ④ of the transmitting remote control for three seconds or more.

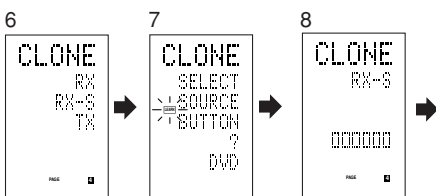
The menu is displayed.

- 3 Press the **>** button ⑥ to display the fourth page CLONE menu.
- 4 Press the **D3 (TX)** direct button ⑤.
The transmitting side is now ready.
- 5 Hold down the **M** button ④ of the receiving remote control for three seconds or more.
The menu is displayed.
- 6 Press the **>** button ⑥ to display the fourth page CLONE menu.
- 7 Press the **D1 (RX)** direct button ⑤.
The receiving side is now ready.
- 8 Press the **OK** cursor button ⑳ on the receiving remote control.
- 9 Press the **OK** cursor button ⑳ on the transmitting remote control.
When copying is started, the bar indicators on both LCDs start to move from the left to the right.
 - When the copying operation is completed, TX OK is displayed on the LCD of the transmitting remote control, and RX OK is displayed on the LCD of the receiving remote control.
 - Do not touch either of the remote controls during the copying operation. Doing so could cause copying to fail.
 - If the copying fails in the middle of the copying process, RX ERROR is displayed on the receiving remote control. Check and perform steps 1 to 7 again.
 - Copying takes about three minutes to complete when the transmitting remote control has been programmed to 100% capacity.
- 10 Once copying is completed, press the **M** button ④ on both remote controls.

Copying by Source

The 12 sources can be copied on a source by source basis. You can select from up to 12 source types.

<Receiving remote control>



- 1 Place the receiver sensor of the receiving remote control (top) so that it is facing the transmitter of the transmitting remote control (top) at a distance of about 5 cm (2 inches).
- 2 Hold down the **M** button ④ of the transmitting remote control for three seconds or more.
The menu is displayed.
- 3 Press the **>** button ⑥ to display the fourth page CLONE menu.
- 4 Press the **D3 (TX)** direct button ⑤.
The transmitting side is now ready.
- 5 Hold down the **M** button ④ of the receiving remote control for three seconds or more.
- 6 Press the **>** button ⑥ to display the fourth page CLONE menu.
- 7 Press the **D2 (RX-S)** direct button ⑤.
- 8 Press the source button ⑭ to be copied.
The receiving side is now ready.
The name of the source which was pressed is displayed on the LCD.
 - Each time the source button is pressed, the name is displayed on the LCD.
- 9 Press the **OK** cursor button ⑳ on the receiving remote control.
- 10 Press the **OK** cursor button ⑳ on the transmitting remote control.
When copying is started, the bar indicators on both LCDs start to move from the left to the right.
 - When the copying operation is completed, TX OK is displayed on the LCD of the transmitting remote control, and RX OK is displayed on the LCD of the receiving remote control.
 - Do not touch either of the remote controls during the copying operation. Doing so could cause copying to fail.
 - If the copying fails in the middle of the copying process, ERROR is displayed on the remote control.
Check and perform steps 1 to 7 again.
- 11 Once copying is completed, press the **M** button ④ on both remote controls.

Setting the Lighting Time

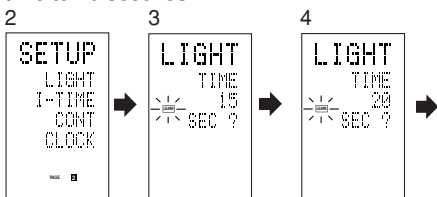
- The LCD lights up when the **LIGHT** buttons ⑮ are pressed. The LCD remains lit while the pressed button is held down, and it goes off when the button is released.
- The LCD continues to light up if another button is pressed while it is lit or if pressed within two seconds after the light goes off.
- The lighting time can be set in one-second units from 0 to 60 seconds.

The **LIGHT** buttons have light-absorbing properties that enable them to store light. If the buttons are no longer illuminated in a dimly lit environment, bring the buttons near a fluorescent lamp or other light source for a sufficient amount of time. This should illuminate the buttons again.

- The **LIGHT** buttons consist of a **LIGHT1** and **LIGHT2** button, and they both perform the same operation.

The factory default lighting time is set to 15 seconds.

This example shows how to set the lighting time to 20 seconds.



- 1 Hold down the **M** button ④ for three seconds or more.
The menu is displayed.
- 2 Press the **>** button ⑥ to display the second page **SETUP** menu.
- 3 Press the **D1** (**LIGHT**) direct button ⑤.
The **LIGHT** is displayed on the LCD
- 4 Press the **▲** or **▼** cursor button ⑳ to set the lighting time.
- 5 Press the **OK** cursor button ㉑ to enter the lighting time.
- 6 Once the setting is finished, press the **M** button ④.

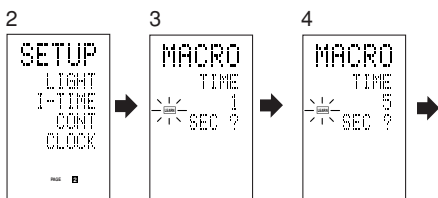
Setting the Macro Interval Time

When a macro program is executed, control signals are transmitted in sequence. This transmission interval (interval time) can be set in 0.5-seconds units from 0.5 to 5 seconds.

If the interval time is set in this Setup mode, the interval times for all programmed macros are changed. If necessary, use EDIT (see page 33) in the macro program to change the individual transmission times.

The factory default setting for the transmission interval is 1 second.

This example shows how to set the interval time to 5 seconds.



- 1 Hold down the **M** button ④ for three seconds or more.

The menu is displayed.

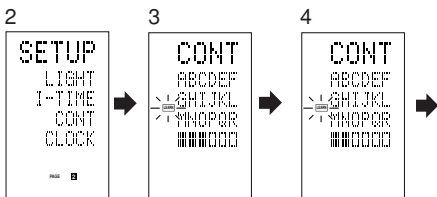
- 2 Press the **>** button ⑥ to display the second page SETUP menu.
- 3 Press the **D2** (I-TIME) direct button ⑤.
- 4 Press the **▲** or **▼** cursor button ⑳ to set the interval time.

Holding down the cursor button fast-forwards the time indicator.

- 5 Press the **OK** cursor button ㉑ to enter the interval time.
- 6 Once the setting is finished, press the **M** button ④.

Adjusting the Display Contrast

The contrast of the LCD can be adjusted. Adjust for maximum visibility according to your viewing environment.



- 1 Hold down the **M** button ④ for three seconds or more.

The menu is displayed.

- 2 Press the **>** button ⑥ to display the second page SETUP menu.

- 3 Press the **D3** (CONT) direct button ⑤.

- 4 Press the **▲** or **▼** cursor button ⑳ and set the display contrast for maximum visibility.

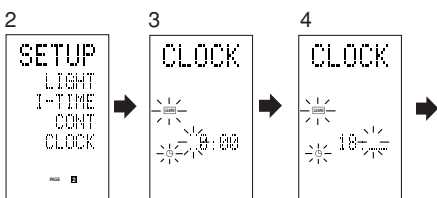
The adjustment has 10 levels.

The factory default setting for the contrast is the fifth level.

- 5 Press the **OK** cursor button ㉑ to enter the display contrast.
- 6 Once the setting is finished, press the **M** button ④.

Adjusting the Time


Example: Setting to 6:20PM (18:20)



When you bought this remote control and insert the batteries to the remote control at first, the steps 1 to 3 are skipped.
Starts from step 4 to set the time.

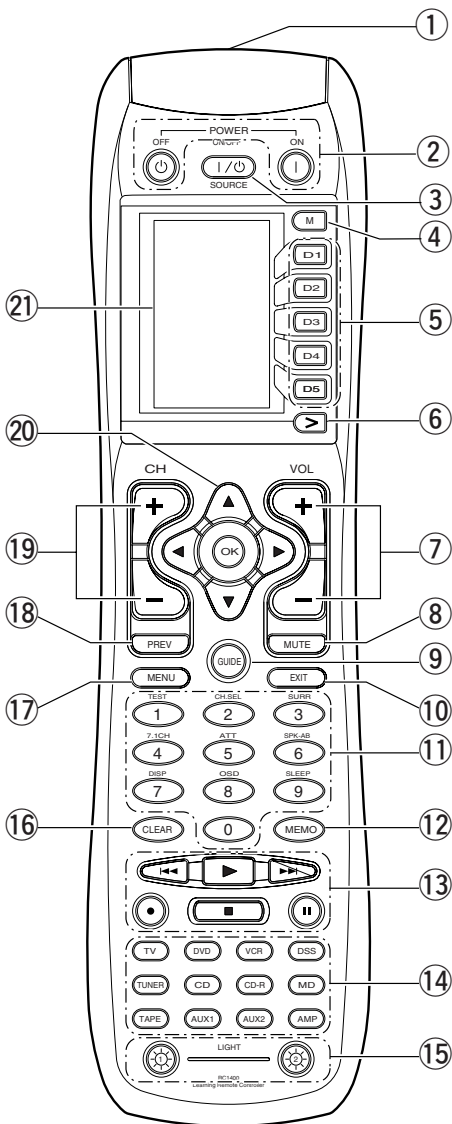
- 1 Hold down the **M** button ④ for three seconds or more.
The menu is displayed.
- 2 Press the **>** button ⑥ once.
This displays second page(SETUP).
- 3 Press the **D4 (CLOCK)** direct button ⑤.
The “:” indicator blinks and the clock indicator displays “0:00”.
- 4 Press the **1** and **8** numeric button ⑪ to set the hour indicator.
The hour indicator displays “18”.
The minute indicator blinks “_”.
- 5 Press the **2** and **0** numeric button ⑪ to set the minute indicator.
The minute indicator displays “20”.
The hour indicator blinks.
- 6 Press the **OK** cursor button ⑳ to start the clock.
The clock starts from 0 second at the time that was set and the menu is displayed.
Press the **M** button to return to normal (USE) mode.

Direct Button Indicators and Operation

Function	Command	Note
AMP PAGE 1	1 AUTO 2  3 DTS 4 EX/ES 5 DIRECT	SELECT AUTO SURROUND SELECT DOLBY MODE SELECT DTS MODE SELECT EX/ES SELECT SOURCE DIRECT
PAGE 2	1 MCH-ST 2 STEREO 3 VIRTUA 4 CS-II 5 HT-EQ	SELECT MULTI CH STEREO SELECT STEREO MODE SELECT VIRTUAL MODE SELECT CS-II MODE SELECT HT-EQ
PAGE 3	1 NIGHT 2 BASS + 3 BASS - 4 TREB + 5 TREB -	NIGHT MODE ON/OFF BASS + BASS - TREBLE + TREBLE -
PAGE 4	1 MULTI 2 M-SPKR 3 A/D 4 V-OFF 5 AUDIO	MULTI ROOM ON/OFF MULTI SPKR ON/OFF SELECT ANALOG/DIGITAL VIDEO OFF BILINGUAL SELECT
TUNER PAGE 1	1 FM 2 AM 3 LW 4 T-MODE 5 BAND	SELECT FM SELECT AM SELECT LW SELECT MONO/STEREO SELECT RADIO BAND
PAGE 2	1 SCAN + 2 SCAN - 3 T-MODE 4 P-SCAN 5 P-INFO	FREQUENCY SCAN UP FREQUENCY SCAN DOWN SELECT MONO/STEREO SELECT PRESET SCAN SHOW PRESET INFO.
PAGE 3	1 DISP 2 PTY 3 AF 4 STM 5 DWR	RDS DISPLAY RDS PTY RDS ALTERNATE FREQ. RDS STATION MODE RDS DSR WAVE LANGE
PAGE 4	1 MULTI 2 M-SPKR 3 4 P-SET+ 5 P-SET-	MULTI ROOM ON/OFF MULTI SPKR ON/OFF PRESET UP PRESET DOWN
TV1 (VDP) PAGE 1	1 INPUT 2 ALT-CH 3 100S 4 OSD 5 CINEMA	SELECT VIDEO INPUT SELECT ALTERNATE CHANNEL 100S ON SCREEN DISPLAY ON/OFF CINEMA MODE
PAGE 2	1 ASPECT 2 FULL 3 NORMAL 4 PASS 5 ZOOM	SELECTS ASPECT RATIO ASPECT FULL ASPECT NORMAL ASPECT THROUGH ASPECT ZOOM
PAGE 3	1 HOLD 2 RVL 3 PAGE + 4 PAGE - 5 ENTER	ACTIVES PAGE HOLD SELECT DISPLAY OF TEXT PAGE PAGE + PAGE - ENTER THE TEXT PAGE
PAGE 4	1 C-CALL 2 SLEEP 3 MUTE 4 VOL + 5 VOL -	CHANNEL CALL ON/OFF SELECT SLEEP TIMER MUTE ON/OFF TV VOLUME + TV VOLUME -
TV2 (PDP) PAGE 1	1 INPUT 2 P IN P 3 P-SEL 4 P-MODE 5 P-SWAP	INPUT SELECT PIP ON/OFF SELECT PIP INPUT SELECT SELECT PIP POSITION SWAP
PAGE 2	1 AUTO 2 FULL 3 NORMAL 4 THROUG 5 ZOOM	ASPECT AUTO MODE ASPECT FULL ASPECT NORMAL ASPECT THROUGH ASPECT ZOOM

Function	Command	Note
PAGE 3	1 PICT 2 SURR 3 S-ZOOM 4 S-Z IN 5 S-Z OT	ENTER PICTURE SELECT MENU SURROUND ON/OFF SUPER ZOOM ON/OFF SUPER ZOOM :ZOOM IN SUPER ZOOM :ZOOM OUT
PAGE 4	1 DISP 2 SLEEP 3 4 5	DISPLAY SELECT SLEEP TIMER
CD PAGE 1	1 DISC+ 2 DISC- 3 SHUFLE 4 REPEAT 5 TRAY	CD CHANGER NEXT DISC CD CHANGER PREVIOUS DISC SHUFFLE PLAY REPEAT CD TRAY OPEN/CLOSE
PAGE 2	1 TEXT 2 AMS 3 SCROLL 4 FF 5 REW	ACTIVATE TEXT FUNCTION AUTO MUSIC SCAN SCROLL / RECALL FAST FORWARD REWIND
PAGE 3	1 DISC 1 2 DISC 2 3 DISC 3 4 DISC 4 5 DISC 5	CD CHANGER DISC 1 CD CHANGER DISC 2 CD CHANGER DISC 3 CD CHANGER DISC 4 CD CHANGER DISC 5
PAGE 4	1 UNIT 2 TITL-S 3 TRACK 4 CATGRY 5 P-MODE	SELECT UNIT No. SELECT TITLE SEARCH SELECT TRACK No. SELECT CATEGORY SELECT PLAY MODE
AUX2/LD PAGE 1	1 SIDE-A 2 SIDE-B 3 DISP 4 AUDIO 5 TRAY	SELECT DISC SIDE A SELECT DISC SIDE B DISPLAY ON/OFF SELECT AUDIO MODE LD TRAY OPEN/CLOSE
PAGE 2	1 RPT-A 2 RPT-B 3 AMS 4 FF 5 REW	REPEAT A START POINT REPEAT B START POINT AUTO MUSIC SCAN FAST FORWARD REWIND
PAGE 3	1 PBC 2 KARAOK 3 INDEX+ 4 INDEX- 5 RETURN	SELECT PLAYBACK CONTROL SWITCHES KARAOKE INDEX UP INDEX DOWN STOP OR SELECT RETURN
PAGE 4	1 CP/F 2 D/CX 3 4 5	SELECT CHAPTER/FRAME SELECT DIG/ANALOG/CX NR
TAPE PAGE 1	1 TAPE-A 2 TAPE-B 3 DIR 4 TIME 5 TRAY	SELECT TAPE DECK A SELECT TAPE DECK B AUTO REVERSE DIRECTION TIME DISPLAY TRAY OPEN/CLOSE
PAGE 2	1 AMS 2 3 4 FF 5 REW	AUTO MUSIC SCAN FAST FORWARD REWIND
VCR PAGE 1	1 TV/VCR 2 2XPLAY 3 SLOW 4 STILL 5 EJECT	SELECT TV/VCR TWICE NORMAL PLAYBACK SPEED SLOW PLAYBACK SPEED STILL FRAME EJECT
PAGE 2	1 OTR 2 AUDIO 3 SKIP 4 FF 5 REW	ONE TOUCH RECORDING SELECT AUDIO MODE SKIP TO NEXT PROG. MARKER FAST FORWARD REWIND

Function	Command	Note
PAGE 3	1 VIS + 2 VIS - 3 4 5	VHS INDEX SEARCH NEXT VHS INDEX SEARCH PREVIOUS
DSS PAGE 1	1 DISP 2 PREV 3 TV/VCR 4 AUDIO 5 EJECT	BRINGS UP ON SCREEN CH MARKER GOES TO PREV. SELECTED CH SELECT TV/VCR SELECT AUDIO MODE EJECT
PAGE 2	1 FAV 2 ALT 3 FTCH 4 ANT 5	FAVORITE USER & CH LISTS ALTERNATE AUDIO CH, LANGUAGES BRINGS UP ON SCREEN CH LOGOS SELECT BROADCAST OR ANTENNA
CDR PAGE 1	1 INPUT 2 INCR 3 SYNC-R 4 PROG 5 TRAY	SELECT INPUT SOURCE INCREMENTS TRACK No. ACTIVATE SYNCRO. RECORDING ACTIVATE PROGRAM MODE TRAY OPEN/CLOSE
PAGE 2	1 SCROLL 2 FINAL 3 BLANK 4 FF 5 REW	SCROLL / RECALL FINALIZES (WRITES TOC) RECORDS BLANK FAST FORWARD REWIND
PAGE 3	1 BLANK 2 REPEAT 3 4 5	RECORDS BLANK ACTIVATE REPEAT MODE
DVD1 PAGE 1 DVD2	1 MENU 2 AUDIO 3 SUB-T 4 10+ 5 TRAY	SELECTS MAIN MENU SELECT LANGUAGES SELECTS SUB TITLE DIGIT ENTRY +10 TRAY OPEN/CLOSE
PAGE 2	1 SETUP 2 ANGLE 3 OSD 4 FF 5 REW	SELECTS SETUP MENU SELECTS ANGLE ACTIVATES ON SCREEN DISP. FAST FORWARD REWIND
PAGE 3	1 SLOW 2 L-PLAY 3 SHUFLE 4 REPEAT 5 A/B	SLOW FORWARD LAST PLAY SHUFFLE PLAY REPEAT MODE REPEAT A TO B
PAGE 4	1 RETURN 2 T/C 3 3-D 4 TITLE 5 ZOOM	RETURN TO MENU TITLE AND CHAPTER SURROUND ON/OFF SELECTS TITLE MENU ZOOM MODE ON/OFF
MD PAGE 1	1 REPEAT 2 SHUFLE 3 DISP 4 EDIT 5 EJECT	SELECTS REPEAT MODE SELECTS SHUFFLE PLAY SELECTS DISPLAY MODE SELECTS EDIT MODE EJECT
PAGE 2	1 SP/LP 2 DELETE 3 ENTER 4 FF 5 REW	SELECTS SP/LP MODE SELECTS DELETE SELECTS ENTER FAST FORWARD REWIND
PAGE 3	1 MARKER 2 PROG 3 SYNC-R 4 CHAR 5	SELECTS AUTO MARKER SELECTS PROGRAM MODE SYNCRO REC SELECTS CHARACTER MODE



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