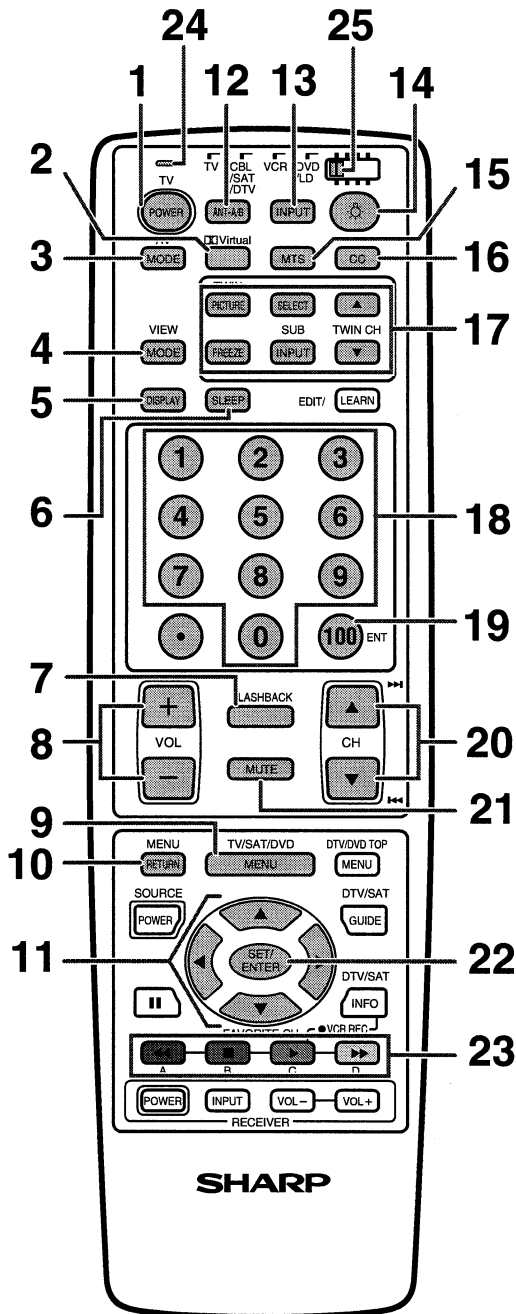


Part names

Remote control unit



- 1 **TV POWER:** Switch the Liquid Crystal Television power on or off. (See page 21.)
- 2 **Virtual:** Select Virtual Dolby Surround settings. (See page 24.)
- 3 **AV MODE:** Select an audio or video setting. (See page 54.) (AV mode: STANDARD, MOVIE, GAME, USER, DYNAMIC (Fixed), DYNAMIC. PC mode: STANDARD, USER.)
- 4 **VIEW MODE:** Select the screen size. (See pages 54 and 55.)
- 5 **DISPLAY:** Display the channel information.
- 6 **SLEEP:** Set the sleep timer. (See page 58.)
- 7 **FLASHBACK:** Return to the previous channel or input external mode. (See page 23.)
- 8 **VOL +/-:** Set the volume. (See page 24.)
- 9 **MENU:** Display the menu screen.
- 10 **MENU RETURN:** Return to the previous menu screen.
- 11 **▲/▼/◀/▶:** Select a desired item on the screen.
- 12 **ANT-A/B:** Select between ANT-A and B to watch broadcasts via the two tuners.
- 13 **INPUT:** Select a Liquid Crystal Television input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, PC) (See pages 42–46 and 52.)
- 14 **Lighting icon:** When pressed all buttons on the remote control unit will light. The lighting will turn off if no operations are performed within about 5 seconds. This button is used for performing operations in dark places.
- 15 **MTS:** Select the MTS/SAP. (See page 25.)
- 16 **CC:** Display captions during closed-caption source. (See page 59.)
- 17 **TWIN CH buttons**
TWIN PICTURE: Set the twin picture mode. Press again to return to normal screen. (See page 67.)
FREEZE: Set the still image. Press again to return to normal screen. (See page 67.)
SELECT: Select the active screen. (See page 67.)
SUB INPUT: Select an input source of sub screen. (See page 67.)
TWIN CH ▲/▼: Select the channel of sub screen. (See page 67.)
- 18 **0 – 9:** Set the channel.
- 19 **100 ENT:** Select the three digit mode. Execute a command of the channel.
- 20 **CH ▲/▼:** Select the channel.
- 21 **MUTE:** Mute the sound. (See page 24.)
- 22 **SET/ENTER:** Execute a command.
- 23 **FAVORITE CH**
A, B, C, D: Select four preset favorite channels in four different categories. (See page 30 for details.)
 When viewing via ANT-A: up to 16 channels can be assigned in A, B, C and D.
 When viewing via ANT-B: up to 16 channels can be assigned in A, B, C and D.
 With ANT-A and B combined, you can preset up to 32 favorite channels in advance.
 While watching, you can toggle the selected channels by pressing A, B, C and D.
- 24 **LED for transmission confirmation**
- 25 **Mode switch:** (See pages 68 to 75 for details.)

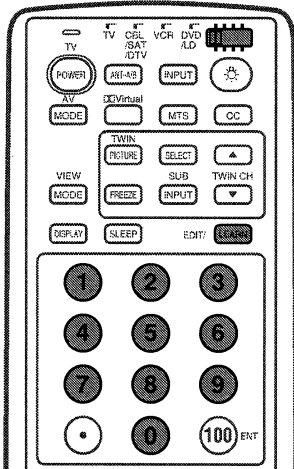
NOTE

- When using the remote control unit, point it at the Liquid Crystal Television.
- See pages 68 to 75 for operating buttons not listed on this page.

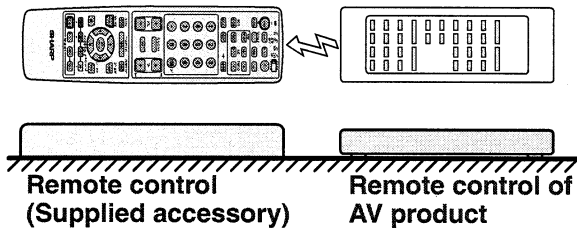
Other viewing options

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 69.)
• 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 69 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 70 to 75.)
• 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.

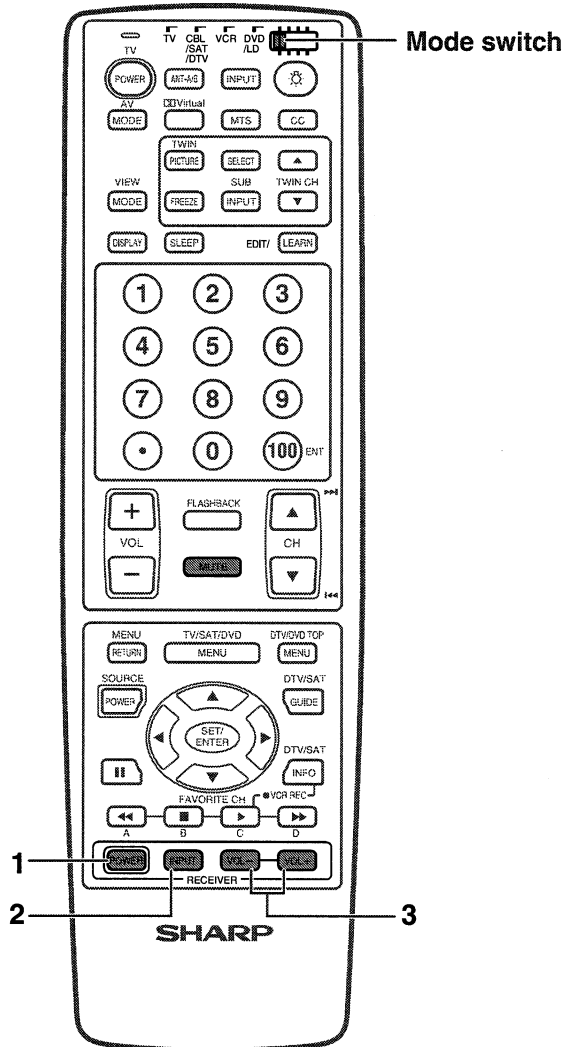
Other viewing options

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**.

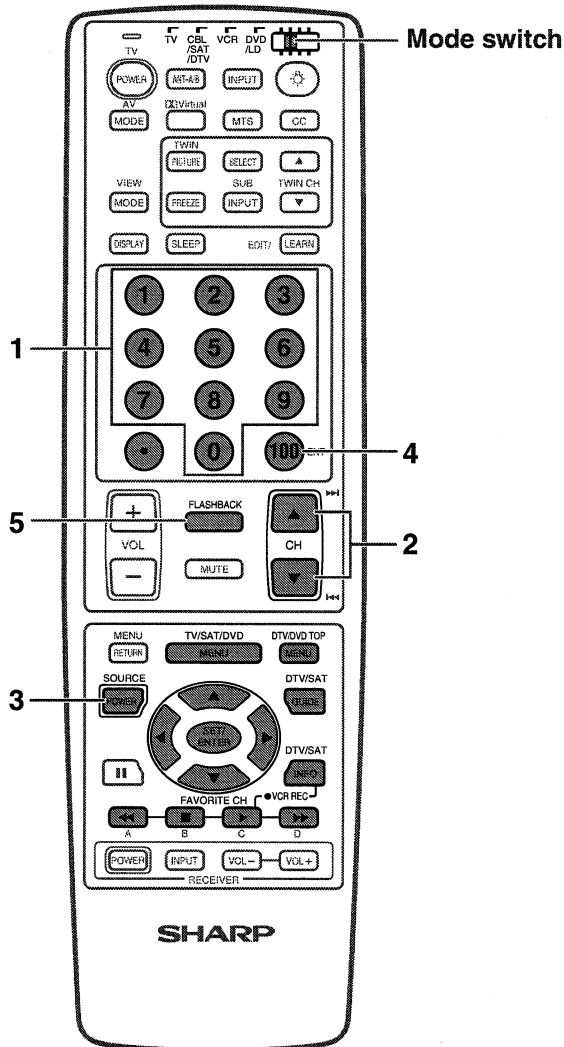
When another non-SHARP receiver is connected to the display, the signals for **1** to **3** must first be learned before operating. (See page 68.)

- 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 68.)

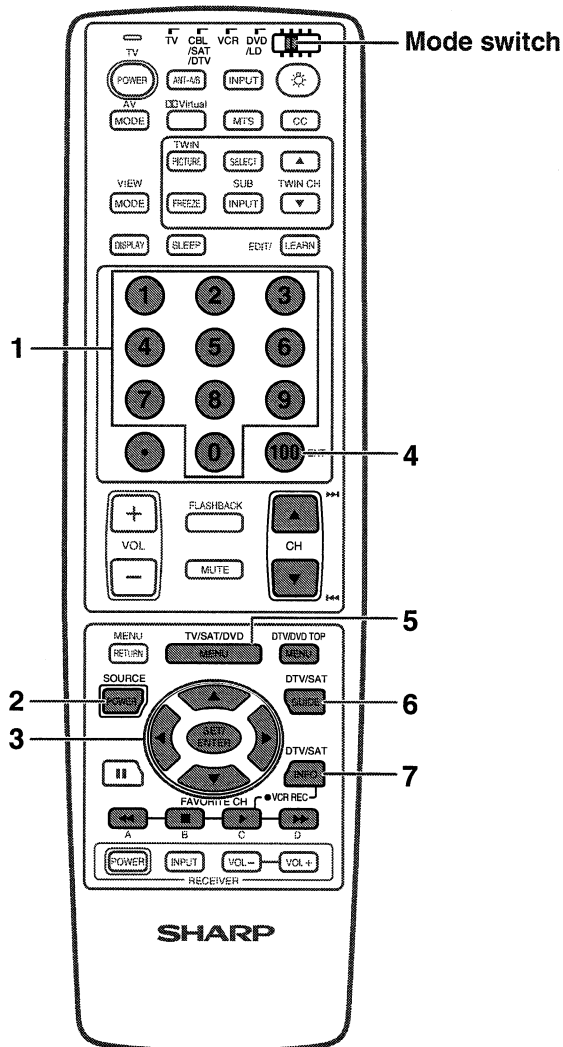
- 1 0-9**
Press a button (or buttons) that corresponds to the channel that you wish to watch.
- 2 CH ▲/▼**
Press **CH ▲** or **CH ▼** to tune in a higher or lower channel.
- 3 SOURCE POWER**
Turns the cable converter power on and off.
- 4 100 ENT ***
Fix the selected channel with the direct channel selection 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 68.)

- 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.