

SONY

3-756-148-25 (2)

Remote Commander

RM-V10

Operating Instructions

Before operating the unit, read this manual thoroughly and retain it for future reference.

Note You will need this manual if you plan to use this Commander with components you may purchase in the future.

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Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

SONY®**LIMITED WARRANTY**

SONY CORPORATION OF AMERICA ("SONY") warrants this product against defects in material or workmanship, as follows:

For a period of 1 year from the date of retail purchase, SONY shall at its sole and absolute option either repair the defective product at no charge or replace the defective product with the same model or its equivalent model at no charge through a SONY SERVICE CENTER.

To obtain warranty service, you must take the product, or deliver the product prepaid, to one of the SONY SERVICE CENTERS located in the United States.

Proof of purchase in the form of a bill of sale or receipted invoice, which indicates that the product is within the warranty period, must be presented to obtain warranty service. SONY suggests that the purchaser retain the dealer's dated bill of sale as evidence of the date of retail purchase.

This warranty does not cover cosmetic damage, and damage to any part of the product, including the antenna, which results from acts of God, accident, misuse, abuse, improper maintenance, or connection to an improper voltage supply.

This warranty is valid only if the serial number appears on the product. This warranty is valid only in the United States of America.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership SM within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Please refer to the list of SONY SERVICE CENTERS on the reverse side for the SONY SERVICE CENTER nearest you.

For your convenience, Sony Corporation of America has established the Customer Information Center to supply you with product or service information.

SONY CUSTOMER INFORMATION CENTER**201-930-SONY (7669)****714-821-SONY (7669)****708-250-SONY (7669)**

or write to:

SONY CUSTOMER INFORMATION CENTER

Sony Drive, Mail Drop #T1-11

Park Ridge, New Jersey 07656

SONY CORPORATION OF AMERICA

Sony Drive, Park Ridge, New Jersey 07656

Setting Up the Remote Commander

This Remote Commander is preset at the factory to operate Sony TVs (code no.01), VHS VCRs (code no. 02) and cable boxes (no code no.).

To use this Remote Commander with other (non-Sony) manufacturer's TVs, VCRs and cable boxes, follow the procedures below.

To Set Up the Remote Commander

- 1 Look at the tables to the right, and locate the two-character code number for your component (TV, VCR, TV/VCR combination unit, cable box).

If more than one code number is listed, try the first code number to complete the steps that follow. If the Commander does not work, try the next code number, and so on, until it works.

If you're setting up a TV/VCR combination unit, you will need both sets of code numbers, listed in the table as "TV/VCR Comb."

- 2 **Press and hold down** the POWER button of the component you want to set up. For example, to set up the Commander to operate a TV, **press and hold down** the TV POWER button.
- 3 While keeping the POWER button pressed, press and release the button for the first character of the code number. Then press and release the button of the second code number.
- 4 Release the POWER button you pressed in step 2.

For example, to set up the Commander to operate a Sanyo VCR:

- 1 Find the code number (14) for Sanyo VCR in the table to the right.
- 2 **Press and hold down the VCR POWER button.**
- 3 Press and release the 1 button. Then press and release the 4 button.
- 4 Release the VCR POWER.

If you make a mistake, or if you need to reset the code number, start again from step 1. The previous code for that mode only—VCR, TV or cable box—is automatically erased.

VCR and TV Code Numbers

Manufacturer	Component	Code number
SONY	VCR	01 (VTR1: Betamax) 02 (VTR2: 8 mm) 03 (VTR3: VHS)
	TV	01
DAEWOO	VCR	04, 20, 36
	TV	04, 27, 28
	TV/VCR Comb.	28 (TV), 36 (VCR)
EMERSON	VCR	21, 29, 32, 35, 38
	TV	03, 04, 14, 20, 30, 32
	TV/VCR Comb.	28 (TV), 35, 38 (VCR)
FISHER	VCR	09, 10, 11, 14
	TV	11
FUNAI	VCR	28
	TV	04, 07, 37
GENERAL ELECTRIC	TV	06, 10
	TV	24
GOLDSTAR	VCR	24
	TV	03, 04, 12, 17
	TV/VCR Comb.	24 (VCR) & TV code
HITACHI	VCR	06, 07
	TV	02, 03, 04, 29
JVC	VCR	15
	TV	09
KTV	TV	03, 04, 14, 26, 31
	TV	03, 04, 14, 26, 31
LXI (SEARS)	VCR	06, 09, 11, 14, 24
	TV	04, 07, 08, 10, 11, 12
MAGNAVQX	VCR	04, 05, 08
	TV	03, 04, 08, 12
MITSUBISHI	VCR	17, 18, 25, 26
	TV	04, 12, 13
NEC	VCR	15, 22, 30
	TV	04, 12
PANASONIC	VCR	04, 05
	TV	06
	TV/VCR Comb.	04 (VCR), 06 (TV)
PHILCO	VCR	04, 05
	TV	03, 04, 08
PHILIPS	VCR	04, 05, 08
	TV	08
PIONEER	TV	16
QUASAR	VCR	04, 05
	TV	06

Manufacturer	Component	Code number
RCA	VCR	04, 05, 06, 07, 08, 19, 20, 23
	TV	04, 10, 21, 22, 23, 24, 25
SAMSUNG	VCR	23, 31, 41
	TV	03, 04, 12, 19
	TV/VCR Comb.	41 (VCR), 33 (TV)
SANYO	VCR	14
	TV	11
SHARP	VCR	12, 13
	TV	03, 05, 18
SHINTOM	VCR	33
SYLVANIA	VCR	04, 05, 08
	TV	04, 08, 12
SYMPHONIC	VCR	28
	TV	14
	TV/VCR Comb.	28 (VCR), 14 (TV)
TOSHIBA	VCR	19, 20
	TV	07
ZENITH	VCR	16
	TV	15

Cable Box Code Numbers

Manufacturer	Code number
HAMLIN/REGAL	74, 86, 92, 96, 97
JERROLD	60, 61, 62, 63, 64, 65, 90, 91
OAK	93, 94, 95
PANASONIC	78, 79, 98
PIONEER	69, 70
SCIENTIFIC ATLANTA	66, 67
TOCOM	71, 72
ZENITH	68, 88

Notes

- Use the label (supplied) to write down the code numbers of your components. Then affix the label to the back of the Commander.
- The Commander can be set up to operate only one component of each category (TV, VCR, cable box) at a time—unless their code numbers are the same. For example, you cannot set up the Commander to operate a Sony TV and a Panasonic TV at the same time.
- Some models of TVs, VCRs and cable boxes may not work with this Commander. If, after trying all the code numbers listed, the Commander will not operate your TV, VCR or cable box, call 1-800-822-2217.

Using the Remote Commander

After you've set up the Remote Commander, you're ready to use it. The buttons are color-coded to make the Commander easier to use.

- Buttons that operate cable boxes have blue dots.
- Buttons that operate VCRs have yellow dots.

To Use the Remote Commander

- 1 Point the Commander directly at the component you want to operate TV, VCR or cable box.
- 2 Press the button for the function you want to use.

To tune (change channels), you must first select the component whose channel you want to change, as follows:

- To select your TV's tuner, press and release the TV/CABLE MODE button. To select your cable box, press and release this button again. (The TV/CABLE MODE button toggles back and forth between TV and Cable modes. If you're not sure which mode the Commander is in, press this button, and then try the CH+ or CH- button.)
- To select your VCR's tuner, press and release the VCR MODE button.



Note: You do not need to press the VCR MODE button in order to access the tape operation buttons (rewind, play, fast-forward, record, stop and pause). These buttons are accessible at all times, regardless of the mode the Commander is in.

See the list for descriptions the buttons on the Commander.













Notes

- Using this Commander will not increase the functions of your TV, VCR or cable box. The functions of the Commander are limited to the functions of the TV, VCR or cable box itself. For example, if your TV does not have a RECL function, the RECL button on this Commander will not function with your TV.
- You can operate a TV, VCR and a cable box all at the same time by switching from TV, VCR and cable box modes.
- When you press the TV/CABLE mode button, the Commander enters TV and cable box modes alternately.
- When you press the TV/CABLE mode button when you are in VCR mode, the Commander returns to the mode it was in (TV or cable box) prior to being in VCR mode.
- If your cable box can control volume, be sure to set its volume control to a medium position. If the volume of the cable box is turned down completely, you will not be able to adjust the volume with the Commander.

Remote Button Descriptions

Remote button	Operates	Function
CABLE POWER*	Cable box	Turns on and off cable box.
VCR POWER	VCR	Turns on and off VCR.
TV POWER	TV	Turns on and off TV.
MUTE	TV	Mutes volume on TV. Press again to turn the MUTE off.
DISPLAY	TV	Displays the current channel on TV.
TV/VIDEO	TV VCR	Changes input mode.
1 through 9, 0	TV VCR Cable box	Changes the channel, used with ENT (Enter) button. For example, to go to channel 5, press 0 and then 5 and ENT. (You can also change the channel with CH +/-.)
 (recall)	TV	Functions as the JUMP, FLASHBACK or CHANNEL RETURN button depending on the TV's manufacturer.
 (enter)	TV VCR Cable box	Used with 0 - 9 buttons to change the channels. For example, to go to channel 5, press 0 and then 5 and this button. (You can also change the channel with CH +/-.)

* If your cable box is a Scientific Atlanta model that does not have a power-on button, you can turn on the cable box by pressing the channel up or Channel down button on the Commander.

Remote button	Operates	Function
	VCR	Rewind.
	VCR	Play.
	VCR	Stop.
	VCR	Fast-forward.
	VCR	Record. To record, press  while pressing  . First release  , then release  .
	VCR	Pause.
TV/CABLE mode	TV Cable box	Enters TV mode and cable box mode alternately.
VCR MODE	VCR	Enters VCR mode.
 CH	TV VCR Cable box	Channel up: + Channel down: -
 VOL	TV	Volume up: + Volume down: -

Specifications

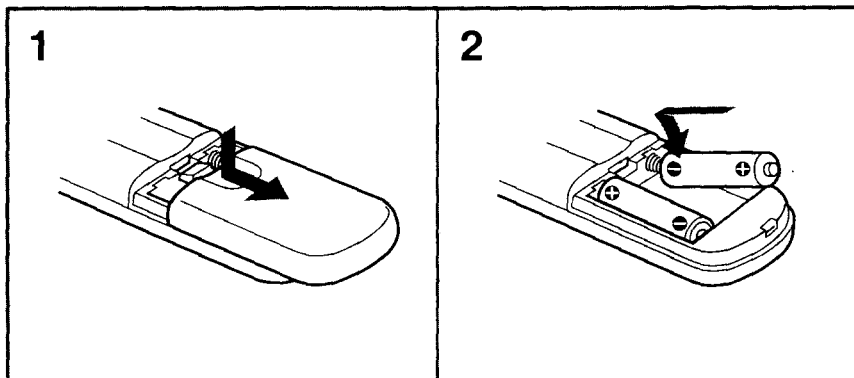
Operable distance	Approx. 23 ft. (7 m) (varies depending on the component of each manufacturer)
Power requirements	Two size AA (R6) batteries (not supplied)
Battery life	Approx. six months (varies depending on frequency of use)
Dimensions	Approx. $1\frac{3}{4} \times 7\frac{3}{8} \times \frac{3}{4}$ in. (w/h/d) ($44 \times 185 \times 19$ mm)
Mass	Approx. 2 oz. (65 g) (not including batteries)
Supplied accessory	Label (1)

Design and specifications subject to change without notice.

Installing the Batteries

To set up the Remote Commander, install two size AA (R6) batteries (not supplied).

To Install the Batteries



About battery life

Under normal operation, batteries will last up to half a year. If the Remote Commander does not operate properly, the batteries might be worn out. Replace both of them with new ones.

Notes on batteries

- Insert two size AA (R6) batteries by matching the + and – on the batteries to the + and – in the battery compartment.
- Do not mix old batteries with new ones or different types of batteries together.
- Whenever you remove the batteries—to replace them, for example—the code numbers you've set are automatically erased and must be reset.
- If the electrolyte inside the battery should leak, wipe the contaminated area of the battery compartment with a cloth and replace the old batteries with new ones.
- When the Commander is not to be used for a long period of time, remove the batteries.