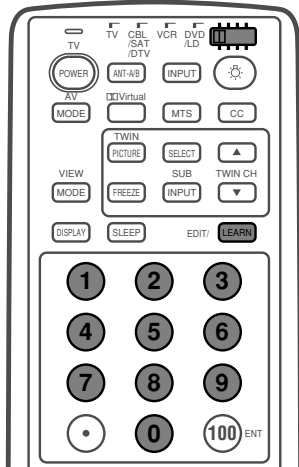


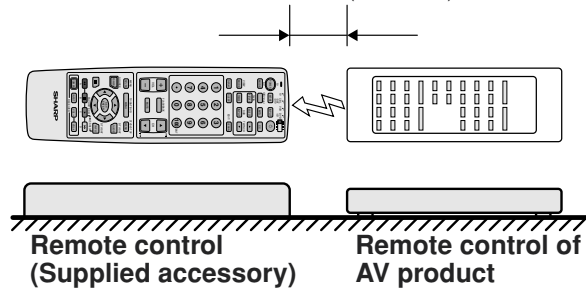
Other viewing options

Learning remote control function

You can operate the connected AV products (AV Receiver, Cable Box, SAT tuner, DTV, VCR, DVD, LD) using the learning function for your remote control unit. This remote control unit has the function that can memorize each remote control code.



0.8 to 2.0 inch (2 to 5 cm)



Presetting manufacturer codes

- 1** Slide the **Mode switch** to match the device to which you want to preset the remote control signal.
- 2** Press **EDIT/LEARN** and **1** at the same time.
 - LED flashes continuously.
- 3** Press **0 – 9** to enter the manufacturer code. (See page 70.)
 - Preset mode is finished once the LED no longer lights up.

NOTE

- To stop the EDIT mode in the middle, press **EDIT/LEARN** once more.
- If **Mode switch** is switched while in EDIT mode, EDIT mode will be canceled.
- If there is no operation for over 1 minute running, exit this mode.
- When you enter a code that is not listed, LED flashes quickly.
- If the table on page 70 does not include your desired manufacturer or the remote control does not work, you can make the memory learn its signal by the learn mode.
- The initial mode is "00".

Learning the remote control

- 1** Be sure to slide the **Mode switch** to match the device whose remote control signal you want to be learned.
- 2** Press **EDIT/LEARN** and **2** at the same time.
 - LED flashes continuously.
- 3** Press a button for you want to learn.
 - Refer to the assigning buttons to functions on each page.(See page 71 to 76.)
 - The LED changes from lit up to flashing state.
 - When the learn mode is finished, LED lights up once and returns to the learn mode (LED flashes continuously).
- 4** To exit learn mode, press **EDIT/LEARN**.

NOTE

- To stop the EDIT mode in the middle, press **EDIT/LEARN** once more.
- If **Mode switch** is switched while in EDIT mode, EDIT mode will be canceled.
- If there is no operation for over 1 minute running, exit this mode.
- If **TV POWER** is pressed over 2 seconds running (LED flashes continuously, step 2 above), the learning codes of the current **Mode switch** position clear, changing back to preset manufacturer codes. In this case, the LED turns off after 2 seconds exiting learning mode.

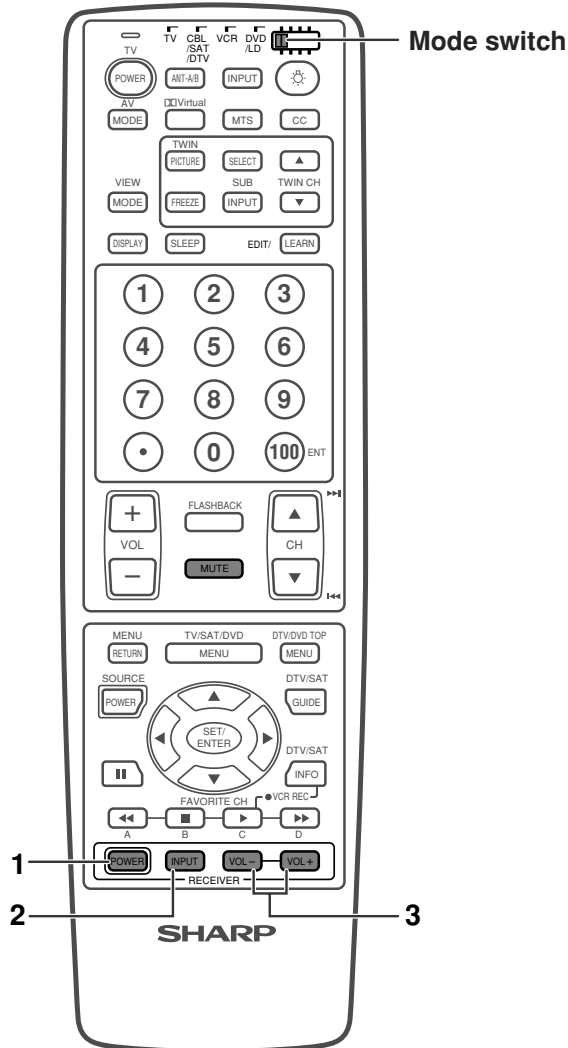
Other viewing options

Manufacturer codes

| | CATV/SAT/ DTV | VCR | DVD/LD |
|----|------------------|-------------|-----------------|
| 00 | PIONEER1 (CATV) | SHARP1 | SHARP (DVD) |
| 01 | PIONEER2 (CATV) | SHARP2 | PIONEER (DVD) |
| 02 | JERROLD1 (CATV) | SHARP3 | PANASONIC (DVD) |
| 03 | JERROLD2(CATV) | PIONEER | SAMSUNG (DVD) |
| 04 | JERROLD3 (CATV) | FISHER | SONY (DVD) |
| 05 | JERROLD4 (CATV) | FISHER | TOSHIBA (DVD) |
| 06 | JERROLD5 (CATV) | FISHER | JVC (DVD) |
| 07 | JERROLD6 (CATV) | GOLDSTAR | |
| 08 | JERROLD7 (CATV) | HITACHI1 | |
| 09 | JERROLD8 (CATV) | HITACHI2 | |
| 10 | JERROLD9 (CATV) | HITACHI3 | |
| 11 | JERROLD10 (CATV) | MAGNAVOX2 | |
| 12 | S.A.1 (CATV) | MITSUBISHI1 | |
| 13 | S.A.2 (CATV) | MITSUBISHI2 | |
| 14 | S.A.3 (CATV) | MITSUBISHI3 | |
| 15 | S.A.4 (CATV) | MITSUBISHI4 | |
| 16 | ZENITH1 (CATV) | MITSUBISHI5 | |
| 17 | ZENITH2 (CATV) | MITSUBISHI6 | |
| 18 | ZENITH3 (CATV) | PANASONIC1 | |
| 19 | | PANASONIC2 | |
| 20 | PIONEER (SAT) | PANASONIC3 | PIONEER (LD) |
| 21 | RCA1 (SAT) | RCA1 | KENWOOD (LD) |
| 22 | RCA2 (SAT) | RCA2 | PANASONIC1 (LD) |
| 23 | SONY (SAT) | RCA3 | PANASONIC2 (LD) |

| | CATV/SAT/ DTV | VCR | DVD/LD |
|----|------------------|-------------|--------------|
| 24 | | SANYO1 | PHILIPS (LD) |
| 25 | | SANYO2 | RCA (LD) |
| 26 | | SANYO3 | SONY (MDP) |
| 27 | | SONY (BETA) | SONY (LD) |
| 28 | | SONY (VHS) | |
| 29 | | SONY (8 mm) | |
| 30 | PIONEER (DTV) | TOSHIBA | |
| 31 | SHARP (DTV) | JVC1 | |
| 32 | | JVC2 | |
| 33 | | JVC3 | |
| 34 | | JVC4 | |
| 35 | | JVC5 | |
| 36 | | ZENITH | |

Other viewing options



Using the TV remote control unit to control other devices

Receiver control buttons

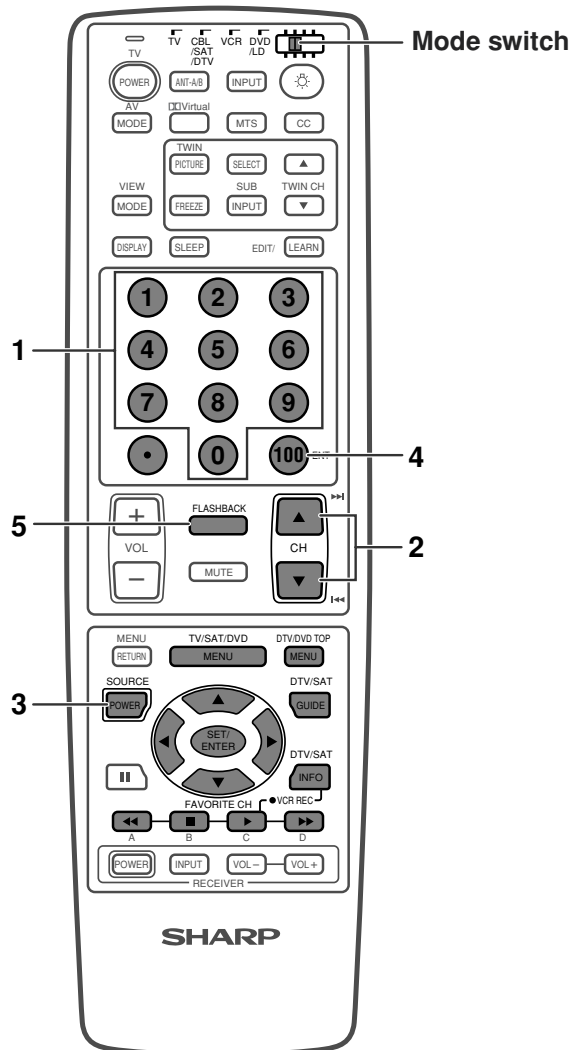
When a SHARP receiver is connected to the Display, the receiver can operate using buttons **1** to **3**. When another non-SHARP receiver is connected to the display, the signals for **1** to **3** must first be learned before operating. (See page 69.)

- 1 RECEIVER POWER (STANDBY/ON)**
Turns receiver power on and off.
- 2 RECEIVER INPUT**
Selects the input source connected to the receiver.
- 3 RECEIVER VOL +/-**
Adjusts receiver volume level. Press **RECEIVER VOL +** to increase the volume and **RECEIVER VOL -** to decrease it.

NOTE

- **(RECEIVER) MUTE**
Allows remote unit to learn receiver's mute signal. Use this button when the mode switch is set to something other than TV.
- The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.

Other viewing options



Cable control buttons

When the **Mode switch** is set to CBL/SAT/DTV the cable converter connected to the Display can operate using **1** to **5**.

Cable converters made by other manufacturers and not preset can also operate using the remote control unit if **1** to **5** have learned the functions. (See page 69.)

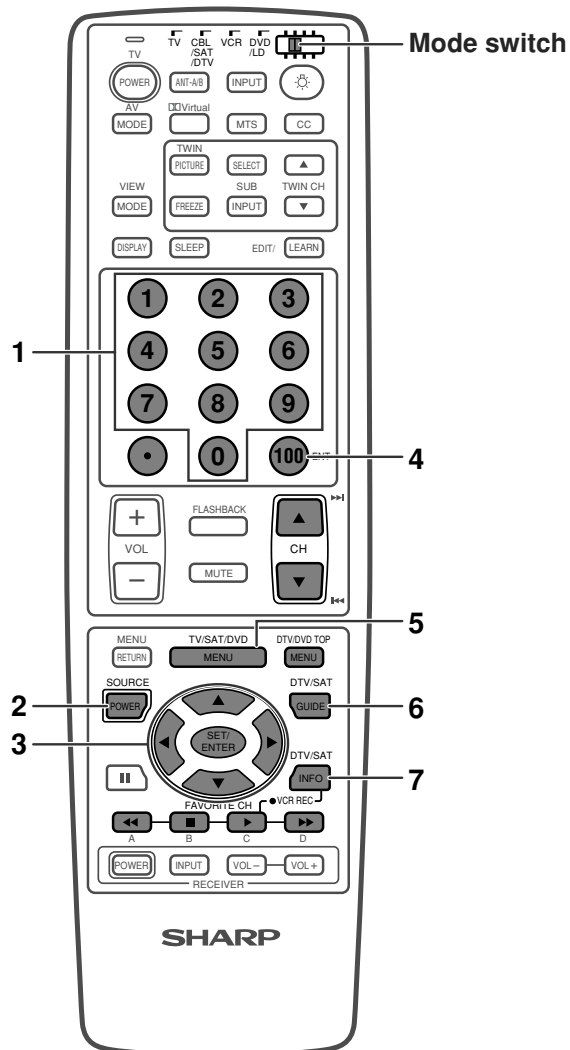
- 1 0 – 9**
Press a button (or buttons) that corresponds to the channel that you wish to watch.
- 2 CH ▲/▼**
Press **CH ▲** or **CH ▼** to tune in a higher or lower channel.
- 3 SOURCE POWER**
Turns the cable converter power on and off.
- 4 100 ENT ***
Fix the selected channel with the direct channel selection buttons.
- 5 FLASHBACK ***
Press to switch between the current channel and the channel you were watching immediately before.

* Some manufacturers do not preset **100 ENT** and **FLASHBACK**. Use these buttons to learn if necessary.

NOTE

- CABLE, SAT and DTV cannot be selected at the same time.
- The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.

Other viewing options



SAT control buttons

When the SAT is preset by the learning remote control function, the remote control unit buttons will function as shown below.

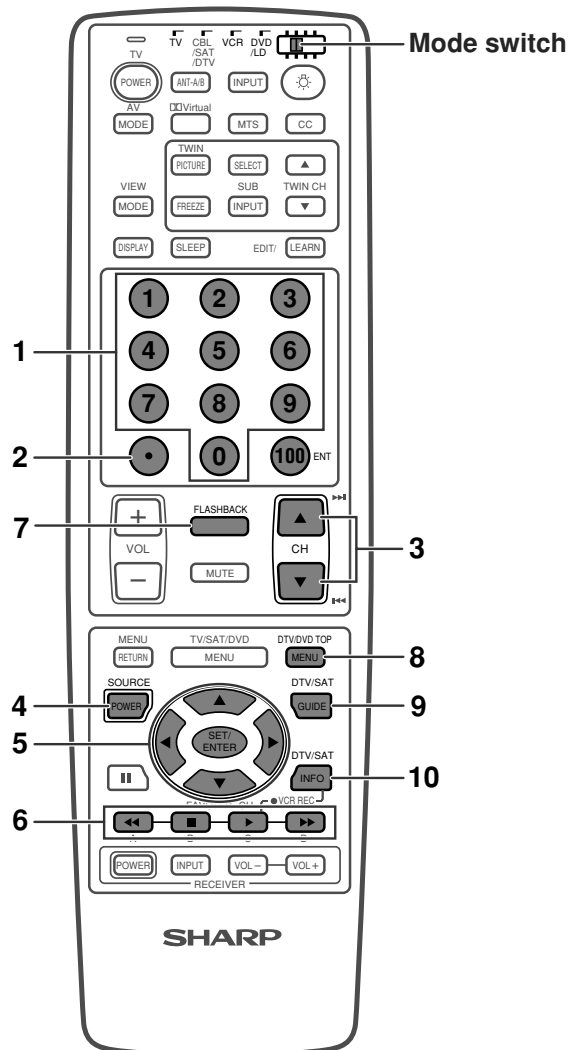
- When the **Mode switch** is set to CBL/SAT/DTV, satellite broadcast tuners made by other manufacturers and not preset can also operate with the remote control unit if **1** to **7** have learned the functions. (See page 69.)

- 0 – 9**
Press a button (or buttons) that corresponds to the channel that you wish to watch.
- SOURCE POWER**
Turns the Satellite broadcast tuner power on and off.
- SET/ENTER, ▲/▼/◀/▶**
SET/ENTER: Press to activate the selected function.
▲/▼/◀/▶: Press the button to select items on the SAT GUIDE screen or SAT MENU screen.
- 100 ENT**
Fix the selected channel with the direct channel selection buttons.
• Use this button to learn if necessary.
- SAT MENU**
When this button is pressed, the satellite broadcasting menu screen will display.
- SAT GUIDE**
When this button is pressed, the satellite broadcasting guide screen will display.
- SAT INFO**
When this button is pressed, information on satellite broadcasting will display.
• Use this button to learn if necessary.

NOTE

- CABLE, SAT and DTV cannot be selected at the same time.
- The color-highlighted buttons shown in the figure at left can learn the control signal from another device's remote control.

Other viewing options



DTV control buttons

For viewing DTV broadcasts, a digital TV tuner (commercially available) is necessary.

When the **Mode switch** is set to CBL/SAT/DTV, the remote control unit buttons will function as shown below.

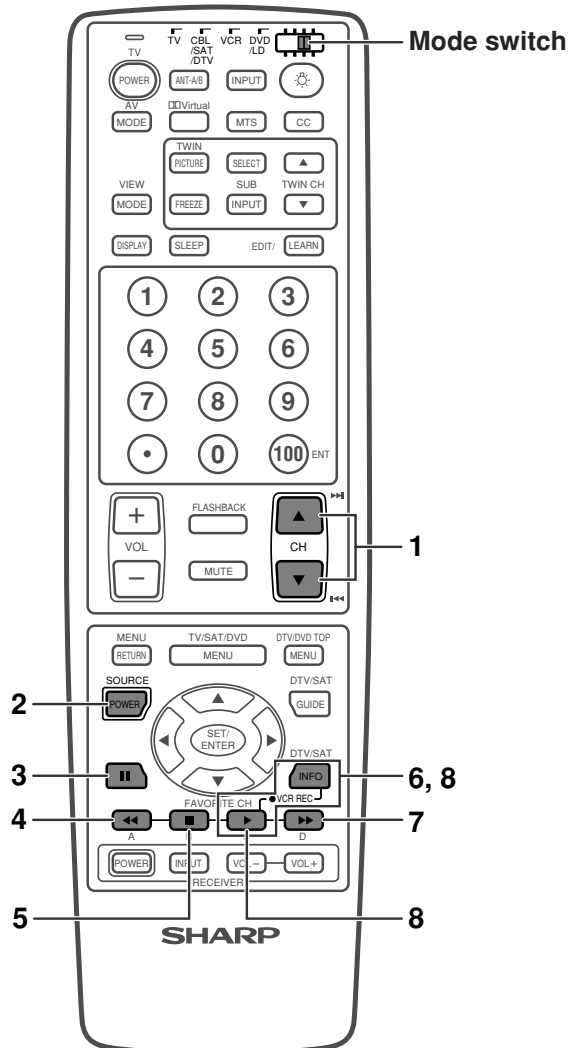
- Operate the tuner using **1** to **10**.

- 0 – 9**
Press a button (or buttons) that corresponds to the channel that you wish to watch.
- (DOT)**
Used for channel selection.
- CH ▲/▼**
Press **CH ▲** or **CH ▼** to tune in a higher or lower channel.
- SOURCE POWER**
Turns the digital TV tuner on and off.
- SET/ENTER, ▲/▼/◀/▶**
SET/ENTER: Press to activate the selected function.
▲/▼/◀/▶: Press the button to select items on the DTV MENU screen.
- FAVORITE CH/Colored (blue/green/red/yellow)**
FAVORITE CH: Used for making FAVORITE CH settings with the digital TV tuner.
Blue/green/red/yellow: Used to make selections from the digital TV tuner menu.
- FLASHBACK**
Press to switch between the current channel and the channel you were watching immediately before.
- DTV/DVD TOP MENU**
When this button is pressed, the DTV menu screen will display.
- DTV/SAT GUIDE**
When this button is pressed, the DTV guide screen will display.
- DTV/SAT INFO**
When this button is pressed, information on DTV will display.

NOTE

- CABLE, SAT and DTV cannot be selected at the same time.
- The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.

Other viewing options



VCR control buttons

When the VCR is preset by the learning remote control function, the remote control unit button will function as follows when the **Mode switch** of the remote control unit is set to VCR.

- When the input selector button having the same number as the input terminal connecting the VCR is pressed, the VCR can operate using **1 to 8**.
- VCR made by other manufacturers and not preset can also operate using the remote control unit if **1 to 8** have learned the functions. (See page 69.)

- 1 CH ▲/▼**
Press to select the channel of the TV tuner on the VCR.
- 2 SOURCE POWER**
Turns the power of the VCR on and off.
- 3**
Set pauses and still pictures.
- 4**
Rewinds the tape and allows picture search.
- 5**
Stop the tape transport.
- 6, 8 VCR REC**
Press these buttons at the same time to start recording.

NOTE

- Depending on the VCR manufacturer, for some models, VCR REC is activated by first pressing **INFO** followed by while you keep pressing **INFO**. For other models, VCR REC is activated by following the opposite sequence; first pressing followed by **INFO** while you keep pressing . Please try both methods and use the appropriate one.

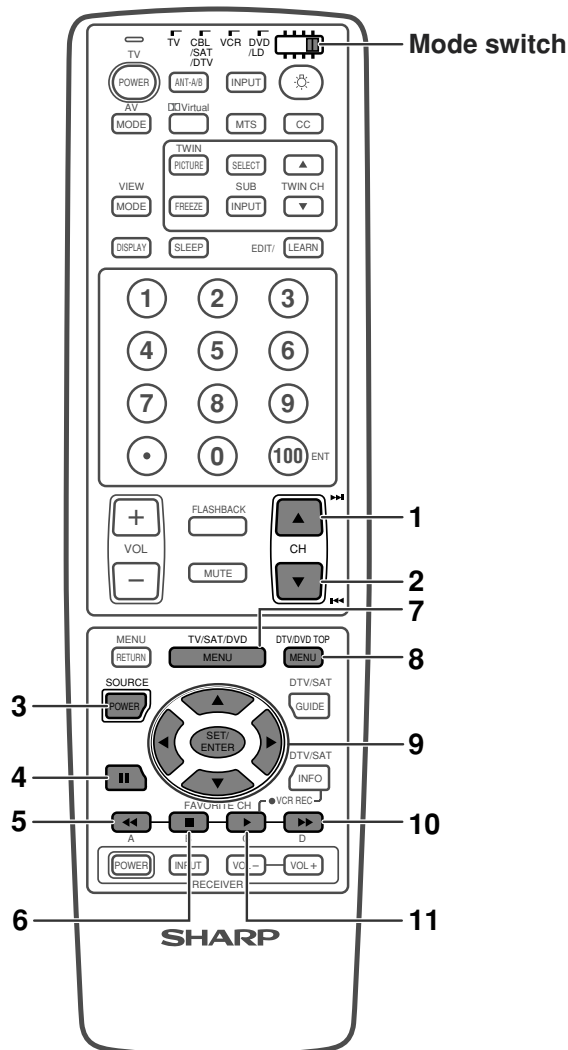
- 7**
Rapidly advances the tape and allows picture search.

- 8**
Selects playback.

NOTE

- The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.

Other viewing options



DVD/LD control buttons

When the DVD/LD is preset by the learning remote control function, the remote control unit button will function as follows when the **Mode switch** of the remote control unit is set to DVD/LD.

- When the input selector button having the same number as the input terminal connecting a DVD player or LD player is pressed, these players can operate using **1** to **11**. (**7** to **9** are for DVD players only.)
- DVD/LD players made by other manufacturers and not preset can also operate using the remote control unit if **1** to **11** have learned the functions. (See page 69.)

- 1** Pressing quickly once takes you to the start of the next chapter. Each time you press it, you move ahead to the start of the next chapter.
- 2** Pressing quickly once takes you to the start of the chapter currently playing. Each time you press it, you move back to the start of the previous chapter.
- 3** **SOURCE POWER**
Turns the power of the DVD/LD player on and off.
- 4** Set pauses and still pictures.
- 5** Continue pressing to go backward.
- 6** Playback stops when pressing once.
With some DVD/LD players, pressing the button twice may open the disc tray.
- 7** **DVD MENU (DVD only)**
When this button is pressed, the DVD menu will display.
- 8** **DVD TOP MENU (DVD only)**
When this button is pressed, the DVD top menu will display.
- 9** **SET/ENTER, (DVD only)**
SET/ENTER: Press to activate the selected function.
 : Press the button to select items on the DVD MENU screen.
- 10** Continue pressing for fast forward.
- 11** Selects playback.

NOTE

- DVD and LD cannot be selected at the same time.
- The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.