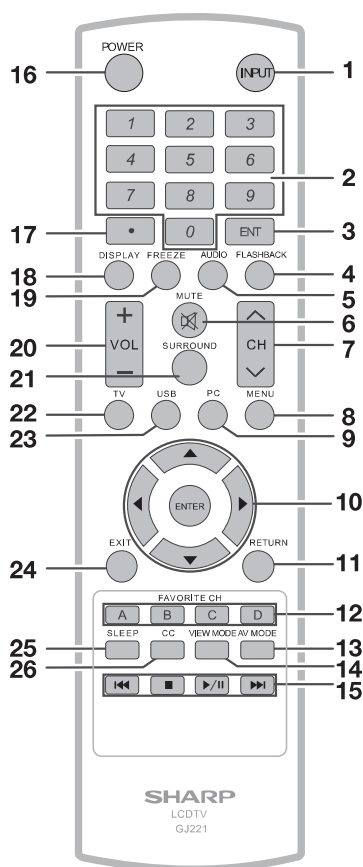


Part Names

Remote Control Unit

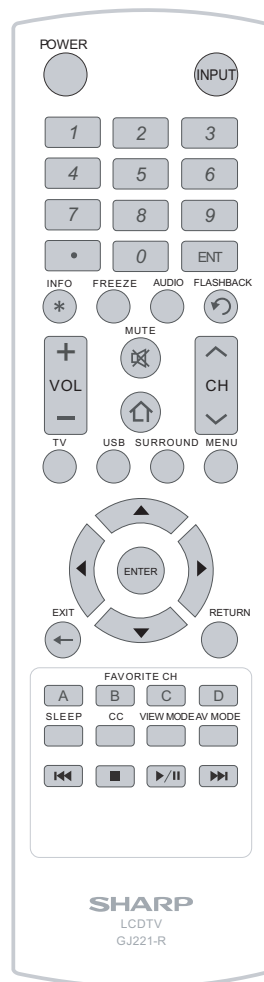


NOTE

- When using the remote control unit, point it at the TV.

- 1 **INPUT:** Select a TV input source. (See page 25.)
- 2 **0-9:** Set the channel.
- 3 **ENT:** Jumps to a channel after selecting with the 0-9 buttons.
- 4 **FLASHBACK:** Press to switch to the previously tuned channel or external input mode. Press again to switch back to the currently tuned channel or external input mode.
- 5 **AUDIO:** Display the MTS/SAP setting menu. (See page 26-27.)
- 6 **MUTE:** Mute the sound. (See page 25.)
- 7 **CH[^]/_v:** Select the channel. (See page 25.)
- 8 **MENU:** Display the menu screen.
- 9 **PC:** Direct switch PC source.
- 10 **▲/▼/◀/▶, ENTER:** Select a desired item on the screen. (See page 31.)
- 11 **RETURN:** Return to the previous menu screen.
- 12 **FAVORITE CH:**
A, B, C, D: Select 4 preset favorite channels in 4 different categories. (See page 34 for details.) While watching, you can toggle the selected channels by pressing A, B, C and D.
- 13 **AV MODE:** Select an adjusted picture settings. (**Standard, Movie, Power Saver User, Dynamic**) (See page 26.)
- 14 **VIEW MODE:** Select the Picture Mode. (See page 28.)
- 15 **◀◀ ◻ ▶▶:** Only for USB .
- 16 **POWER:** Switch the power on or enters standby mode. (See page 19.)
- 17 **• (DOT):** (See page 25.)
- 18 **DISPLAY:** Display the current channel (or input source) information on the screen.
- 19 **FREEZE:** Set the still image. Press again to return to normal screen.
- 20 **VOL +/−:** Set the volume. (See page 25.)
- 21 **SURROUND:** Display the surround setting menu. (See page 26.)
- 22 **TV:** Direct switch TV source.
- 23 **USB:** Direct switch USB source.
- 24 **EXIT:** Turn off the menu screen.
- 25 **SLEEP:** Allows you to set a time when the TV automatically switches to standby. This display will disappear after a few seconds, and the sleep timer automatically starts counting down. (See page 25.)
- 26 **CC:** Display captions during closed-caption source. (See page 27.)

Direct Button Operation



Changing Channels

You can change channels in several ways.

Method 1

Using **CH** \wedge/\vee on the remote control unit.

Method 2

Using remote control buttons **0-9**, **• (DOT)**.

Examples:

To select a 1 or 2-digit channel number (e. g., Channel 5):

Press **5** \rightarrow **ENTER**.

To select a 3-digit channel number (e. g., Channel 115):

Press **1** \rightarrow **1** \rightarrow **5** \rightarrow **ENTER**.

To select a 4-digit channel number (e. g., Channel 22.1):

Press **2** \rightarrow **2** \rightarrow **• (DOT)** \rightarrow **1** \rightarrow **ENTER**.

NOTE

- When selecting a 1-digit channel number, it is not necessary to press **0** before the number.
- When you enter **0-9** only, channel selection will be made if there is no operation within a few seconds.
- If you push "0" by itself, nothing will happen.
- Complete the above steps within a few seconds.
- When you enter **0-9** and **• (DOT)**, channel selection will be made if there is no operation within a few seconds.

Changing Volume

You can change the volume by pressing **VOL + / -** on the remote control unit.

- To increase the volume, press **VOL +**.
- To decrease the volume, press **VOL -**.

HOME

Press **HOME** to divert the display screen to ROKU main page when ROKU Streaming Sticker is plugged into the HDMI IN 3 (MHL) port of the TV.

INPUT

To view external source images, select the input source by pressing **INPUT** on the remote control unit.

1 Press **INPUT**.

- The **INPUT** list screen displays.

2 Press $\blacktriangle/\blacktriangledown$ or press **INPUT** again to select the input source.

- An image from the selected source automatically displays.
- Each time **INPUT** is pressed, the input source toggles.
- If you press $\blacktriangle/\blacktriangledown$ to select the input source, press **ENTER** to confirm your selection.

NOTE

- See pages 9 to 12 for external equipment connection.

MUTE

Mutes the current sound output.

Press **MUTE**.

NOTE

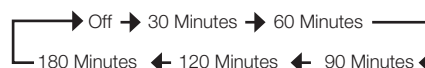
- Mute can be cancelled if you press **VOL + / -** or **MUTE**.

SLEEP

Allows you to set a time when the TV automatically switches to standby.

Press **SLEEP**.

- The remaining time displays when the sleep timer has been set.
- Each time you press **SLEEP**, the remaining time switches as shown below.



- When set, the time automatically starts counting down.
- If you want to adjust the sleep timer, you can press **SLEEP** twice then change the time setting.

NOTE

- Select "Off" by pressing **SLEEP** to cancel the sleep timer.
- The TV will enter standby when the remaining time reaches 0.

FLASHBACK

Press **FLASHBACK** to switch to the previously tuned channel or previous input mode.

- Press **FLASHBACK** again to switch back to the currently tuned channel.

NOTE

- **FLASHBACK** will not work if no channel has been changed after the TV is turned on.

SURROUND

The surround function produces Surround effect from the speakers. Press **SURROUND** to select the desired Surround effect.

FREEZE

Allows you to capture and freeze a moving image that you are watching.

Press **FREEZE**.

- A moving image is captured.
- Press **FREEZE** again to cancel the function.

AV MODE

AV MODE gives you several viewing options to choose from to best match the surrounding environment of the TV, which can vary due to factors like room brightness, type of program watched or the type of image input from external equipment.

Press **AV MODE** repeatedly to select desired setting:

Standard (Energy Star): For a highly defined image in a normal lighting.

Movie: For a movie.

Game: Suitable for game playing. You can configure the settings according to the type of the game.

DYNAMIC: For viewing vivid and clear images.

Sport: For a clear-cut image emphasizing high contrast, useful for sports viewing.

User: Allows the user to customize settings as desired. You can set the mode for each input source.

- Press **AV MODE** again before the mode displayed on the screen disappears.

Direct Button Operation

AUDIO

Allows you to select a preset audio option optimized for different sounding conditions.

Press **AUDIO** repeatedly to select desired setting: SAP, Mono, or Stereo.

You can enjoy Hi-Fi stereo sound or SAP broadcasts where available.

- **Stereo broadcasts:** View programs like live sporting events, shows and concerts in dynamic stereo sound.
- **SAP broadcasts:** Receive TV broadcasts in either MAIN or SAP sound.
MAIN sound: The normal program soundtrack (either in mono or stereo).
SAP sound: Listen to a second language, supplementary commentary or other information. (SAP is mono sound.)

If stereo sound is difficult to hear.

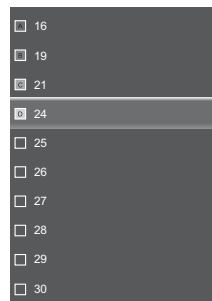
- Obtain a clearer sound by manually switching to fixed mono-sound mode.

FAVORITE CH (Favorite Channel Setting)

This function allows you to program up to 4 favorite channels. By setting the favorite channels in advance, you can select your favorite channel easily.

To register your favorite channel

- 1 Press **MENU** to display the MENU screen.
- 2 Press **◀/▶** to select the **Channel** menu.
- 3 Press **▲/▼** to select the **Skip/Favorite Channel** menu and press **▶/ENTER** to enter its submenu.
- 4 Press **▲/▼** select the channel and press one of the **FAVORITE CH** buttons (**A, B, C, or D**) on the remote control unit to register this channel to the favorite channel for the selected button.



- Set other favorite channels the same way.

- 5 Press **MENU** to exit.

To watch your favorite channel

Press one of the **FAVORITE CH** buttons (**A, B, C, or D**) to watch the preset channel.

Closed Captions and Digital Closed Captions

Your TV is equipped with an internal Closed Caption decoder. It allows you to view conversations, narration and sound effects as subtitles on your TV.

Closed Captions are available on some TV programs and on some VHS home video tapes at the discretion of the program provider.

Digital Closed Caption service is a new caption service available only on digital TV programs (also at the discretion of the service provider). It is a more flexible system than the original Closed Caption system, because it allows for a variety of caption sizes and font styles. When the Digital Closed Caption service is in use, it will be indicated by the appearance of a 3-letter abbreviation that also indicates the language of the Digital Closed Captions: ENG (English), SPA (Spanish), FRA (French) or other language codes.

Not all programs and VHS videotapes offer closed captions.

In the Closed Caption system, there can be more than one caption service provided. Each is identified by its own number. The "CC1" to "CC4" services display subtitles of TV programs superimposed over the program's picture.

In the Closed Caption system, the "TEXT1" to "TEXT4" services display text that is unrelated to the program being viewed (e.g., weather or news). These services are also superimposed over the program currently being viewed.

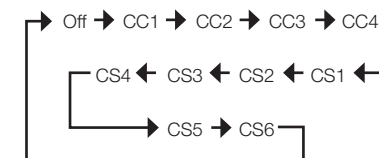
- 1 Press **CC**.
 - This will present the Closed Caption information display.
- 2 Press **CC** while the Closed Caption information is still on the screen.
 - Press repeatedly until you select the desired closed caption service.

Example:

Analog:



Digital:



- The **CC** button keeps a record of the last service selected in its memory.

NOTE

- See page 24 for detailed closed caption settings.
- Caption Display will not work when viewing a 480i, 480p, 720p, 1080i or 1080p input via the COMPONENT: Y-PbPr or HDMI inputs.
- Closed Captions availability and content depends on the broadcaster. Closed Caption are available when the Closed Caption icon is displayed on screen.
- Closed Captions and Digital Captions availability and content depends on the broadcaster. Closed Caption are available when the Closed Caption icon is displayed on screen.

Direct Button Operation

VIEW MODE

You can select the screen size.

1 Press **VIEW MODE**.

- The View Mode menu displays.
- The menu lists the View Mode options selectable for the type of video signal currently being received.

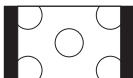
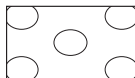


2 Press **VIEW MODE** or **▲/▼** while the View Mode menu is displayed to select a desired item on the menu.

3 Press **ENTER** to confirm the setting.

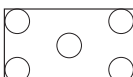

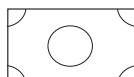
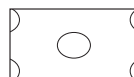
NOTE

- You can have the same settings by choosing "View Mode" on the menu items. (See page 17.)

■ For 4:3 programs

Normal	Wide	Zoom	Panoramic
 <p>Keeps the original aspect ratio in a full screen display. The original 4:3 aspect ratio (1.33:1 source) is preserved, so black bars are added to the left and right of the display image.</p>	 <p>Stretches a 4:3 aspect ratio picture to the edges of the screen.</p>	 <p>Expands images with black bars to fit the screen.</p>	 <p>Expands the display image horizontally on the left and right sides to fill the screen. Images may appear wider than intended. If you are watching widescreen (1.85:1 or 2.35:1) content, black bars will still appear on the top and bottom of the display image.</p>

■ For 16:9 programs

Normal	Wide	Zoom	Stretch
 <p>Keeps the original aspect ratio in a full screen display.</p>	 <p>Stretches proportionately to fill the TV screen.</p>	 <p>Expands images with black bars to fit the screen.</p>	 <p>Expands the display image to fill the screen. Images may appear wider than intended.</p>

NOTE

- Selectable screen size may vary with input signal type.