

Quick Reference Control Operation

BASIC REMOTE CONTROL FUNCTIONS

(ENGLISH)

POWER

Press → On.
Press again → Off.

DISPLAY

Press → Displays receiving channel for 4 seconds.
Press again → Removes display.
• Temporarily displays receiving channel when in Closed Caption mode.

VIEW TIME

ACCESS VIEWING TIMER screen.
See pages 20, 21.

CH GUIDE

Access FAVORITE CHANNEL GUIDE screen.
See pages 22, 23.

VOLUME UP/DOWN

(+) Increases sound.
(-) Decreases sound.
• In menu mode, changes or selects the TV adjustments.

FAVORITE CH access button

Select one of the channels memorized in specified category on the FAVORITE CH GUIDE screen.

Direct Access

Accesses any channel by the keypad.

TV/VIDEO

Press → Switch to external video input mode.
Press again → Switch to TV mode.
See page 24.

Infrared Transmitter Window

TV/CATV MODE SELECT buttons

After pressing TV button, sends power and channel select commands (Channel Up/Down and Random Access buttons) to the TV.
After pressing CATV button, sends power and channel select commands to a cable TV convertor.

MENU

Press → Accesses MAIN MENU.
Press again → Exits MAIN MENU.

CHANNEL UP/DOWN

(▲) Selects next higher channel.
(▼) Selects next lower channel.
• See pages 15, 16 for channel presetting.
• Moves the "◆" mark of the MENU screens.

FLASHBACK

Returns to previously viewed channel.

CHANNEL SCAN

Press → Scans through preset channels.
Press again → Stops scanning at desired channel.

MTS (Multichannel TV Sound)

Each press changes the MTS broadcast mode.

→ STEREO → SAP → MONO

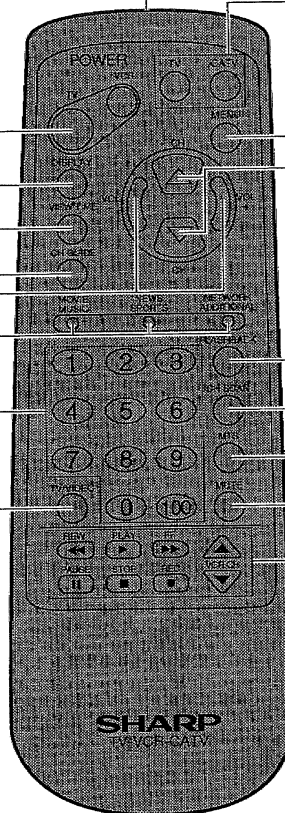
See page 19.

MUTE

Press → Mutes sound.
Press again → Restores sound to previous level.
• CLOSED CAPTION appears when sound is muted.

VCR CONTROL

See page 26.



Operation of Remote Control

■ USING YOUR REMOTE CONTROL WITH A VCR

Once you make certain the Remote Control has "identified" your remote controlled VCR, the Remote Control is ready to operate your unit. The various VCR function buttons on the Remote Control will not operate your VCR if those features are not already found on your unit.

- All VCR buttons will operate whether the Remote Control is in TV or CATV modes.
- For detailed information on the use of the VCR, refer to the operation manual of the VCR.

VCR POWER

Press to turn the VCR on and off.

PLAY ►

Press to playback a tape.

REWIND ◀◀

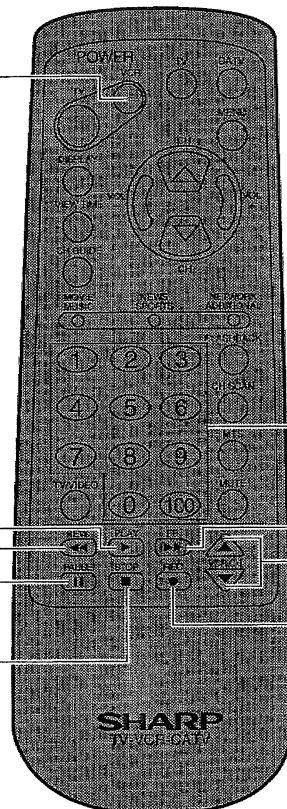
Press this button to rewind a tape. For some VCRs you may need to press STOP first, then REWIND. In Playback mode, hold button down to view picture moving rapidly in reverse.

PAUSE II

Press to temporarily stop the tape during playback or recording. Press again to release Pause.

STOP ■

Press to stop the tape.



DIRECT ACCESS

Use to enter two-digit code numbers when identifying your VCR.

FF ►►

Press this button to rapidly advance the tape. For some VCRs, you may need to press STOP first, then FF. In Playback mode, hold button down to view the picture moving rapidly in forward direction.

VCR CHANNEL UP (▲) / DOWN (▼)

Press buttons to scan up or down through channels on the VCR.

RECORD ●

Press REC button to begin recording.

■ Universal Remote Control

With the purchase of your television set you also have received the latest innovation in remote control technology. With its easy-to-use pushbutton keyboard, your Remote can control your television set and most infrared remote controlled VCRs and cable TV convertors as well.

Note:

Depending on the model, year produced, brand and type of VCR, some models may not be compatible with the remote control.

■ Using Your Remote With Your TV

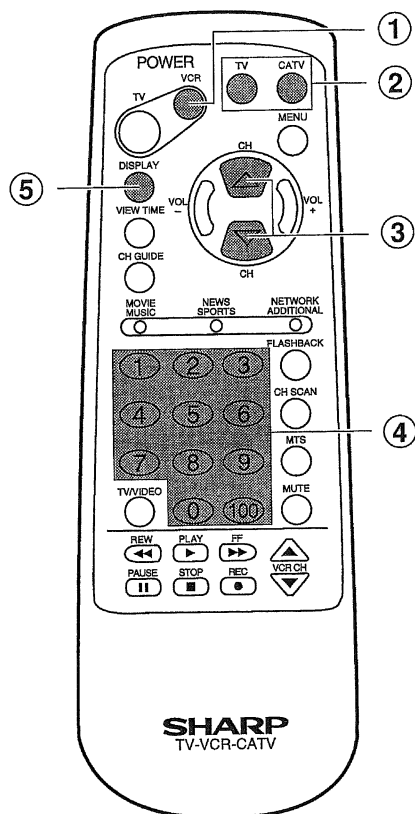
After installing the batteries, press the Remote's **TV** button to access TV function.

■ "Identifying" Remote VCR and Cable TV Convertors

Your Remote Control has been set at the factory to operate your TV and many remote control VCRs and Cable Convertors. However, in some cases an easy one-time set-up step may be necessary before the Remote will operate accessory VCRs and Cable Convertors.

- In this set-up step, the Remote locates and memorizes the remote control transmitter code for the VCR or Cable Converter.
- Once "identified", the Remote sends the proper remote signals to operate your accessory.
- This identify step will not have to be repeated until power to the Remote is interrupted due to a battery failure.

Operation of Remote Control (Continued)



■ HOW TO IDENTIFY A VCR

The remote control may already be set to operate your VCR. Try this initial check to see if going on to the following "identify" section is necessary.

- (1) Point remote towards VCR and press **VCR POWER** button [①].
- (2) Does the remote turn the VCR ON and OFF?
 - If yes, the remote is ready to operate the VCR and no further steps are needed.
 - If no, continue to the "identify" section.

■ To Identify Your VCR – Direct Entry Method.

Use the following steps and list to quickly find the remote control code for your accessory VCR.

- First look up your VCR's remote control code number before going through the direct code entry steps control.
 - If this procedure does not identify your accessory VCR, use the Search method of identification (described in the next section).
- (1) Press Remote's **TV** select button [②].
 - (2) Press and hold down the **DISPLAY** button [⑤] and **CH DOWN (▼)** button [③] on your remote control.
Then release both buttons.
 - (3) Within ten seconds after releasing the **DISPLAY** button [⑤] and **CH DOWN (▼)** button [③], enter your VCR's two-digit remote control code number using the **Direct Access** buttons [④] (refer to list).
 - The remote control is now ready to send commands to your VCR.

Some brands have more than one remote code listed, due to changes in the remote codes from early to later model years, or due to format differences (VHS/BETA). In such cases, you may have to try more than one code to find the code your VCR accepts.

Note:

Depending on the model, year produced, brand, and type of VCR, some models may not be compatible with the remote control.

Operation of Remote Control (Continued)

VCR BRAND	REMOTE CONTROL CODE NUMBER
Akai	25, 26, 37
Audio Dynamics	15, 22, 30
Broksonic	32
Canon	04
Capehart	34
Craig	10, 31
Curtis Mathis	04
Daewoo	34
DBX	15, 22, 30
Dynatech	29
Emerson	21, 32, 35
Fisher	09, 10, 11
Funai	28, 29
GE	04
Goldstar	24
Hitachi	06
Instant Replay	04
JC Penney	04, 06, 24, 30
JVC	15, 41, 42
Kenwood	14, 15
Lloyds	29
Magnavox	04, 05, 08
Magnin	31
Marantz	30
Memorex	04, 10, 24, 29
Minolta	06
Mitsubishi	17, 18, 39, 40
Montgomery Ward	02, 43
Multitech	29
NEC	15, 22, 30
Panasonic	04, 44
Pentax	05, 06
Philco	04, 05
Philips	04, 05, 08
Quasar	04
RCA	06, 07, 33
Realistic	01, 02, 10, 24
Samsung	23, 31
Sanyo	14, 10
Scott	20
Sears	06, 11, 24
Sharp	01, 02, 03
Shintom	36
Sony	12, 13, 38
Sound Design	29
Sylvania	04, 05, 08
Symphonic	29
Tatung	15
Teac	15, 29
Teknika	27, 29
Thomas	29
TMK	21
Toshiba	19, 20
Video Concepts	30
Yamaha	15, 29, 30
Zenith	16

■ To Identify Your VCR – Search Method.

- (1) Press Remote's **TV** select button [②].
- (2) Press the **POWER** button on the VCR to ON.
- (3) Stand at least six feet away from the front of the VCR.
Point the remote towards the VCR.
Hold down the **DISPLAY** button [⑤] and **CH UP (▲)** button [③] at the same time.
KEEP HOLDING THE BUTTONS DOWN.
- (4) Watch the Channel Number indicator on the VCR, Channel numbers will scan up when the VCR has been identified.
Release the **DISPLAY** button [⑤] and **CH UP (▲)** button [③] as soon as the channel numbers start to scan up.
The VCR's remote control code number has been identified, and the remote is ready to operate the VCR.

TIPS ON IDENTIFYING YOUR VCR:

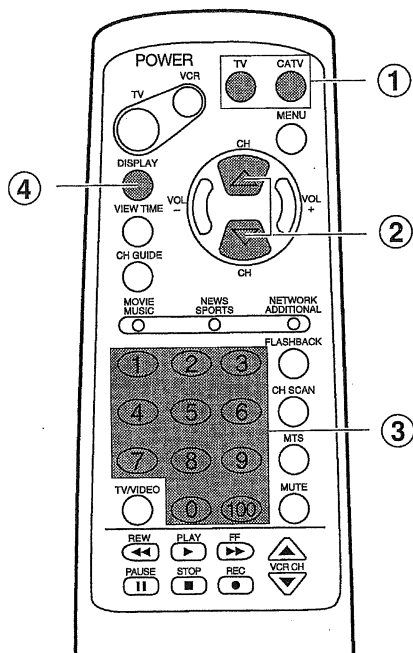
If your VCR model does not have the CHANNEL UP function on its remote control, it cannot be identified using the SEARCH method of identifying. For such models, please try the DIRECT ENTRY method of identifying.

Be Patient: a minute or two can seem a lot longer when you're waiting for something to happen, but the code should be identified within 2 minutes. Remember, it is only a one-time set-up.

Be careful not to let the VCR scan more than five channels when the indicator starts to move up. If you continue holding down the **DISPLAY** button [⑤] and **CH UP (▲)** button [③] after five channel scans, the proper remote code can be passed up, and the two minutes identify cycle will have to be repeated.

If a channel change does not occur on the VCR within two minutes, read the identifying instructions again and repeat the steps. Should a channel change still not occur the remote will not operate with the desired VCR.

Operation of Remote Control (Continued)



■ HOW TO IDENTIFY A CABLE CONVERTOR

■ To Identify Your Cable Converter – Direct Entry Method.

Use the following steps and list to quickly find the remote control code for your cable TV convertor.

- First look up your convertor's remote code number before going through the direct code entry steps below.
- If this procedure does not identify your convertor, use the Search method of identification (described in the next section).

- (1) Press Remote's **CATV** select button [①].
- (2) Press and hold down the **DISPLAY** button [④] and **CH DOWN (▼)** button [②] on your remote control.
Then release both buttons.
- (3) Within ten seconds after releasing the **DISPLAY** button [④] and **CH DOWN (▼)** button [②], enter your convertor's two-digit code number using the **Direct Access** buttons [③] (refer to list).

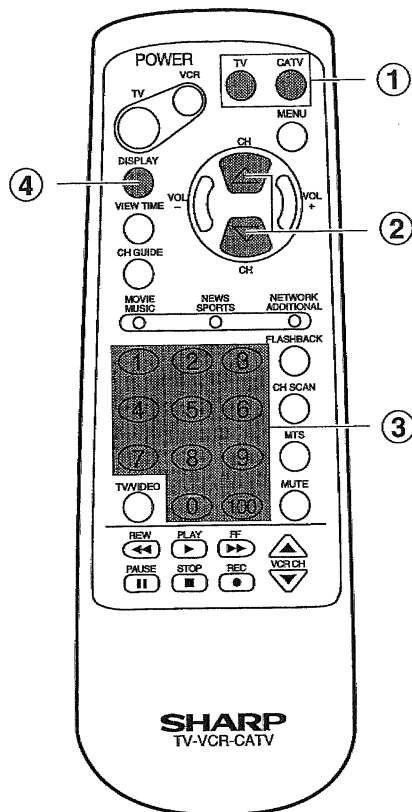
- The remote control is now ready to send commands to your convertor.
- Some brands have more than one remote code listed, due to changes in the remote codes from early to later model years. In such cases, you may have to try more than one code to find the code your convertor accepts.

Note:

Depending on the model, year produced, brand, and type of CATV convertor, some models may not be compatible with the remote control.

CATV CONVERTOR BRAND	REMOTE CONTROL CODE NUMBER
Anvision	07, 08
Cable Star	07, 08
Eagle	08
Eastem International	02
General Instrument	04, 05, 15, 23, 24, 25, 30, 36
Hamlin	12, 13, 34
Jerrold	04, 05, 15, 23, 24, 25, 30, 36
Macom	37
Magnavox	07, 08, 19, 25, 28, 29, 32, 33, 40, 41
NSC	09
Oak	01, 16, 38
Oak Sigma	18
Panasonic	27, 39
Philips	07, 08, 19, 26, 28, 29, 32, 33, 40, 41
Pioneer	18, 20
Randtek	07, 08
RCA	27, 43
Regal	12, 13
Regency	02
Scientific Altantic	03, 22, 42
Sony	44
Sylvania	11
Teknika	06
Texscan	11
Tocom	17, 21
Unika	31
Viewstar	07, 08, 19, 26, 28, 29, 32, 33, 40, 41
Zenith	14

Operation of Remote Control (Continued)



■ To Identify Your Cable Converter – Search Method.

- (1) Press Remote's **CATV** select button [①].
- (2) Press the **POWER** button on the cable converter to ON.
- (3) Stand at least six feet away from the converter.

Point the remote towards the converter. Hold down the **DISPLAY** button [④] and **CH UP (▲)** button [②] at the same time. **KEEP HOLDING THE BUTTONS DOWN.**

- (4) Watch the Channel Number indicator on the converter.

Channel numbers will scan up when the converter has been identified.

Release the **DISPLAY** button [④] and **CH UP (▲)** button [②] as soon as the channel numbers start to scan up.

The converter's remote control code number has been identified, and the remote is ready to operate the converter.

TIPS ON IDENTIFYING YOUR CABLE CONVERTOR:

Be Patient: a minute or two can seem a lot longer when you're waiting for something to happen, but the code should be identified within 2 minutes. Remember, it is only a one-time set-up.

Be careful not to let the CATV converter scan more than five channels when the indicator starts to move up. If you continue holding down the **DISPLAY** button [④] and **CH UP (▲)** button [②] after five channel scans, the proper remote code can be passed up, and the two minutes identify cycle will have to be repeated.

If a channel change does not occur on the cable converter within two minutes, read the identifying instructions again and repeat the steps. Should a channel change still not occur, the remote will not operate with the desired converter.

Note:

Some satellite receiver can be operated by the REMOTE CONTROL. If you have a Satellite Receiver, you can use the above method to search for available channels.