

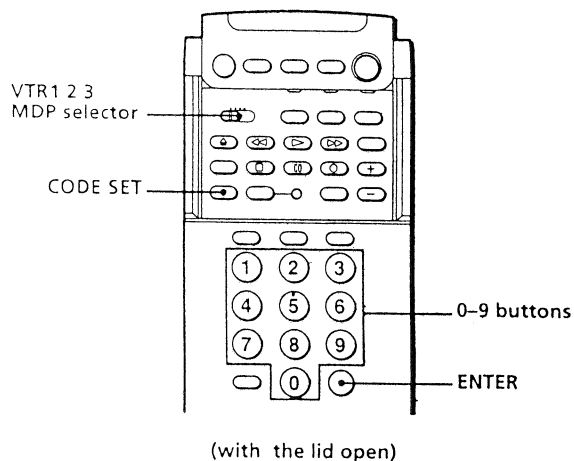
Operating video equipment

You can program the supplied remote commander to operate video equipment that have an infrared remote sensor. For programming, set the manufacturer's code number. You can set the manufacturer's code to each of four positions of the VTR1 2 3 MDP selector, so that you can operate four different pieces of equipment.

Setting the manufacturer's code

The following Sony video equipment is assigned to each position of the VTR1 2 3 MDP selector at its factory preset:

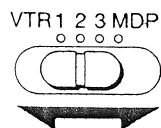
VTR1 Beta, ED Beta VCRs
VTR2 8 mm VCR
VTR3 VHS VCR
MDP Multi-disc player



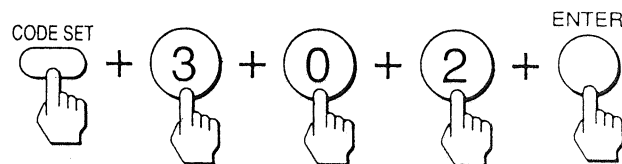
Note

- To use another manufacturer's equipment besides a Sony VCR, set the selector to a position not being used for your Sony VCR.

- 1 Turn off the equipment you want to set up.
- 2 Open the lid, then set the VTR1 2 3 MDP selector to the position you want to set the code.



- 3 Press CODE SET, then press 0 - 9 to enter the manufacturer's code number (see the chart below) and press ENTER. For example, to operate a Sony 8 mm VCR, press CODE SET, 3, 0, 2 and ENTER.



VCR manufacturer code numbers

Manufacturer	Code number
Sony	301, 302, 303
Aiwa	338
Audio Dynamic	314, 337
Bell & Howell (M. Wards)	330, 343
Brocsonic	319
Canon	309, 308
Citizen	332
Craig	315, 302, 332
Curtis Mathis	304, 338, 309
Daewoo	341, 312, 309
DBX	314, 336, 337
Dimensia	304
Emerson	319, 320, 316, 317, 318
Fisher	330, 334, 335, 333
Funai	338
General Electric	329, 304, 309
Goldstar	332
Hitachi	306, 304, 305
Instant Replay	309, 308
JC Penny	309, 305, 304, 330, 314, 336, 337
JVC	314, 336, 337
Kenwood	314, 336, 332, 337
LXI (Sears)	332, 305, 333, 334, 330, 335
Magnavox	310, 308, 309
Marantz	314, 336, 337
Marta	332
Memorex	309, 335
Minolta	305, 304
Mitsubishi/MGA	323, 324, 325, 326
Multitech	325, 338, 321
NEC	314, 336, 337
Olympic	309, 308
Panasonic	308, 309, 306, 307
Pentax	305, 304
Philco	308, 309
Philips	310, 308, 309
Pioneer	308
Quasar	308, 309
RCA/PROSCAN	304, 305, 308, 309, 310, 311, 312, 313

(continued)

VCR manufacturer code numbers

Manufacturer	Code number
Realistic	309, 330, 328, 335, 324, 338
Sansui	314
Singer	315
Samsung	322, 313, 321
Sanyo	330, 335
Scott	312, 313, 321, 335, 323, 324, 325, 326
Sharp	327, 328
Shintom	315
Signature 2000 (M. Wards)	338, 327
Sylvania	310, 308, 309, 338
Symphonic	338
Tashiro	332
Tatung	314, 336, 337
Teac	314, 336, 338, 337
Technics	309, 308
Toshiba	312, 311
Wards	327, 328, 335, 331, 332
Yamaha	330, 314, 336, 337
Zenith	331

MDP manufacturer code numbers

Manufacturer	Code number
Sony	701
Kenwood	707
Magnavox	703
Marantz	702
Mitsubishi	702
Panasonic	704
Philips	703
Pioneer	702
RCA	702
Sanyo	706
Sharp	705
Yamaha	703

Notes

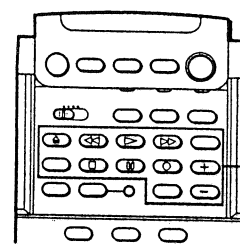
- If more than one code number is listed, try entering them one by one, until you come to the correct code for your equipment.
- In some rare cases, you may not be able to operate your non-Sony video equipment with this remote commander. This is because your equipment may use a code that is not provided with this remote commander. In this case, please use the equipment's own remote control unit or use the learning function (page 43).
- The code numbers for Sony equipment are assigned at the factory as follows:

VHS VCR	301
8 mm VCR	302
Beta, ED Beta VCRs	303
Multi-disc player	701

Caution

- Whenever you remove the batteries — to replace them, for example — if too much time is taken, the code numbers revert to the factory settings and must be reset.

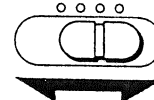
Operating video equipment



(with the lid open)

- 1 Set the VTR1 2 3 MDP selector to the position you set for the video equipment.

VTR1 2 3 MDP



- 2 Use the video operating buttons on the remote commander to operate the video equipment.

Operating a VCR	Buttons on the remote commander
To turn on or off	Press POWER
To change channels	Press CH +/-
To record	Press ● and REC simultaneously
To play	Press ►
To stop	Press ■
To fast forward	Press ►►
To rewind the tape	Press ◄◄
To pause	Press
	To resume normal playback, press again.
To search the picture forward or backward	Press ►► or ◄◄ during playback
	To resume normal playback, release the button.
To change input mode	Press TV/VTR
To eject a cassette	Press ▲ (Used only with Sony brand products)

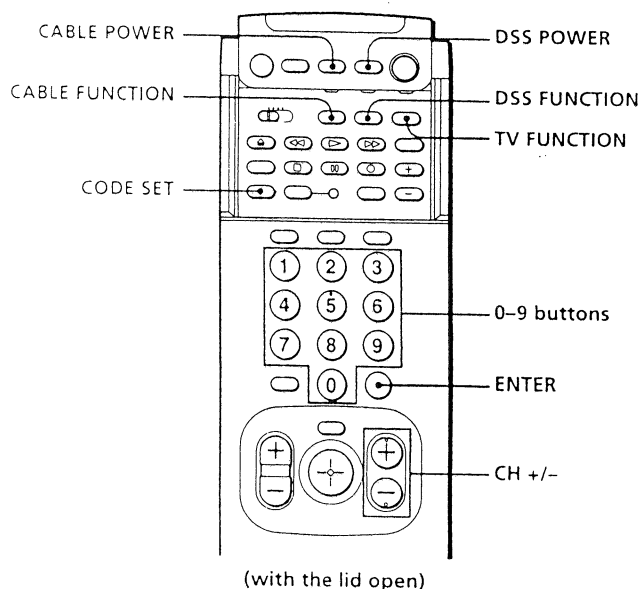
Operating a multi-disc player	Buttons on the remote commander
To turn on or off	Press POWER
To play	Press ►
To stop	Press ■
To pause	Press
	To resume normal playback, press again.
To search the picture forward or backward	Keep pressing ►► or ◄◄ during playback
	To resume normal playback, release the button.
To search the chapter forward and backward	Press CH +/-
To eject a disc	Press ▲ (Used only with Sony brand products)

Note

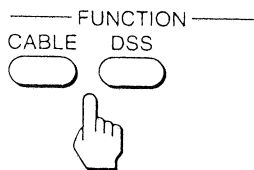
- If the video equipment does not have a certain function, the corresponding button on this remote commander will not operate.

Operating a cable box or DSS receiver

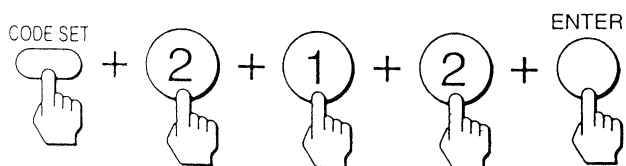
You can program the supplied remote commander to operate a cable box or DSS receiver. Follow the procedures below to set the manufacturer's code number to operate it.



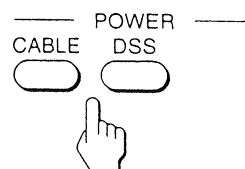
- 1 Turn off the equipment you want to set up and press **FUNCTION** of the equipment you want to set up (CABLE or DSS).



- 2 Press **CODE SET**, then press 0 - 9 to enter the manufacturer's code number (see the chart below) and press **ENTER**. For example, to program your remote commander to operate a Zenith cable box, press **CODE SET**, 2, 1, 2 and **ENTER**.



- 3 Press **CABLE POWER** to turn on a cable box or **DSS POWER** when you use a DSS receiver.



- 4 Use the projection TV control buttons to check if your code number works.

For example, to operate a cable box, you can use the **CABLE POWER**, **JUMP**, **CH +/-**, 0-9 and **ENTER** buttons.

To operate a DSS receiver, you can use the **DSS POWER**, **JUMP**, **DISPLAY**, **MENU** and 0-9 buttons, and the joystick.

To operate the projection TV

Press **TV FUNCTION**. Then use the projection TV control buttons to control the projection TV.

For more details on operating the cable box or DSS receiver

Refer to the operating instructions that come with the equipment.

If the remote commander doesn't work

- First, try repeating the setup procedures using the other codes listed for your equipment.
- If — after trying all the codes listed for your equipment — you still cannot get the remote commander to work properly, try the learning function described on page 43.

Manufacturer code numbers (cable box)

Manufacturer	Code number
Hamlin/Regal	222, 223, 224, 225, 226
Jerrold/G. I.	201, 202, 203, 204, 205, 206, 207, 208, 218
Oak	227, 228, 229
Panasonic	219, 220, 221
Pioneer	214, 215
Scientific Atlanta	209, 210, 211
Tocom	216, 217
Zenith	212, 213

Manufacturer code numbers (DSS receiver)

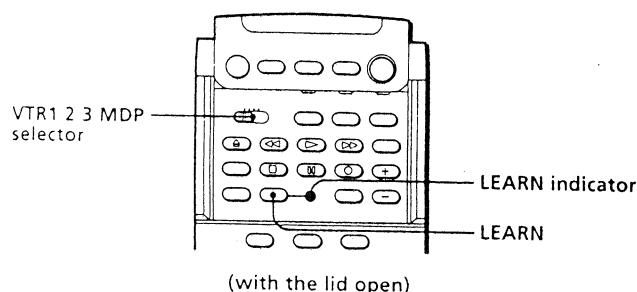
Manufacturer	Code number
Sony	801
RCA	802

Notes

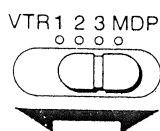
- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- In some rare cases, your equipment may use a code that is not provided with this remote commander and you may not be able to operate your equipment with the supplied remote commander. In this case, use the equipment's own remote control unit or use the learning function (page 43).
- Whenever you remove the batteries — to replace them, for example — if too much time is taken, the code numbers revert to the factory settings and must be reset.

Operating non-preprogrammed equipment — Learning function

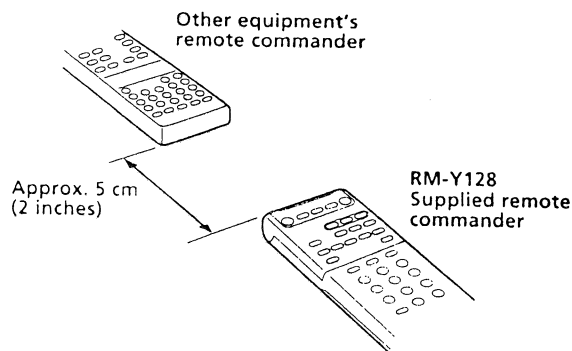
You can program the supplied remote commander to learn the functions of another remote commander. Use this function to operate equipment whose manufacturer's code is not preprogrammed, such as Sony or other manufacturers' audio equipment or other equipment whose manufacturer's code is not listed on pages 40 – 42.



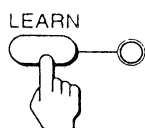
- 1 Set the VTR1 2 3 MDP selector to VTR3 or MDP.**



- 2 Place the supplied remote commander and the other equipment's remote commander directly facing each other, approximately 5 cm (2 inches) apart.**



- 3 Press and release the LEARN button.**
The LEARN indicator lights up.



- 4 Press and release the button on the supplied remote commander that will learn the function.**

The LEARN indicator flashes off and then on again, indicating that the remote commander is ready to learn.

- 5 Hold down the corresponding button on the other remote commander and release the button when the LEARN indicator flashes off then on again.**

When the LEARN indicator flashes off and then on again, this indicates that learning is complete. If not, repeat steps 4 and 5.

- 6 Repeat steps 4 and 5 to learn other functions.**

- 7 Press LEARN.**

The LEARN indicator goes off, indicating that learning is complete.

Notes

- The LEARNING function does not work in VTR1 or VTR2 setting.
- Do not move the remote commanders during learning.
- If you press a button of the supplied remote commander that cannot be used for learning in learning mode, the LEARN indicator flashes four times.
- If the other remote commander's signal cannot be learned, the LEARN indicator flashes four times.
- To clear all learned signals from memory, set the VTR1 2 3 MDP selector to MDP, press LEARN, then press TV POWER while holding down VOL -. Then press LEARN again.

Caution

- Whenever you remove the batteries — to replace them, for example — if too much time is taken, the code numbers revert to the factory settings and must be reset.