

SONY

Remote Commander RM-V40A

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English

For the customers in the U.S.A.

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.

Setting Up the Remote Commander

Before you can start using the Commander, you must first set it up. This manual describes everything you need to know to set up the Commander, including:

- Installing the batteries.
- Presetting the Commander with the codes for your TV, VCR, Cable box, DBS tuner, and other audio components.

About Presetting the Commander

The Commander is preset at the factory to operate Sony brand components.

If you're using the Commander with a Sony component, you won't need to preset the Commander before you start using it. To set up the Commander to use with other (non-Sony) manufacturers' components, or to use with a component that is not preset at the factory, you'll need to follow the instructions in this manual to preset the Commander with the correct code number for your components. (See the supplied "Component Code Numbers" also.)

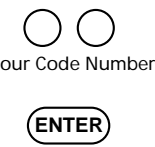
Position	Factory setting	Component that can be preset
TV	Sony TV	TV
VCR	Sony VHS VCR	VCR
CBL	—	Cable box/DBS tuner/Receiver/CD player/Tape deck/MD deck/DAT deck/TV/VCR
AV1	Sony Receiver	Receiver/CD player/Tape deck/MD deck/DAT deck/TV/VCR
AV2/DBS	Sony DBS tuner	

Notes

- The Commander can be set up to operate only one component on each position of the slide switch – unless their code numbers happen to be the same. For example, you cannot set up the Commander to operate a Sony TV and a Panasonic TV simultaneously (because they use different code numbers).
- You may not be able to operate even a Sony brand component with the factory presetting. In such a case, follow the procedure in "Setting the Code."

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- Enter the component's code number. For example, if you're entering the code for a Philips' VCR, you would press and release 1, then press and release 3.



- Press and release the ENTER button to store the code number in the Commander's memory.
- Go to "Step 2: Checking if the Code Number Works" to finish setting up.

Step 2: Checking if the Code Number Works

- Power on the component you want to set up.
- Aim the Remote Commander at the component and press a button to check if that button works. For example, press the POWER button on your component.
- Check that the other buttons of the Commander is operating the corresponding functions of the component.

If the Commander Doesn't Seem to Be Working...

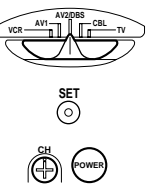
- First, try repeating these setup procedures using the other codes listed for your component (see the supplied "Component Code Numbers").
- If – after trying all the codes listed for your component – you still cannot get the Commander to work properly, try the search method described in "Searching for the Correct Code."

Tip
Use the label (supplied) to write down the code numbers of your components. Then affix the label to the back of the Commander.

Searching for the Correct Code

If you've tried all the code numbers listed for your component and you still cannot get the Commander to work (or if your component is not listed in the "Component Code Numbers" table), try these steps.

- Power on the component you want to set up. Insert a tape or disc if necessary.
- Set the slide switch on the commander to the position that corresponds to the component.
- Press the SET button with a ball-point pen tip etc., and release it.
- Press and release the CH+ button. Then press and release the POWER button.
- Repeat step 4 until the correct code number is found. Each time you press the CH+ button and then the POWER button, a new code number will be transmitted. Keep trying until your component operates by receiving the transmitted signal from the Commander (e.g., the power turns off, the CH+ function works, playback starts, etc.). Be patient as you do this; it may take 50 or 60 tries until the correct code number is located.
- When the correct code is found, press and release the ENTER button to store the code number in the Commander's memory.
- Check that the Commander is operating the other functions of your component by pressing the corresponding buttons on the Commander. If they seem to be working properly, you're done setting up the Commander.



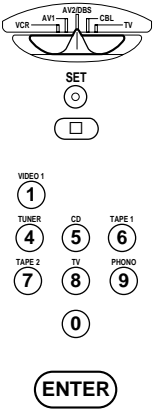
If the component does not operate properly, repeat steps 1 to 6 and search for another code. As the searching always starts from 01, it will stop again at the same code as the last searching. Pass the code and continue searching until the next code by which the component operates.

If you still cannot get the Commander to work properly, see "Troubleshooting."

Changing the Component Type on the AV1, AV2/DBS and CBL Positions

At the factory, "receiver" is assigned on the AV1 position, "DBS tuner" on the AV2/DBS position, and "cable box" on the CBL position. By completing the following procedure, you can change this setting so that you can set up any component on these positions.

- Set the slide switch to the AV1, AV2/DBS or CBL position.
- Press the SET button with a ball-point pen tip etc., and release it.
- Press and release the **■** (stop) button.
- Press and release one of the following buttons:
 - 1 to assign a VCR
 - 4 to assign a receiver
 - 5 to assign a CD player
 - 6 to assign a tape deck
 - 7 to assign an MD deck or a DAT deck
 - 8 to assign a TV
 - 9 to assign a Cable box
 - 0 to assign a DBS tuner
- Press and release the ENTER button.



Controlling the Volume of Video Components Connected to an Audio System

The Commander is factory preset based on the assumption that you hear the sound of your video components from your TV's speakers, and that you hear the sound of your audio components from the loudspeakers connected to your receiver (or amplifier).

Factory Setting:

Position of the slide switch	Controls the volume of
TV	TV
VCR	TV
CBL*	TV
AV1	Receiver (or amplifier)
AV2/DBS*	TV

* If you assign an audio component on the CBL or AV2/DBS position, you can control the volume of the receiver (or amplifier) on the AV1 position. If you assign video components on these positions, you can control the volume of the TV.

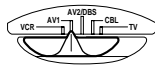
Thus you can control the volume of your TV or receiver (or amplifier) while operating a video or audio component without first having to change the slide switch to TV or AV1 position. For example, to control the volume for your VCR channels, you don't need to change the slide switch to the TV position. However, if your video components are connected to an audio system, you probably hear your TV's or VCR's sound from the loudspeakers connected to your receiver (or amplifier), not from your TV speakers. In this case, you need to change the factory setting so that you can control the volume of your video components without first having to switch to the receiver (or amplifier). To change the factory setting for the volume control, follow the procedures below.

Note

This feature is effective only when a receiver or amplifier is set up on the AV1 position. You cannot control the volume of a receiver (or amplifier) set up on CBL or AV2/DBS position while operating a component of another position.

Changing the Factory Setting for the Volume Control

- Set the slide switch to the AV1 position.



- Press the SET button with a ball-point pen tip, etc. and release it.



- Press the VOL+ button.
- Press the ENTER button. The volume control setting is changed to "Receiver/amplifier." You can control the volume of the receiver (or amplifier) of the AV1 position while selecting any component.



Notes

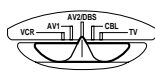
- If you are using more than one receiver (or amplifier) and have set it on the CBL or AV2/DBS position, from those positions you cannot control the volume of the receiver (or amplifier) of the AV1 position.
- If you change the setting of the AV1 position to a component other than a receiver or amplifier, the volume control setting of video components will return to "TV" even if you have changed the factory preset volume control. In this case, you will not be able to control the volume from audio components other than a receiver or amplifier.

To reset to factory preset volume control

In step 3 above, press VOL- instead.

Operating a Component

- Make sure that the slide switch is set to the position that corresponds to your desired component.
- Point the Commander directly at the component.
- Press the button for the function you want to use.



See "Remote Button Descriptions" for complete descriptions of the buttons on the Commander.

Notes on Using the Remote Commander

- Basically, use this Commander in the same way as the Commanders supplied with your components.
- Using this Commander will not increase the functions of your components. The functions of the Commander are limited to the functions of the components themselves. For example, if your TV does not have a MUTING function, the MUTING button on this Commander will not function with your TV.
 - Some functions of the component may not work with this Commander.
 - If your cable box can control volume, be sure to set its volume switch to a medium position. If the volume on the cable box is turned down completely, you will not be able to adjust your TV's volume with the Commander.

Specifications

Operable distance	Approx. 7 m (23 ft) (varies depending of the component of each manufacturer)
Power requirements	Two size AA (R6) batteries (not supplied)
Battery life	Approx. 6 months (varies depending on frequency of use)
Dimensions	Approx. 60 × 207 × 41.5 mm (w/h/d) (2 1/2 × 8 1/4 × 1 11/16 in.)
Mass	Approx. 100 g (3.5 oz.) (not including batteries)
Supplied accessory	Label (2)

Design and specifications are subject to change without notice.

Remote Button Descriptions

Operating a TV

-
- To turn on and off.
 - To change the input mode.
 - To change the channel. For example, to change to channel 5, press 0 and 5 (or press 5 and ENTER).
 - To display the current channel on TV.
 - To call up the MENU display
 - To enter the selection.
 - To move the cursor to the left.
 - To move the cursor downward.
 - Volume up: +
 - Volume down: -
 - To operate the Picture-in-Picture function. Pressing each button while pressing the PIP button operates as the table below.
 - To mute the volume on the TV.
 - To switch to TV operation. Set to the position on which the TV is assigned. (TV, AV1, AV2/DBS, or CBL)
 - To set up the Commander.
 - To operate SLEEP function on the TV. (Works only for a TV with the SLEEP function.)
 - To change the channel. For example, to change to channel 5, press 5 and ENTER.
 - To move the cursor upward.
 - To move the cursor to the right.
 - Channel up: +
 - Channel down: -
 - To operate JUMP, FLASHBACK or CHANNEL RETURN function on the TV depending on the setting of the TV's manufacturer.

PIP operations

Press	To
PIP and DISP	Turn on/off the "window" picture.*
PIP and ENTER	Turn off the "window" picture.
PIP and CH+ or CH-	Change the TV channel in the "window" picture.
PIP and TV/VIDEO	Change the input mode of the "window" picture.
PIP and 1	Move the location of the "window" picture.
PIP and 2	Swap the "main" picture and the "window" picture.
PIP and 3	Freeze the "window" picture.

* If the "window" picture does not turn off this way, try pressing ENTER while pressing PIP.

Operating a VCR

-
- To turn on and off.
 - To change the input mode.
 - To change the channel. For example, to change to channel 5, press 0 and 5 (or press 5 and ENTER).
 - To display the on-screen menu (Sony VCR only).
 - To record, press **▶** while pressing **●**.
 - To play.
 - To rewind.
 - To pause.
 - To stop.
 - To switch to VCR operation. Set to the position on which the VCR is assigned. (VCR, AV1, AV2/DBS, or CBL)
 - To set up the Commander.
 - To change the channel. For example, to change to channel 5, press 5 and ENTER.
 - To fast-forward.
 - Channel up: +
 - Channel down: -

Operating a Cable box

-
- To turn on and off.
 - To set up the Commander
 - To change the channel. For example, to change to channel 5, press 0 and 5 (or press 5 and ENTER.)
 - To switch to cable box operation. Set to the position on which the cable box is assigned. (CBL, AV1, or AV2/DBS)
 - To change the channel. For example, to change to channel 5, press 5 and ENTER.
 - Channel up: +
 - Channel down: -
 - To operate JUMP, FLASHBACK or CHANNEL RETURN function on the TV depending on the setting of the TV's manufacturer.

Notes

- There may be cases you may turn on/off the cable box by pressing the CH+ or CH- buttons on the Commander.
- If your cable box can control volume, be sure to set its volume control to a medium position. If the volume on the cable box is turned down completely, you will not be able to adjust your TV's volume with the Commander.

Operating a DBS tuner

-
- To turn on and off.
 - To switch the output of the DBS receiver to the TV. (When you connect a TV cable or antenna to the receiver, the output switches between a TV and DBS program.)
 - To call up the MENU display.
 - To scroll through the Master Guide.
 - To switch to DBS operation. Set to the position on which the DBS is assigned. (AV2/DBS, AV1, or CBL)
 - To bring up the Station Index.
 - To change the channel. For example, to change to channel 5, press 0 and 5 (or press 5 and ENTER).
 - To change the channel. For example, to change to channel 5, press 5 and ENTER.
 - To bring up the Master Guide.
 - To select the channel that's highlighted.
 - To bring up the Station Index when a program guide is not displayed.
 - Channel up: +
 - Channel down: -
 - To page through the guide when a program guide is displayed.
 - To tune to the last tuned station.

Operating a Receiver

-
- To turn on and off.
 - To set up the Commander.
 - To select the input source:
 - 1selects VIDEO 1
 - 2selects VIDEO 2
 - 3selects AUX
 - 4selects TUNER
 - 5selects CD
 - 6selects TAPE 1
 - 7selects TAPE 2
 - 8selects TV
 - 9selects PHONO (0 switches to another input source by each pressing)
 - Volume up: +
 - Volume down: -
 - To mute the volume on a receiver.
 - To switch to Receiver operation. Set to the position on which the Receiver is assigned. (AV1, AV2/DBS, or CBL)
 - Presetting frequency up: +, down: -
 - Tuning frequency up: +, down: -
 - To shift band (FM/AM).

Operating a CD player, an MD deck or a DAT deck

-
- To turn on and off.
 - To set up the Commander.
 - To select the track number. 0 selects track 10.
 - To select track numbers above 10, see the descriptions on the DISP button below.
 - To select numbers 10 and above. For example, to select track 15, press DISP and then press 5.
 - To record, press **▶** while pressing **●** / First release **▶**, then release **●**. (MD and DAT deck only)
 - To pause.
 - To select the previous track.
 - To stop.
 - To switch to CD, MD, or DAT operation. Set to the position on which the desired component is assigned. (AV1, AV2/DBS, or CBL)
 - To play.
 - To select next track.
 - To select next disc. (CD player and MD deck only)

Operating a tape deck

-
- To set up the Commander.
 - To select the tape deck and direction:
 - 1selects Deck A (dual cassette deck only).
 - 2selects Deck B (dual cassette deck only).
 - 0functions as **◀** REV button, or switches play sides. (The other buttons do not have assigned functions)
 - To record, press **▶** while pressing **●** / First release **▶**, then release **●**.
 - To pause.
 - To rewind.
 - To stop.
 - To switch to tape deck operation. Set to the position on which the tape deck is assigned. (AV1, AV2/DBS, or CBL)
 - To play.
 - To fast-forward.
 - To select the tape deck: deck A or deck B (dual cassette deck only**).

* If your deck's commander has two sets of tape operating buttons and has no A/B button for deck selection, use the numeric buttons (1 and 2): button 1 selects Deck A, and button 2 selects Deck B.

**If the deck's commander has one set of tape operating buttons, and has an A/B button for the deck section, use the RECALL button to select Deck A or B.

Troubleshooting

If you have problems setting up or using the Commander:

- When setting up the Commander, carefully go through the procedures described in "Setting the Code." If the code that's listed first for your component doesn't work, try all the codes for your component - in the order in which they're listed. If all the codes fail to work (or if your component is not listed in this manual), try using the procedures in "Searching for the Correct Code."
- Check that you're aiming the Commander directly at the component, and that there are no obstructions between the Commander and the component.
- Make sure the batteries you're using are not worn out, and that they're inserted correctly.
- Check that the slide switch is set to the component you want to control.
- Check that the component has infrared remote capability. For example, if your component didn't come with a remote commander, it probably isn't capable of being controlled by a remote commander.
- If your video components are connected to an audio system, make sure you've set up the Commander as described in "Controlling the Volume of Video Components Connected to an Audio System."
- Should any problem persist, reset the Commander to the factory setting by pressing the POWER, TV/VIDEO and VOL- buttons simultaneously.

For the customers in the U.S.A.

Customer Support Information

If – after you've read through this manual – you still cannot get the Remote Commander to work properly, call the Sony Customer Support Helpline at 1-800-822-2217.

