Panasonic

LCD Projector

Remote Control Operating Guide

Model No. **PT-AE900U**

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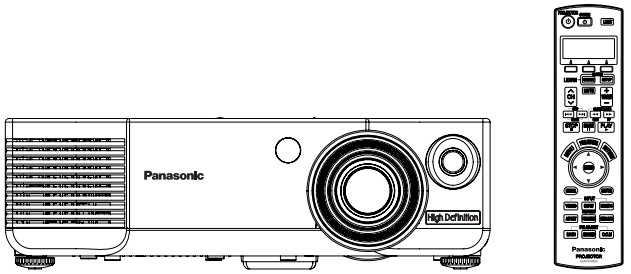

- This remote control can be used to carry out simple setting operations for your home theatre system in addition to operating the projector (PT-AE900U).
- Be sure to read this Remote Control Operating Guide carefully in order to use the devices safely.
- Also be sure to read the instructions for the projector and the home theatre system carefully when using the remote control.
- After reading this Operating Guide, keep it in a safe place for later reference.

TQBJ 0187

Features

This remote control can be used to operate home theatre system devices with a single remote control instead of the inconvenience of having to use several remote controls.

Note:
Do not use the remote control to operate any other equipment apart from your home theatre system.

- **Up to a maximum of 8 devices can be operated.**
  Up to a maximum of 8 devices (such as a projector, DVD player/recorder, video deck, TV and amplifier) can be operated.
  The selection buttons can be used to select a device in your home theatre system, and then you can operate the selected device using the remote control.
  At the time of purchase, the remote control is programmed with remote control signals for Panasonic products, so that such products can be operated with a single remote control.
- **Home theatre systems not manufactured by Panasonic can also be operated.**
  Remote control signals for many major home theatre system manufacturers including Panasonic have been recorded into the remote control.
  You can use the remote control to carry out remote control operations for the other devices simply by selecting the devices' model and code.
- **Remote control signals can be easily learnt**
  If no codes are available for the devices you are using, or if you would like to customise the functions that you use most frequently, you can use the remote control to learn functions.
  (The other device's remote control is required in order to carry out learning operations.)
- **Customised display of frequently-used functions on the LCD is possible**
  Function corresponding to the function buttons on the recorded devices can be displayed on the remote control's LCD.
  Up to 3 characters (alphabetical, numeric and symbols) can be entered for each function button that has been learnt to create your own preferred name to be displayed for that function.
- **You can make a macro to turn the power for selected devices on or off all at once**
  You can turn the power on and off simultaneously for up to 8 devices by pressing down the system power button for 3 seconds or more.
- **Backlight function**
  When you press the LIGHT button, the LCD and buttons illuminate so that you can operate the remote control comfortably even in dark places.

Note:
It may not be possible to operate some devices using this remote control.

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Names and functions of each part

✱ Buttons shown in this colour are buttons that can be used for learnt functions.

Projector power button
This turns the projector power on and off.

Liquid crystal display
The top shows the selected device, the bottom shows the functions of that device that can be operated.
(✱ ☞ pp. 20-21)

Function buttons (A/B/C)
These operate the displayed functions for the selected equipment.

MUTE button
This mutes the sound.

Channel button
This selects the channel.

Projector button
This switches the remote control functions to projector mode.

MENU button
This switches to menu mode for the selected equipment.

▲▼►◄ button
This moves the selection up or down or to the left or right.

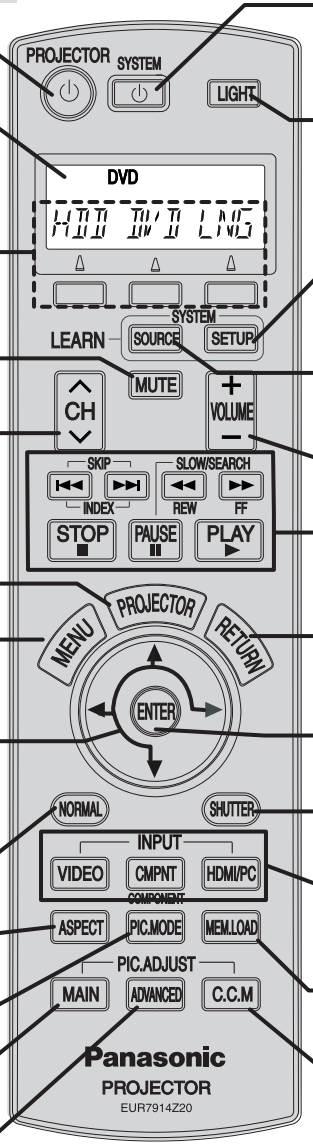
NORMAL button
This returns setting values to their factory defaults.

ASPECT button
This switches the aspect ratio.

PIC.MODE button
This switches to the image menu.

MAIN adjustment button
This displays the “PICTURE” menu.

ADVANCED adjustment button
This displays the “Advanced” menu.



System power button
This turns the power supply for equipment other than the projector on and off.

LIGHT button
Turn the backlight for this remote control on and off.

SETUP button
This switches to setup mode for the selected system equipment.

SOURCE button (✱ ☞ p.6)
This selects the equipment to be operated.

VOLUME button
This adjusts the sound volume.

DVD/video playback buttons
These buttons are used for functions related to DVD and video playback.

RETURN button
When a menu is displayed, this button returns to the previous menu.

ENTER button
This button accepts the selected item.

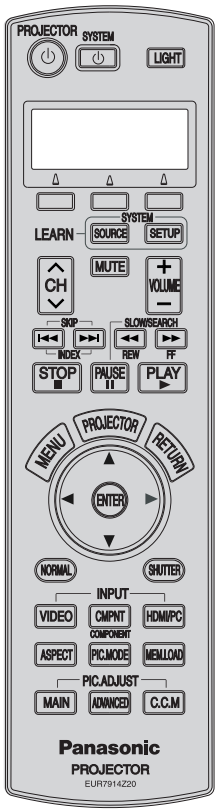
SHUTTER button
This button lets you momentarily hide images.

Input select buttons
These buttons select the input signals from connected equipment.

MEM.LOAD button
This displays the “Memory Load” menu.

C.C.M. (Cinema Color Management) button
This displays the “Color management” menu.

Operation

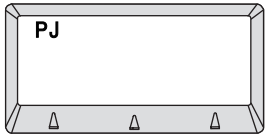


■ Operating the projector

1 Press the button for the desired operation.

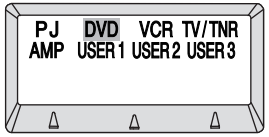
- **If operating home theatre system devices**

When you press [PROJECTOR], operation will switch from the home theatre system back to the projector.

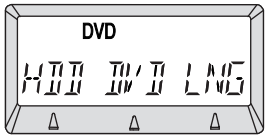


■ Operating the home theatre system

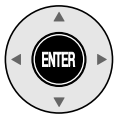
1 Press [SELECT].



2 Select the device to be operated and then press [ENTER].



(Example: When “DVD” is selected)



3 Press the button for the desired operation.

(Example: When [PLAY] is selected)

Note:

- At the time of purchase, the remote control is programmed with remote control signals for Panasonic products.
- If the devices you are using cannot be operated by using the default settings, refer to “Setting remote control signals for home theatre systems” (☞ p.7)
- The default settings for USER1-3 are for these settings to be empty.
- If you do not press anything for 10 seconds or more during this procedure, the LCD will switch off.
- If the light is on, it will switch off if no operations are carried out for 10 seconds or more.
- If the LCD switches off while a device is flashing as a result of a device selection, the last device selected will be the one that can be operated.

Setting remote control signals for home theatre systems

This remote control is programmed with remote control signals for Panasonic products at the time of purchase. If you would like to operate devices from other manufacturers, or if your Panasonic products cannot be operated, the following setting operations will be required.

Note:

- Do not use the learning function to record remote control signals from other learning remote controls that have been learnt by those remote controls. If this is done, operating errors may result.
- If no operations are carried out for 60 seconds or more during the setup stage, operation will time out and the setting mode will be cancelled.

■ Remote control signal learning methods

The following three remote control signal learning methods can be used.

Selecting and entering device codes ☞ p.8

Select from the device code list.

Setting home theatre system devices when you do not know the device code ☞ p.10

To learn remote control signals from devices that you do not know the device code for, set using the search function.

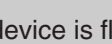
Learning remote control signals directly from home theatre system devices ☞ p.12

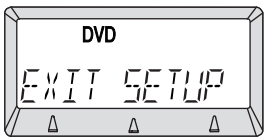
If operation is not possible using a device code, you can learn remote control signals directly from the home theatre system device.

Tip

If you would like to cancel a setting before it is complete··

Press [SETUP].



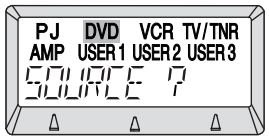


Setting remote control signals for home theatre systems

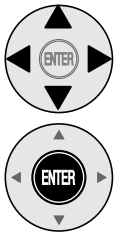
■ Selecting and entering device codes

Note:
- For device codes that have a power remote control signal, the power remote control signal for the device will be transmitted when the device code is selected. Turn the power for the device on as a test.
- Two or more equipment codes cannot be entered for the same device.
- Device codes cannot be entered for “PJ”.
- If the home theatre system device does not support this function, it will not operate when the buttons are pressed.

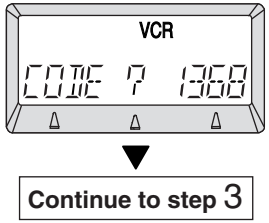
1 **Press [SETUP] for 3 seconds or more.**



2 **Select the device to be set and then press [ENTER].**



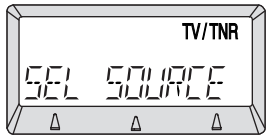
● When “DVD, VCR, AMP” is selected



Continue to step 3

● When “TV/TNR” is selected

2-1 **Select the device to be set and then press [ENTER].**

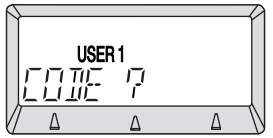


TV ◂▸ SAT ◂▸ CBL

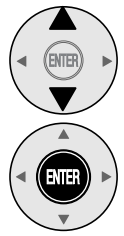
Continue to step 3

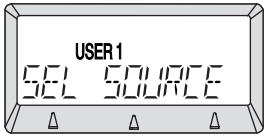
● When “USER 1-3” is selected

2-1 **Press [ENTER].**



2-2 **Select the device to be set.**



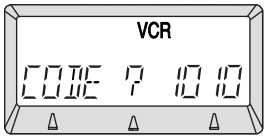


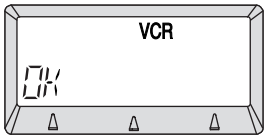
DVD ◂▸ SCREEN ◂▸ LIGHTING ◂▸ HVAC ◂▸ RCV
VCR ◂▸ TV ◂▸ CBL ◂▸ SAT ◂▸ AMP

✱ If “ERROR” is displayed

The remote control signal that you are trying to learn has already been registered, so the device code cannot be selected. To set a device code, clear the remote control signal that has been learnt. (☞ p.14)

3 **Select the desired device code while referring to the device code list (☞ p.24, 25), and then press [ENTER].**





When “USER 1-3” is selected

Press [SETUP] to finish.

Note:
- **If correct operation is not possible**
  If you find several code numbers when referring to the device code list, try setting one of the other numbers instead.

Setting remote control signals for home theatre systems

■ Setting home theatre system devices when you do not know the device code

When recording remote control signals for a home theatre system device when you do not know the device code for that device, you can use the search function to make the settings.

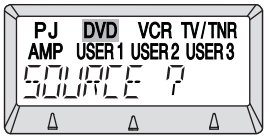
Search function

The search function transmits a power supply OFF signal, and searches for and sets compatible device codes.

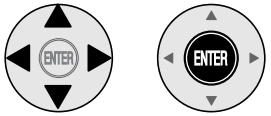
1 **Turn the power on for the home theatre system device that you would like to set.**

2 **Press [SETUP] for 3 seconds or more.**

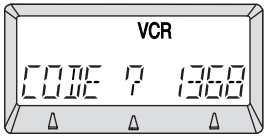
SETUP



3 **Select the device to be set and then press [ENTER].**



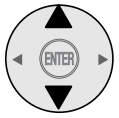
● When "DVD, VCR, AMP" is selected

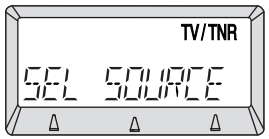


Continue to step 4

● When "TV/TNR" is selected

3-1 **Select the device to be set and then press [ENTER].**



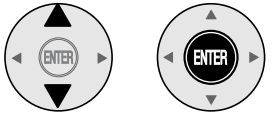


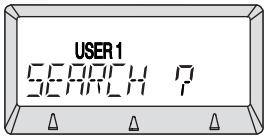
TV ◂▸ SAT ◂▸ CBL

Continue to step 4

● When "USER 1-3" is selected

3-1 **Press the up or down button to select "SEARCH?" and then press [ENTER].**

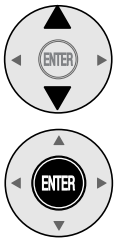


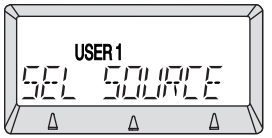


✱ If "ERROR" is displayed

The remote control signal that you are trying to learn has already been registered, so the device code cannot be selected. To set a device code, clear the remote control signal that has been learnt. (☞ p.14)

3-2 **Select the device to be set and then press [ENTER].**



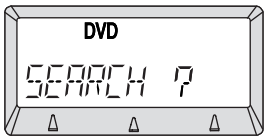


DVD ◂▸ SCREEN ◂▸ LIGHTING ◂▸ HVAC ◂▸ RCV
VCR ◂▸ TV ◂▸ CBL ◂▸ SAT ◂▸ AMP

Continue to step 5

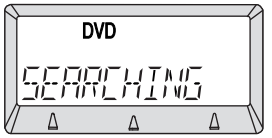
4 **Press [NORMAL].**

NORMAL



(Example: When "DVD" is selected)

5 **Point the remote control at the home theatre system device and press the up button once.**



✱ Repeat step 5 until the power turns off for the home theatre system device.

6 **Once the power for the home theatre system device turns off, press [ENTER].**

To finish, press [SETUP], and then check operation.

SETUP

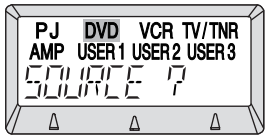
Setting remote control signals for home theatre systems

■ Learning remote control signals directly from home theatre system devices

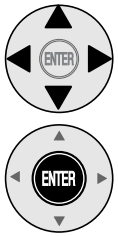
If operation is not possible using a device code, you can register other remote control signals for the USER 1-3 buttons.

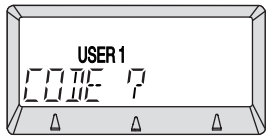
Note:
- Remote control signals that are not infrared-type (wave format) signals cannot be recorded.
- It may not be possible to record some types of signal.

1 Press [SETUP] for 3 seconds or more.



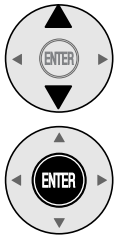
2 Select "USER 1-3" and then press [ENTER].

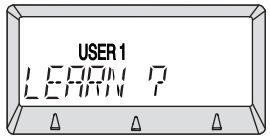




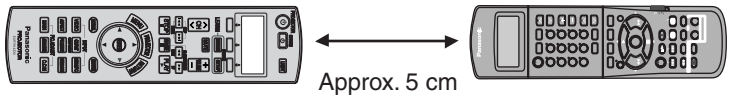
(Example: When "USER1" is selected)

3 Select "LEARN?" and then press [ENTER].





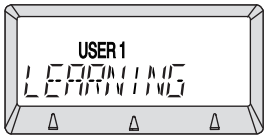
4 Place the projector's remote control next to the emitter of the home theatre system device's remote control.



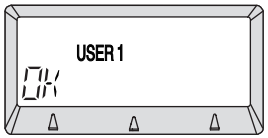
5 Press the button on the projector's remote control that you would like to record, and then after "LEARNING" is displayed, press the corresponding button on the home theatre system device's remote control.

(Projector's remote control) (Home theatre system device's remote control)

(Example: When learning the function of the playback button)



▼ After 5 seconds



∗ If "ERROR" is displayed
Learning could not be carried out correctly. Return to step 5 and repeat the learning operation.

∗ To record another button, repeat step 5.

To finish, press [SETUP], and then check operation.

Note:
- If the batteries of the remote control are spent, the signals will not be recorded correctly.
- Each button must be recorded separately.
- If no operations are carried out for 60 seconds or more during learning, the setting mode will be cancelled. To carry out learning correctly, repeat the procedure from step 1.
- When function buttons A/B/C have been learnt, "-A-, -B-, -C-" will be displayed, and you can edit the characters that are displayed here. (☞ p.16)

Tips on correct learning
- Do not move the remote control while learning is in progress.
- Place fresh batteries into both the projector's remote control and the other remote control before starting.
- Avoid carrying out the procedure in places that are exposed to direct sunlight or lights. (Interference may occur and cause errors in learning.)
- The position of the emitter will vary depending on the shape of the remote control. Place the projector's remote control correctly in front of the emitter, and at a distance of 5 cm.

Deleting home theatre equipment remote control signals

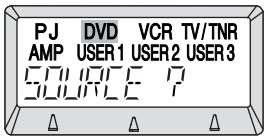
You can use either of two methods to delete remote control signals that have been recorded (learnt): by deleting button functions one by one (DELETE), or by deleting all settings for USER 1-3 (OPS RESET).

Note:
- If device codes have already been entered for USER 1-3, the device codes will not be deleted.

■ Deleting button functions one by one (DELETE)

1 Press [SETUP] for 3 seconds or more.

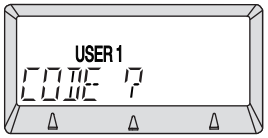
SETUP



2 Select “USER 1-3” and then press [ENTER].

ENTER

ENTER

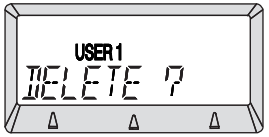


(Example: When “USER1” is selected)

3 Select “DELETE?” and then press [ENTER].

ENTER

ENTER



4 Press the button to be deleted.

PLAY

(Example: When deleting the function of the playback button)

∗ If “ERROR” is displayed

“ERROR” will be displayed if no function has been learnt.

∗ To delete another button, repeat step 4.

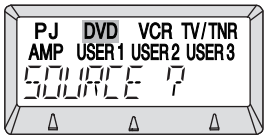
To finish, press [SETUP].

SETUP

■ Deleting all settings for USER 1-3 (OPS RESET)

1 Press [SETUP] for 3 seconds or more.

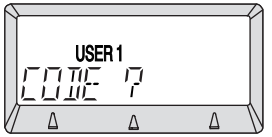
SETUP



2 Select “USER 1-3” and then press [ENTER].

ENTER

ENTER

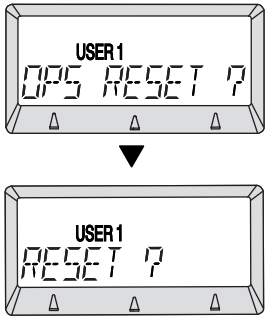


(Example: When “USER1” is selected)

3 Select “OPS RESET?” and then press [ENTER].

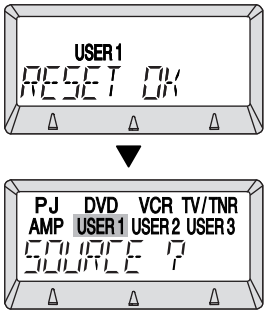
ENTER

ENTER



4 Press [ENTER].

ENTER



To finish, press [SETUP].

SETUP

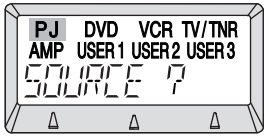
Changing the LCD display contents

When remote control signals for a home theatre system device have been learnt for the USER 1-3 function buttons, you can change the “-A-, -B-, -C-” displays on the LCD to your preferred displays.

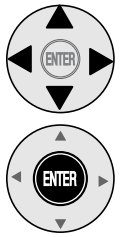
List of characters that can be displayed
Upper-case letters: A-Z Numerals: 0-9 Symbols: -, +, _, ✱, ?, space

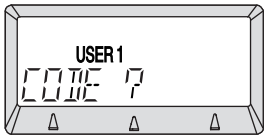
1 Press [SETUP] for 3 seconds or more.

SETUP



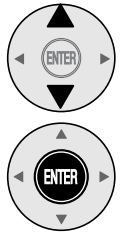
2 Select “USER 1-3” and then press [ENTER].

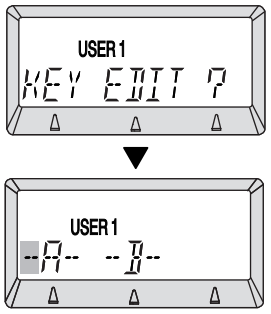




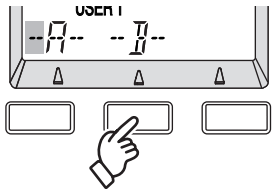
(Example: When “USER1” is selected)

3 Select “KEY EDIT?” and then press [ENTER].

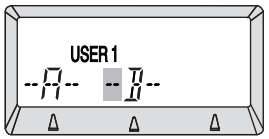




4 Press the button to be changed.



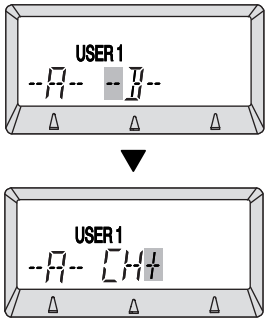
(Example: When function B has been selected)



5 Use the left and right keys to move to the character to be changed, and use the up and down keys to select the character.

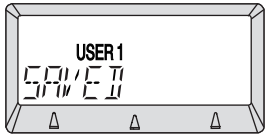
◀ ▶ : Display position

▼▲ : Character select



✱ During setting, the space character will be displayed as “ ”.
✱ To edit another character display, repeat steps 4 and 5.

6 Press [ENTER].



To finish, press [SETUP].

SETUP

Turning the power for home theatre system devices on and off at once

You can use the projector's remote control to turn the power on and off for home theatre system devices that have been recorded in the remote control.

Note:
- At the time of purchase, a macro for turning the power on and off for PJ, DVD, VCR and AMP all at once is set.

■ Using the macro function

Press and hold [SYSTEM] for 3 seconds or more.

▼

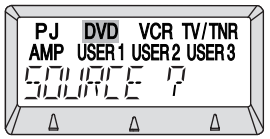
The power for the registered devices will turn on.

✱ The length of time required for the macro function to finish operating effectively will vary depending on the number of devices that have been recorded.

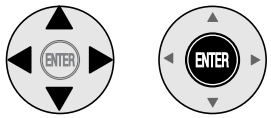
■ Setting the macro function

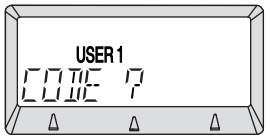
Note:
- If the distance that the projector's remote control has to operate is too far, or if the remove control receiver of the home theatre system devices are obstructed, this operation may not work correctly. Check the locations and directions of the home theatre system devices to make sure that they can all be operated.

1 Press [SETUP] for 3 seconds or more.



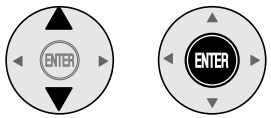
2 Select "USER 1-3" and then press [ENTER].

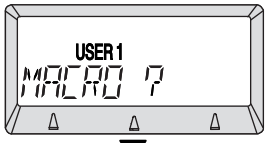




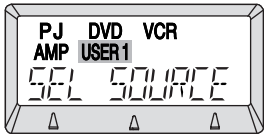
(Example: When "USER1" is selected)

3 Select "MACRO?" and then press [ENTER].



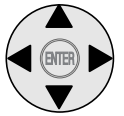


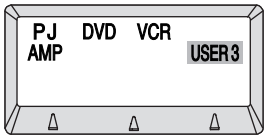
▼



✱ The display will show the devices that have been recorded by the macro.

4 Select the device to be registered.

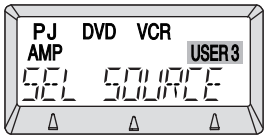




(Example: When "USER3" is selected)

✱ If a registered device is selected, the display will flash faster.

5 Press [SYSTEM].



(Example: When "USER3" is selected)

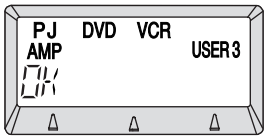
✱ If a registered device is selected, the display will flash faster.
✱ To register or delete another device, repeat steps 4 and 5.

Clearing the macro function

Press [SYSTEM] once more.

✱ The macro function will be cleared and the display will flash more slowly.

6 When you have finished selecting devices, press [ENTER].



To finish, press [SETUP], and then check operation.

LCD display list

■ Selected device displays

Selected device display	Corresponding device
PJ	Projector (PT-AE900E/U)
DVD	DVD player/DVD recorder
VCR	Video deck
TV/TNR	TV/Cable converter/Satellite receiver
AMP	Audio amplifier/Receiver
USER1/2/3	DVD, VCR, TV/TNR, AMP, other device (✱ may include devices that cannot be learnt)

■ Display messages

LCD display	Description
CODE ?	Indicates that the mode for setting device codes is selected.
CODE ? ****	Displayed when a device code (4 digits) has been selected and entered.
DELETE ?	Indicates that the mode for deleting learnt remote control signals is selected.
DELETED	Displayed when a learnt function has been deleted.
END	Displayed when code searching of the database is complete.
ERROR	Displayed when an error occurs. Redo the operation.
EXIT SETUP	Displayed when setup mode has been exited.
KEY EDIT ?	Indicates that the mode for editing the function button display characters is selected.
LEARN ?	Indicates that the mode for learning remote control signals has been selected.
LEARNING	Displayed while remote control signals are being learnt.
MACRO ?	Indicates that the mode for setting the macro function (simultaneous power control) has been selected.
OK	Displayed when an operation is completed correctly.
OPS RESET ?	Indicates that the mode for resetting the functions learnt for USER1/2/3 has been selected.
RESET ?	Displayed when you are to select whether or not to reset.
RESET ERROR	Displayed when an error occurs during a reset operation. Redo the operation.
RESET OK	Displayed when the reset operation is successful.
SAVED	Displayed when a button guide has been recorded.
SEARCH ?	Indicates that the mode for using the remote control signals to set a device code has been selected.
SEARCHING	Displayed while the search function is operating.
SEL SOURCE	Displayed when selecting a device type.
SOURCE ?	Displayed when selecting a device to be operated.
TIMEOUT	Displayed when no operations have been carried out for 60 seconds, and the procedure has timed out.

■ List of display characters

		Display character		Display character		Display character		Display character		Display character		Display character		Display character		Display character		Display character		Display character
Letters	A	A	B	B	C	C	D	D	E	E	F	F	G	G	H	H	I	I	J	J
	K	K	L	L	M	M	N	N	O	O	P	P	Q	Q	R	R	S	S	T	T
	U	U	V	V	W	W	X	X	Y	Y	Z	Z								
Numerals	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	0	0
Symbols	-	--	+	+	_	_	✱	✱	?	?	space									

■ Function button guide

Selected device	Corresponding device	Function button display	Description
DVD	DVD/DVD-R	HDD	Switch to hard disk (*1)
		DVD	Switch to DVD (*1)
		LNG	Audio select
VCR	VCR	REC	Recording
		EPG	Program list
		EXT	Menu screen clear
TV/CBL/SAT	TV/Cable Converter /Satelite Receiver	INP	Input select/Broadcast select
		EPG	Program list
		LNG	Audio select
AMP/RCV	Audio Ampliflier /Receiver	DVD	Switch input to DVD (*2)
		VCR	Switch input to VCR (*2)
		TV	Switch input to TV (*2)

Note:
- The displayed button guide may not match the operation for some devices.
- Remote control signals may vary depending on the device being set, even if the manufacturer is the same.

*1: If either the HDD or DVD function button display is blank, operation will be as follows.

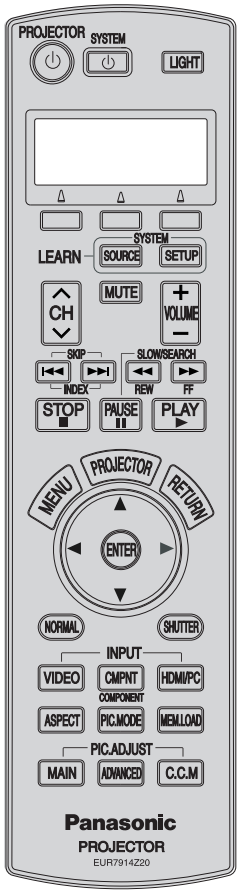
Selected device	Corresponding device	Function button display	Description
DVD	DVD/DVD-R	HDD	Switch to DVD and HDD in that order, or switch directly to HDD
		Empty	-
		LNG	Audio select
DVD	DVD/DVD-R	Empty	-
		DVD	Switch to DVD and HDD in that order, or switch directly to DVD
		LNG	Audio select

*2: The DVD, VCR or TV function button displays may operate as follows. (Select 1, 2 and 3 indicates input switches that differ depending on the selected device.)

Selected device	Corresponding device	Function button display	Description
AMP/RCV	Audio Ampliflier /tuner	DVD	Input switches to Input sequence select (+) or select 1
		VCR	Input switches to Input sequence select (-) or select 2
		TV	Input switches to select 3

Remote control function list

- : No signals are sent in the corresponding mode.
✱ : Remote control signals can be learnt.
(Operation may not be correct for some devices.)



Button display	Selected device	PJ	DVD		VCR	TV/CBL/SAT	AMP/RCV	USER1/2/3
	Device code at time of shipment	-	0490		1244	1333 (TV)	1308	(*4)
	POWER (PROJECTOR)	PROJECTOR POWER				PROJECTOR POWER		
	POWER (SYSTEM)	-	Power (*1)		Power (*1)	Power (*1)	Power (*1)	✱
	LIGHT	Backlight	Backlight		Backlight	Backlight	Backlight	Backlight
	Function A	-	HDD		REC	INP	DVD	✱ (*5)
	Function B	-	DVD		EPG	EPG	VCR	✱ (*5)
	Function C	-	LNG		EXT	LNG	TV	✱ (*5)
LEARN	SOURCE	Device select	Device select		Device select	Device select	Device select	Device select
	SETUP	Setup	Setup		Setup	Setup	Setup	Setup
CHANNEL	UP ∧	-	Channel +		Channel +	Channel +	Channel +	✱
	DOWN ∨	-	Channel -		Channel -	Channel -	Channel -	✱
	MUTE	Amp mute	Amp mute		Amp mute	Amp mute (*2)	Mute	✱ (*6)
VOLUME	+	Amp volume +	Amp volume +		Amp volume +	Amp volume + (*2)	Volume +	✱ (*6)
	-	Amp volume -	Amp volume -		Amp volume -	Amp volume - (*2)	Volume -	✱ (*6)
SKIP/INDEX	DOWN ⏮	-	Skip down		Skip (back)	Skip down (*3)	-	✱
	UP ⏭	-	Skip up		Skip (forward)	Skip up (*3)	-	✱
SLOW/SEARCH	FF ⏩	-	Slow/search		Fast-forward	Slow/search (*3)	-	✱
	REW ⏪	-	Slow/search		Rewind	Slow/search (*3)	-	✱
	STOP ■	-	Stop		Stop	Stop (*3)	-	✱
	PAUSE ⏸	-	Pause		Pause	Pause (*3)	-	✱
	PLAY ▶	-	Play		Play	Play (*3)	-	✱
	MENU	Menu	Menu		Menu	Menu	Menu	✱
	PROJECTOR	Switches to projector operation				Switches to projector operation		
	RETURN	Return	Clear		Return	Return	Return	✱
	▲	Up	Up		Up	Up	Up	✱
	▼	Down	Down		Down	Down	Down	✱
	◀	Left	Left		Left	Left	Left	✱
	▶	Right	Right		Right	Right	Right	✱
	ENTER	Enter	Enter		Enter	Enter	Enter	✱
	NORMAL	Normal	Projector function only			Projector function only		
	SHUTTER	Shutter	Projector function only			Projector function only		
INPUT	VIDEO	Video	Projector function only			Projector function only		
	CMPNT	Component	Projector function only			Projector function only		
	HDMI/PC	HDMI/PC	Projector function only			Projector function only		
	ASPECT	Aspect	Projector function only			Projector function only		
	PIC.MODE	Picture mode	Projector function only			Projector function only		
	MEM.LOAD	Memory load	Projector function only			Projector function only		
PIC.ADJUST	MAIN	Main	Projector function only			Projector function only		
	ADVANCED	Advanced	Projector function only			Projector function only		
	C.C.M	C.C.M	Projector function only			Projector function only		

Note:

*1: Some devices may not allow you to turn the power back on after it has been turned off.
*2: When “TV” has been selected, these can be used for volume mute, volume + and volume -.
*3: May not work for some devices.
*4: Select the device code to be set. Nothing is recorded at the time of purchase.
*5: When a device code has been set, the button guide is displayed when a remote control signal has been set for that button. Furthermore, when functions have been learnt, “-A-”, “-B-” and “-C-” are displayed as the defaults, and these LCD displays can be edited.
*6: If a TV, AMP or RCV has been set using a device code and the mode for the device has been set to DVD, VCR, CBL or SAT, these can be used for mute, volume + and volume - for the selected device’s amplifier.

Equipment code list

Manufacturer name	Equipment code
<DVD> DVD/DVD-R	
Panasonic	0490, 0503, 0703, 1010, 1011, 1362, 1462, 1490, 1762, 1834, 1905, 1908
DENON	0490, 1634
GE	0522, 0717
HITACHI	0573, 0664, 0695, 0713
JVC	0503, 0539, 0623, 0867, 1164, 1940
LG	0591, 0741, 0790, 0869
Marantz	0539
MITSUBISHI	0521, 0713, 1403
ONKYO	0503, 0627
Philips	0503, 0539, 0646, 0675, 1158, 1818
Pioneer	0490, 0525, 0571, 0631, 1965
SAMSUNG	0490, 0573, 1075, 1928
SANYO	0670, 0695, 0713
SHARP	0630, 0675, 0713, 0752, 1256, 2015, 2024
SONY	0533, 0573, 0864, 1033, 1070, 1431, 1981, 2020
TOSHIBA	0503, 0695, 1045, 2006
YAMAHA	0490, 0539, 0545, 0646
<VCR> VCR	
Panasonic	0226, 0616, 0836, 1244, 1515, 1516, 1562
GE	0048, 0226, 0320
HITACHI	0000, 0037, 0042, 0081
JVC	0045, 0067, 0081
Kenwood	0067
LG	0037, 0042, 0045
MITSUBISHI	0000, 0043, 0048, 0067, 0081, 0642
Philips	0000, 0081, 0226, 0618, 0739
Pioneer	0042, 0067, 0081
SAMSUNG	0045, 0432, 0739
SANYO	0048, 0067, 0104, 0348
SHARP	0037, 0048
SONY	0000, 0032, 0034, 0636, 1972
TOSHIBA	0042, 0043, 0045, 0067, 0081, 0352, 0432, 1503, 1972
Victor	0067

Manufacturer name	Equipment code
<TV> TV	
Panasonic	0037, 0108, 0208, 0226, 0508, 0548, 0650, 0853, 1333, 1334, 1650
Bang & Olufsen	0565
GE	0093, 0178, 0560, 0625
HITACHI	0037, 0108, 0178, 0480, 0481, 0508, 0548, 0578, 0634, 1037
JVC	0093, 0508, 0606, 0650, 0653
LG	0037, 0108, 0178, 0556, 0714
MITSUBISHI	0037, 0093, 0108, 0178, 0512, 0556, 1037
Philips	0037, 0108, 0178, 0512, 0556
Pioneer	0037, 0170, 0486, 0512, 0760
SAMSUNG	0037, 0093, 0178, 0208, 0226, 0370, 0556, 0587, 0618
SANYO	0108, 0170, 0208, 0370, 0508
SHARP	0093, 0650, 1163, 1193
SONY	0037, 0093, 0170, 0650, 1505, 1651
Thomson	0037, 0335, 0560, 0625
TOSHIBA	0093, 0195, 0508, 0618, 0650, 0714, 1163, 1508
Victor	0650, 0653
<CBL> Cable Converter	
Panasonic	0000, 0008, 0107, 0375, 1488
Fujitsu	1497
LG	0144
Motorola	0476, 1376, 1483
NEC	1496
Pioneer	0144, 0533, 1500, 1877
Scientific Atlanta	0008, 0237, 0477, 1877
SONY	1006
TOSHIBA	0000

Manufacturer name	Equipment code
<SAT> Satellite Receiver	
Panasonic	0247, 0500, 0701, 0847, 1104, 1304, 1320, 1404, 1508
GE	0392
HITACHI	0819, 1284
JVC	0775, 1507
Marantz	0200
Pionnier	0329, 0352, 0853, 1308
SAMSUNG	0853, 1017, 1108, 1142, 1243, 1244, 1293, 1458, 1570
SONY	0282, 0500, 0639, 0847, 0853, 1639
Thomson	0392, 0713, 0820, 0847, 0853, 1175, 1291, 1498
TOSHIBA	0819, 1749
<AMP>/<RCV> Audio Amplifier/Receiver	
Panasonic	0309, 1288, 1308, 1316, 1518, 1548, 1633, 1763, 1764, 1765
Aiwa	0121, 1089
Bang & Olufsen	0799
BOSE	1357, 1629
DENON	0121, 1104, 1360
JVC	0074, 1495
KENWOOD	0186, 0712, 1313
Marantz	0891, 1089, 1189, 1269, 1289
ONKYO	0135, 1298, 1320
Philips	0891, 1089, 1189, 1269, 1289, 1673
Pioneer	0186, 1023, 1459, 1623, 1656
SAMSUNG	1424
SANYO	1801
SHARP	0186, 1614
SONY	1112, 1158, 1441, 1622, 1658, 1722, 1759, 1822, 1858
Technics	0309, 1308, 1309, 1518, 1633, 1763, 1765
Victor	0074
YAMAHA	0176, 0186, 0712, 1276, 1331

Manufacturer name	Equipment code

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