# DYNEX™ ●●●

## 20" Round Tube TV
Product Description [French]
Product Description [Spanish]

**DX-RCRT20-09**

**DRAFT**

# Dynex DX-RCRT20-09
# 20" Round Tube TV

## Contents

## Important safety instructions



| CAUTION: | TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. |
|---|---|

| | The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock. |
|---|---|
| | The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. |

> **WARNING:** TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
>
> **CAUTION:** TO PREVENT ELECTRIC SHOCK DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTICAL, OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions, unless you are qualified to do so.

## Important safety instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources, such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that product heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A gounding-type plug has to blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience recepticals, and the point where they exit from the apparatus.
11. Only use the attchements/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15  The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

16  The mains plug or appliance inlet is used as the disconnect device, remain it readily operable during the apparatus normal use.
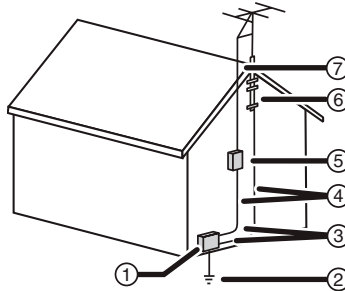


| Reference | Grounding component |
|-----------|---------------------|
| 1 | Electric service equipment |
| 2 | Power service grounding electrode system (NEC Art 250, Part H) |
| 3 | Ground clamp |
| 4 | Grounding conductors (NEC Section 810-21) |
| 5 | Antenna discharge unit (NEC Section 810-20) |
| 6 | Ground clamp |
| 7 | Antenna lead-in wire |

- Use No. 10 AWG (5.3 mm$^2$) copper, No. 8 AWG (8.4 mm$^2$) aluminum, No. 17 AWG (1.0 mm$^2$) copper-clad steel or bronze wire, or larger, as a ground wire.
- Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4-6 feet (1.22 -1.83 m) apart.
- Mount the antenna discharge unit as close as possible to where lead-in enters house.
- Use jumper wire not smaller than No. 6 AWG (13.3 mm$^2$) copper, or the equivalent, when a separate antenna-grounding electrode is used. See ANSI/NFPA70.

- An outside antenna system should not be located in the vicinity of overhead power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- For added protection for the TV during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect it from the antenna or cable system. This prevents damage to the TV due to lightning and power line surges.

**Note to cable TV system installer**

This reminder is provided to call the cable TV system installer's attention to Section 820 40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

# Features

## Parts and functions

### Front
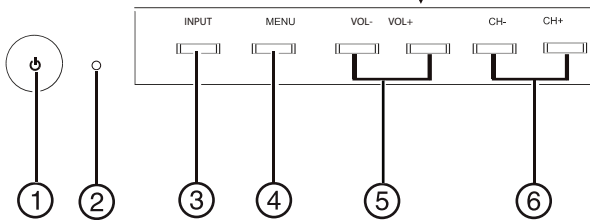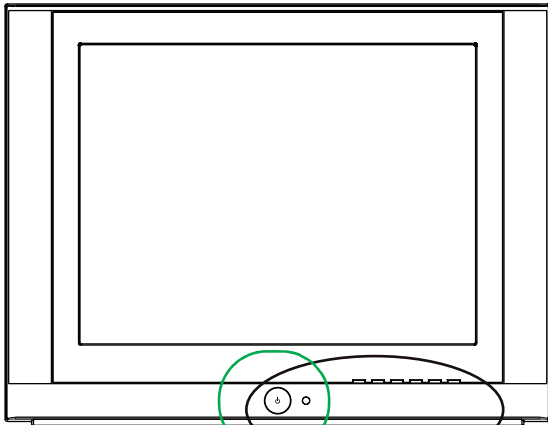


| Item | Name | Function or control |
|------|------|---------------------|
| 1 | Power button and power indicator | Press to turn on the TV. Press again to turn off the TV. Lights green when the power is turned on. |
| 2 | Remote sensor | Receives the signal from the remote control |
| 3 | INPUT button | Press to select the TV signal source (Analog TV, Digital TV, AV, [S-VIDEO], COMPONENT). |

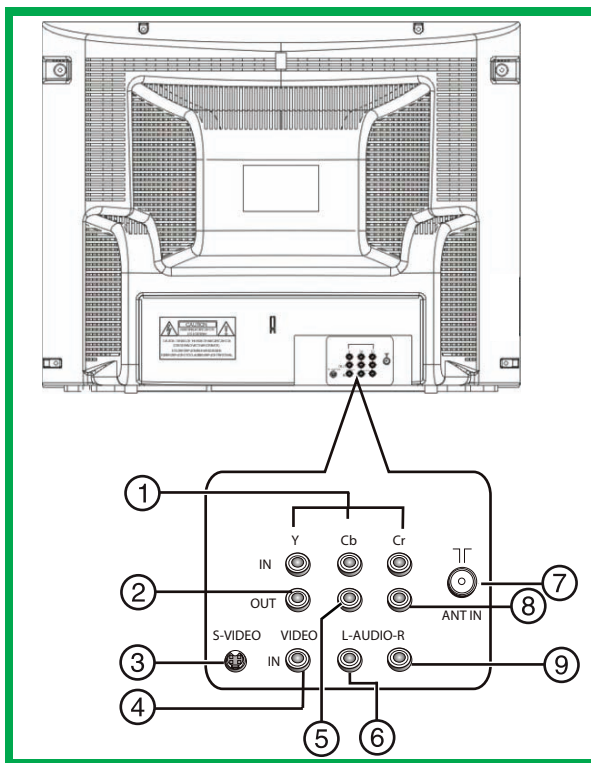| Item | Name | Function or control |
|------|------|---------------------|
| 4 | MENU button | Press to open the on-screen display (OSD) |
| 5 | VOL-/VOL+ buttons | Press to decrease or increase the volume. When the OSD is open, press to adjust the options. |
| 6 | CH-/CH+ buttons | Press to select a lower or higher channel. When the OSD is open, press to make selections. |

**Rear**



| Item | Name | Function or control |
|------|------|---------------------|
| 1 | COMPONENT input jacks | Connect the Y, $C_B$, and $C_R$ cables from an external AV source to these jacks. |
| 2 | Video output jack | Connect a video (yellow) cable from this jack to an external monitor or display. |
| 3 | S-VIDEO input jack | Connect the S-Video cable from an external video source to this jack. |
| 4 | VIDEO input jack | Connect the video (yellow) cable from an external AV source to this jack. |
| 5 | Left AUDIO output jack | Connect the audio left (white) cable from this jack to an external audio amplifier. |

| Item | Name | Function or control |
|------|------|---------------------|
| 6 | Left AUDIO input jack | Connect the audio left (white) cable from an external AV source to this jack. |
| 7 | Antenna jack | Connect the 75 ohm antenna cable from:<br>• an indoor antenna<br>• an outdoor antenna<br>• the cable TV cable<br>• the satellite cable<br>• the cable from a descrambler box |
| 8 | Right AUDIO output jack | Connect the audio right (red) cable from this jack to an external audio amplifier. |
| 9 | Right AUDIO input jack | Connect the audio right (red) cable from an external AV source to this jack. |

## Remote control
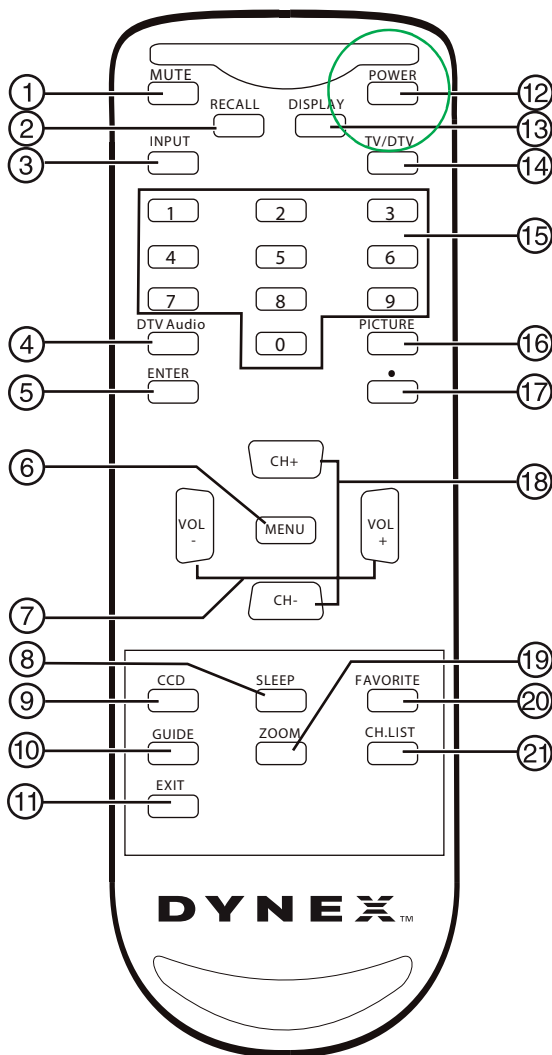


| Item | Button | Description |
|------|--------|-------------|
| 1 | MUTE | Press this button once to turn off the sound. Press this button again, or the **VOL +** button, to restore the sound. |
| 2 | RECALL | Press to return to the previously selected channel. |

| Item | Button | Description |
|---|---|---|
| 3 | INPUT | Press this button to select the video input source. (TV, AV, [S-VIDEO], COMPONENT) |
| 4 | DTV Audio | Press to choose between different TV program languages when the signal contains different languages. |
| 5 | ENTER | Press to make or confirm selections in the on-screen display (OSD) menus. |
| 6 | MENU | Press to open the OSD. |
| 7 | VOL– / VOL+ | Press to decrease or increase the volume. In some cases, press this button to change an OSD setting. |
| 8 | SLEEP | Press this button to set the TV to turn off after a preset amount of time. To confirm the sleep time setting, press this button once and the remaining time is momentarily displayed. To cancel sleep time, press this button repeatedly until **OFF** is displayed. |
| 9 | CCD | Press this button to select CCD mode. |
| 10 | GUIDE | Press this button to display the program guide for cable or satellite TV. |
| 11 | EXIT | Press this button to exit the OSD. |
| 12 | POWER | Press this button to turn the TV on. Press again to turn the TV off. |
| 13 | DISPLAY | Press this button to display channel status and signal information. |
| 14 | TV/DTV | Press this button to select analog (TV) or digital (DTV) TV mode. |
| 15 | Number buttons (0-9) | Press these buttons to directly go to any channel. |
| 16 | PICTURE | Press this button to select the picture mode. |
| 17 | • | Press this button to select a digital TV sub-channel. For example, to select channel 54, sub-channel 3, press **54**, press •, press **3**, then press **ENTER**. |
| 18 | CH– / CH+ | Press these buttons to change to a lower or higher numbered channel set into memory. When the OSD is open, press to adjust options and make selections. |
| 19 | ZOOM | Press this button, in 16:9 digital TV mode, to select the aspect ratio of the picture. |
| 20 | FAVORITE | Press this button to open the DTV favorites list. |
| 21 | CH.LIST | Press this button to open the DTV channel list. |

# Setting up your TV

## Connecting your TV to AC power
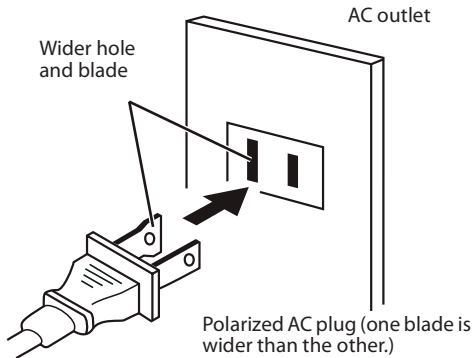


Warning:
- Never connect the AC plug to other than the specified voltage (120V 60 Hz). Use the attached power cord only.
- If the polarized AC cord does not fit into a non-polarized AC outlet, do not file or cut the blade. It is your responsibility to have an electrician replace the obsolete outlet.

*Note:* If you cause a static discharge when touching the TV and the TV fails to work, unplug the TV from the AC outlet, then plug it back in. The TV should work normally.

## Installing batteries in the remote control

Before using the remote control, you must install batteries. Use two AAA size batteries. The batteries may last about one year depending on how much the remote control is used. For best performance, we recommend the batteries should be replaced on a yearly basis, or when the remote control operation becomes erratic. Do not mix old and new batteries or different types of batteries.

**To install batteries in the remote control:**

1  Open the battery compartment cover.
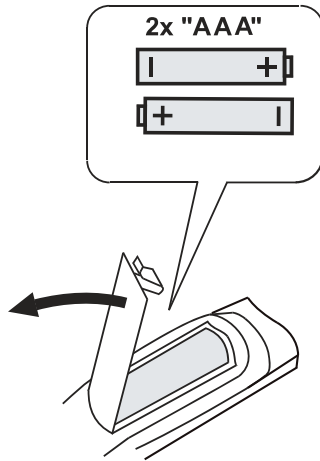


2  Install two AAA batteries (not supplied). Make sure that the + and − symbols on the batteries match the + and − symbols in the battery compartment.

3  Close the battery compartment cover.

## Battery precautions

Follow these precautions when using batteries in this remote control:

- Use only the size and type of batteries specified.
- Make sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may damage the device.
- Do not mix different types of batteries together (such as alkaline and carbon-zinc) or old batteries with fresh ones.
- If the remote control is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
- Do not try to recharge batteries that are not intended to be recharged. These batteries can overheat and rupture (follow battery manufacturer's directions).

**Effective range of the remote control**
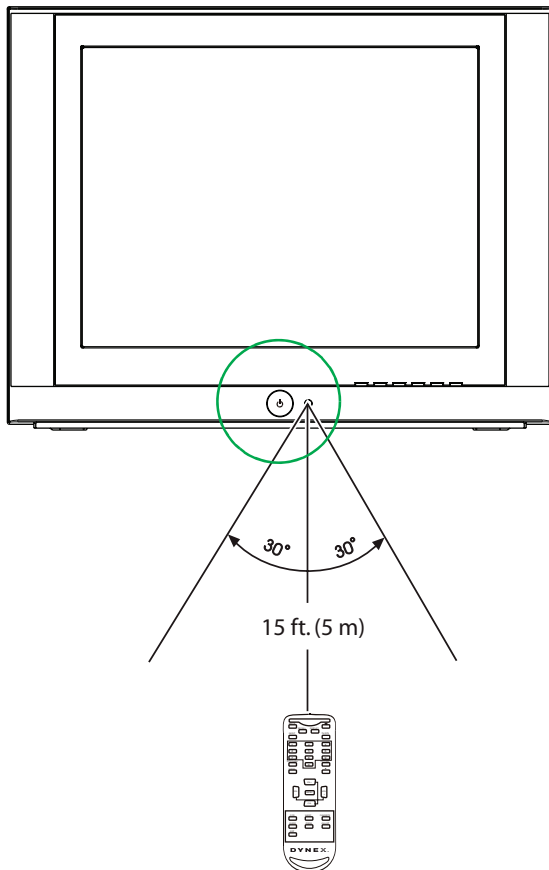


**Notes:**
- The remote control may not work correctly if there is an obstacle between the remote control and the TV.
- Operation of the remote control may be inconsistent when direct sunlight, incandescent or fluorescent light, or any strong light source that shines on the remote sensor of the TV.

# Connecting to an antenna
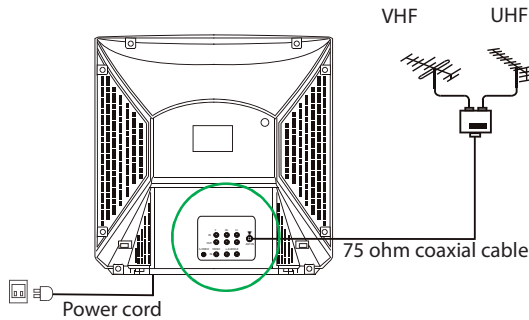


**To connect a combination VHF/UHF antenna (single 75 ohm cable or 300 ohm twin-lead wire) or cable TV:**

- Connect the 75 ohm cable from the combination VHF/UHF antenna or cable TV to the antenna input jack on the TV.

If your combination VHF/UHF antenna has a 300 ohm twin-lead wire, you may need to use a 300-75 ohm matching transformer.
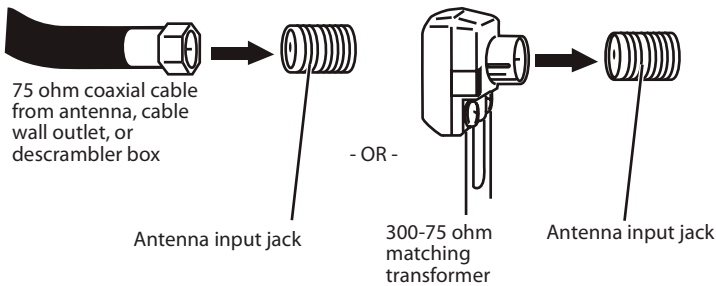


**Notes:**
- We recommend that you use 75 ohm coaxial cable to eliminate interference and noise.
- Antenna cables should not be bundled with electrical power cords.
- If the antenna is not installed correctly, see your dealer for assistance.

**To connect a combination VHF/UHF antenna with separate 300 ohm VHF and UHF twin-lead wires:**

1 Connect the 300 ohm UHF twin-lead wire to the combiner (not-included).

Antenna input jack

Combiner

300 ohm VHF

300 ohm UHF

300-75 ohm matching transformer
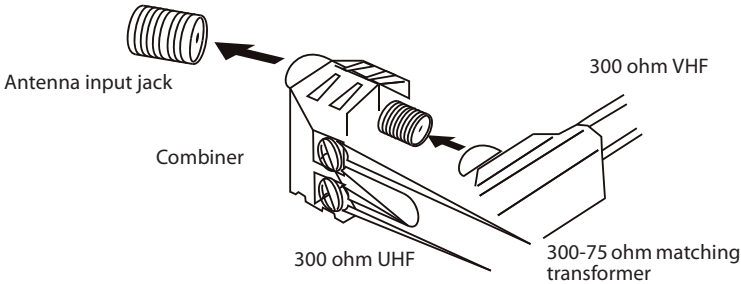
2 Connect the 300 ohm VHF twin-lead wire to the 300-75 ohm matching transformer.

3 Connect the transformer to the combiner, then connect the combiner to the antenna input jack on the back of your TV.

**To connect separate VHF and UHF antennas (75 ohm VHF and 300 ohm UHF twin-lead wires):**

1 Connect the 75 ohm VHF and 300 ohm UHF twin-lead wires to the combiner (not-included).

Antenna input jack

Combiner

75 ohm VHF cable

300 ohm UHF twin-lead wire
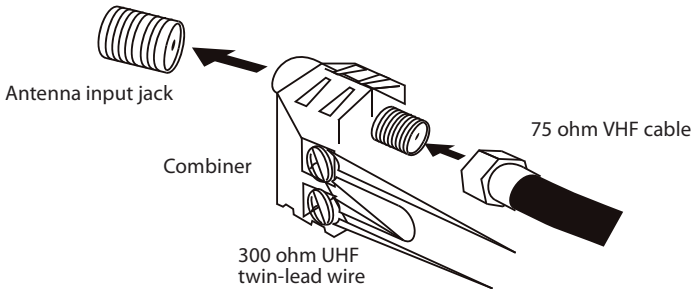
2 Connect the combiner to the antenna input jack on the back of your TV.

# Connecting cable TV

**To connect basic cable (no converter box):**

• Connect the 75 ohm coaxial cable to the antenna input jack on the back of your TV.

75 ohm coaxial cable from cable wall outlet
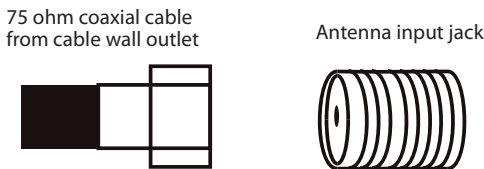
Antenna input jack

**To connect a cable converter box:**

**1** Connect a 75 ohm coaxial cable from the cable TV wall outlet to the antenna input jack on the back of the converter box.

Incoming cable      Converter box      Antenna input jack
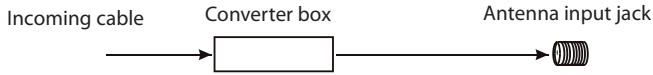
**2** Connect a 75 ohm coaxial cable from the antenna out jack on the back of the converter box to the antenna input jack on the back of your TV.

**To connect cable with both scrambled and unscrambled signals:**

**1** Connect a 75 ohm coaxial cable to a signal splitter (not included).

**2** Connect a 75 ohm cable from the signal splitter to the converter box and another 75 ohm cable to the B connector on an A/B switch (not included).

75 ohm coaxial cable from antenna, cable wall outlet, or descrambler box      Converter box      Antenna input jack

A    B

Signal splitter      A/B switch
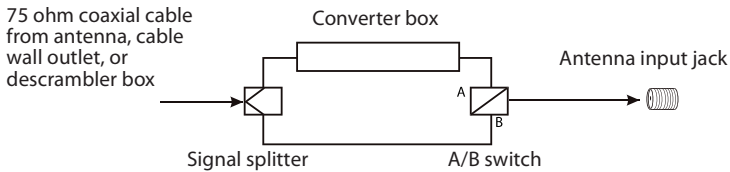
**3** Connect a 75 ohm cable from the antenna out jack on the converter box to the A connector on the A/B switch.

**4** Connect a 75 ohm cable from the output jack on the A/B switch to the antenna in jack on the back of your TV.

**5** Use the A/B switch to switch the signal from scrambled to unscrambled.

# Connecting to other equipment

The exact arrangement you use to connect various video and audio components to the TV is dependent on the model and features of each component. Check the owner's manual provided with each component for the location of video and audio inputs and outputs.

The following connection diagrams are offered as suggestions. You may need to modify them to accommodate your particular components. This diagram is intended to show example video and audio connections only.
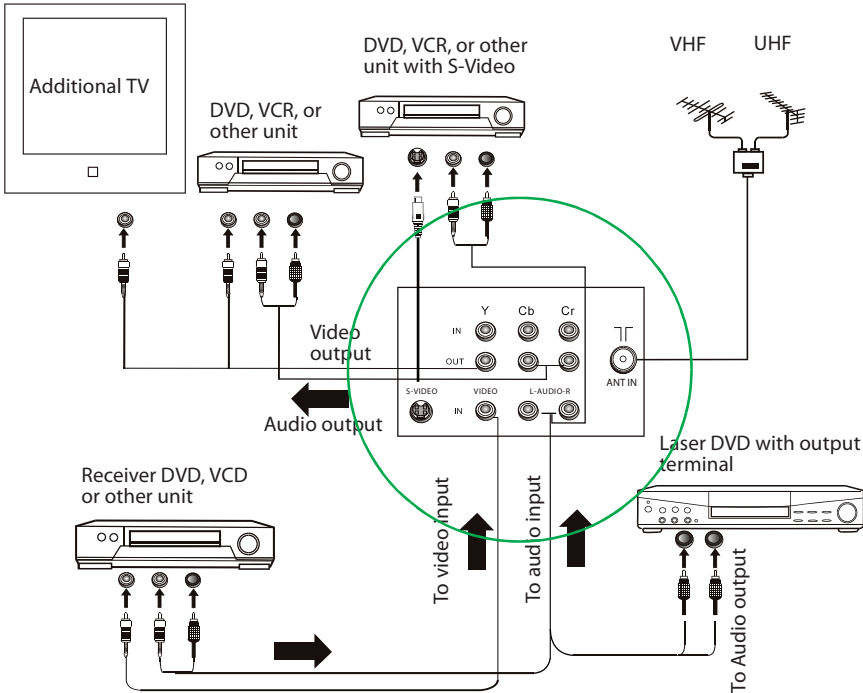


### Selecting the video input source

Press **INPUT** on the remote control or the TV to view a signal from another device connected to your TV, such as a VCR or DVD player. You can select ANT, VIDEO (or S-VIDEO), or COMPONENT, depending on which input jacks you used to connect your devices.

> *Note: The S-Video input uses the same circuit as VIDEO. If both S-Video and VIDEO inputs are connected, the S-Video signal overrides the VIDEO signal and S-VIDEO is shown on the on-screen display. To watch the VIDEO input, disconnect the S-Video cable.*

# Using your TV

*Note:* Unless otherwise stated, all buttons referred to in tasks are on the remote control.

## Turning on your TV

**To turn your TV on or off:**

1  Make sure that the antenna or cable TV system is connected, and the TV is plugged into a power outlet.

2  Press the ⏻ (power) button on the TV or **POWER** on the remote control to turn on the TV.

   *Warning:* The AC plug supplied with this TV is polarized to help minimize the possibility of electric shock. If the polarized AC cord does not fit into a non-polarized AC outlet, do not file or cut the blade. It is your responsibility to have an electrician replace the obsolete outlet. Do not use this plug with an extension cord or other outlet unless the blades can be fully inserted.

3  Press the ⏻ (power) button on the TV or **POWER** on the remote control again to turn off the TV.

   *Note:* You can set the TV to turn off automatically by setting the SLEEP timer. In TV mode, the TV will turn off automatically if there is no input signal for 15 minutes. After you turn off the TV, you should wait at least 5 seconds before you turn it on again.

## Selecting a channel

For information on channel numbering, see "Understanding US channel numbering" on page 17.

**To select a channel:**

- Press **CH –** or **CH +** on the remote control to go to the next lower or higher channel (after the channels have been memorized. See "Setting up the channels" on page 18). Or

  Press the number buttons to select a channel (for example, if you want channel 83, press **8**, then press **3)**. Or

  Press **RECALL** to go to the last viewed channel.

## Understanding US channel numbering

Most digital TV channels have more than one channel. The main channel carries the signal for the main TV program. The sub-channels carry signals for additional or alternate programming, such as a radio or news broadcast.

For example, if the main channel number is 8, the sub-channel number might be 8-1, 8-2, or 8-3.

**To select a sub-channel:**

1  Press the number buttons for the main channel (for example 8).

2  Press the • button, then press the sub-channel button (for example 1).

> **3**  Press **ENTER**.

### Viewing the program guide (digital TV only)

**To view the program guide:**
- Press **GUIDE** on the remote control to display the program guide.

# Adjusting the volume

**To adjust the volume:**
- Press **VOL+** to increase the volume or **VOL−** to decrease the volume.
- Press **MUTE** to mute the sound. Press **MUTE** again to restore the sound (you can also restore the sound by pressing **VOL+**).

# Setting up the channels

The first time you turn on the TV, you should use AUTO SCAN to automatically set up the available channels on your TV. This lets you use the **CH −** or **CH +** buttons to go to the previous or next channels.

**To set up the channels:**

1. Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.
2. Press **VOL+** or **VOL−** to select **CHANNEL**, then press **CH −**. The *CHANNEL* menu opens.



```
                                                      0101

                        CHANNEL

   SKIP            OFF
   RECEPTION       AIR
   AUTO SCAN        ▶
   COLOR SYSTEM    AUTO
```
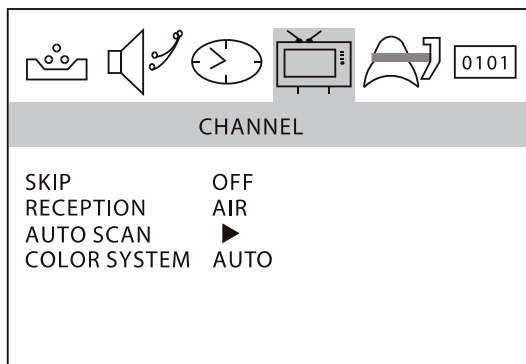
3. Press **CH +** or **CH −** to select **RECEPTION**, then press **VOL+** or **VOL−** to select the signal mode you want. You can select:
   - **AIR**−Analog and digital antenna signals,
   - **CABLE**−Analog and digital cable signals.
4. Press **CH +** or **CH −** to select **AUTO SCAN**, then press **VOL+** to begin scanning for channels.

   The TV begins to search for, and memorize, all available TV channels. This process takes several minutes. When the scan is complete, the lowest memorized channel is displayed. If you press **MENU** during the scan, the scan is cancelled and the lowest memorized channel is displayed.

### Skipping unwanted channels

After saving channels into memory, you can eliminate unwanted channels from memory so that only the channels you want to watch are selected with the **CH+** or **CH−** buttons.

**To delete a memorized analog channel:**

1 Tune to the channel you want to delete.

2 Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

3 Press **VOL+** or **VOL−** to select **CHANNEL**, then press **CH −**. The *CHANNEL* menu opens.

4 Press **CH +** or **CH −** to select **SKIP**, then press **VOL+** or **VOL−** to select **ON**.

*Tip: You can add a channel to memory by using the number buttons to enter the channel number, then completing the steps for deleting a channel and setting the **SKIP** option to **OFF**.*

5 Press **MENU** one or more times to close the OSD.

**To delete a memorized digital channel:**

1 Tune to the channel you want to delete.

2 Press **CH.LIST** to open the *CHANNEL LIST* screen.

3 Press **CH +** or **CH −** to select **SKIP**, then press **VOL+** to select **ON**.

*Tip: You can add a channel to memory by using the number buttons to enter the channel number, then completing the steps for deleting a channel and setting the **SKIP** option to **OFF**.*

4 Press **MENU** one or more times to close the OSD.

## Selecting a different signal source

This TV has one group of AV input terminals, an S-VIDEO input terminal, and set of Component input terminals to enable connection to a DVD, VCR, or other video equipment. For information on connecting your TV to other video equipment, see "Connecting to other equipment" on page 16.

**To select a different signal source:**

- Press **INPUT** repeatedly to cycle through the available input sources. The input sources will be shown on the screen as they are selected.
  *Note: The S-VIDEO input uses the same circuit as VIDEO. If both S-VIDEO and VIDEO inputs are connected, the S-VIDEO signal overrides the VIDEO signal and S-VIDEO is shown on the screen. To watch the VIDEO input, disconnect the S-Video cable.*

To watch TV again, press **INPUT** until the TV program is shown on the screen.

# Adjusting the video

**To adjust the video:**

**1** Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

**2** Press **VOL+** or **VOL–** to select **VIDEO**, then press **CH –**. The *VIDEO* menu opens.

```
┌─────────────────────────────────────────────┐
│  ⌂   ◁ᵒ   ⊃   ▭   ◿   0101                    │
│                                               │
│               VIDEO                           │
│                                               │
│   CONTRAST        80                          │
│   BRIGHTNESS      80                          │
│   COLOR           50                          │
│   SHARPNESS       50                          │
│   TINT             0                          │
│                                               │
└─────────────────────────────────────────────┘
```
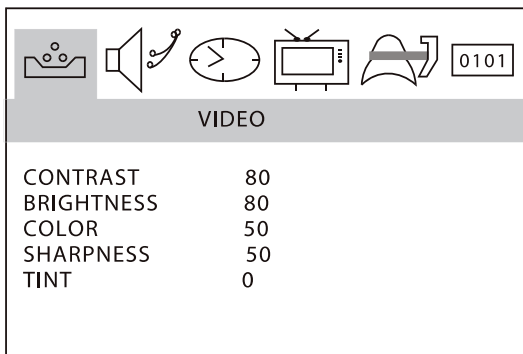
**3** Press **CH +** or **CH –** to select the option you want to adjust, then press **VOL+** or **VOL–** to adjust the option. You can select:

| Option | VOL– | VOL+ |
|--------|------|------|
| CONTRAST | decrease | increase |
| BRIGHTNESS | decrease | increase |
| COLOR | paler color | brilliant color |
| SHARPNESS | softer picture | clearer picture |
| TINT | purplish tint | greenish tint |

**4** Press **MENU** one or more times to close the OSD.

# Selecting a preset Picture mode

**To select a preset Picture mode:**

- Press **PICTURE** on the remote control to cycle through the available picture modes, which include:
  - **MILD** —Select for a finely detailed picture
  - **STANDARD** —Select for a normal picture
  - **VIVID** —Select for a bright and dynamic picture
  - **CUSTOM** —The picture quality you set

# Setting the language

## Setting the on-screen display (OSD) language

You can choose from three different languages (English, French, and Spanish) for the OSD.

**To select an OSD menu language:**

**1** Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

**2** Press **VOL+** or **VOL−** to select **FUNCTION**, then press **CH −**. The *FUNCTION* menu opens.

```
⌒⌒⌒    ◁⌿⌒    ⊃    📺    ⟍    0101

              FUNCTION

   LANGUAGE          ENGLISH
   BLUE SCREEN          ON
   NTSC CAPTION         C1
   PARENTAL  LOCK        ▶
```
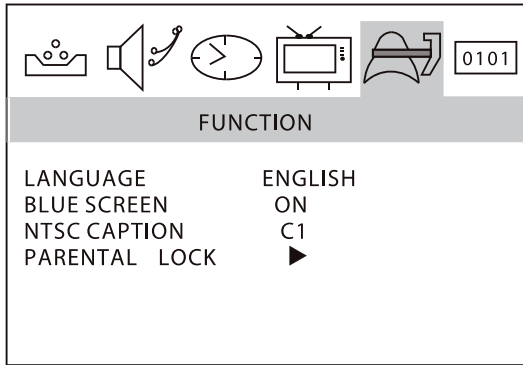
**3** Press **CH +** or **CH −** to select **LANGUAGE**, then press **VOL+** or **VOL−** to select **ENGLISH**, **SPANISH**, or **FRENCH**.

**4** Press **MENU** one or more times to close the OSD.

# Selecting the audio source for digital TV (DTV)

In digital TV mode you can also choose from several different audio languages (depending on the program).

**To select the audio source for DTV:**

• Press **DTV Audio** one or more times to cycle through the available language choices. The first time you press the button, the currently selected language and total number of available languages is shown. Each time you press the button, the language changes.
*Note: If you press **DTV Audio** when an external A/V device is selected, nothing happens.*

# Selecting the color system for analog TV (ATV)

**To select the color system for ATV:**

**1**  Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

**2**  Press **VOL+** or **VOL–** to select **CHANNEL**, then press **CH –**. The *CHANNEL* menu opens.

```
                                                   ┌──────┐
  ⌐○⌐   ◁╱   ⊙   ╔═══╗  ╱═══╗   │ 0101 │
                        ╚═══╝         └──────┘

              CHANNEL

   SKIP           OFF
   RECEPTION      AIR
   AUTO SCAN      ▶
   COLOR SYSTEM   AUTO
```
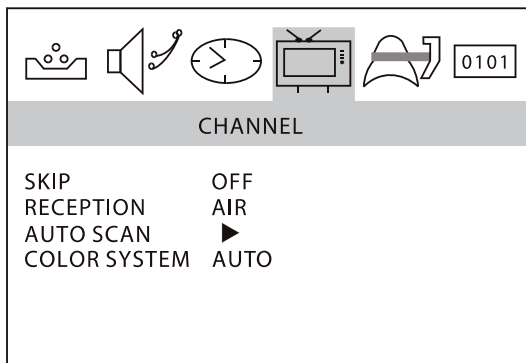
**3**  Press **CH +** or **CH –** to select **COLOR SYSTEM**, then press **VOL+** or **VOL–** to select **AUTO** or **NTSC**.

**4**  Press **MENU** one or more times to close the OSD.

   *Note: The **COLOR SYSTEM** option only appears if the TV signal is analog.*

# Displaying channel and program information

**To display channel and program information for analog TV:**

**1**  Press **DISPLAY**. The currently selected channel and audio mode is displayed in the upper-right corner of the screen.

**2**  Press **DISPLAY** again to turn off the display.

**To display channel and program information for digital TV:**

**1**  Press **DISPLAY**. The currently selected channel and signal mode is displayed in the upper-right corner of the screen.

**2**  Press **DISPLAY** again. Information about the currently selected channel and program appears. The information includes:

  •  Channel title
  •  Audio language
  •  Program content
  •  Program air time
  •  Channel number
  •  Closed caption mode

**3**  Press **DISPLAY** again to turn off the display.

## Setting the time

**To set the time:**

**1** Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

**2** Press **VOL+** or **VOL–** to select **TIME**, then press **CH –**. The *TIME* menu opens.

```
┌─────────────────────────────────────────────┐
│   ⌒⌒    ◁))ⁿ   ⊂>     ☐☰    ⌒☐    0101      │
│                                              │
│                   TIME                       │
│                                              │
│   TIME              --:-- AM                  │
│   TIMER OFF         --:-- AM                  │
│   TIMER ON          --:--AM                   │
│                                              │
└─────────────────────────────────────────────┘
```
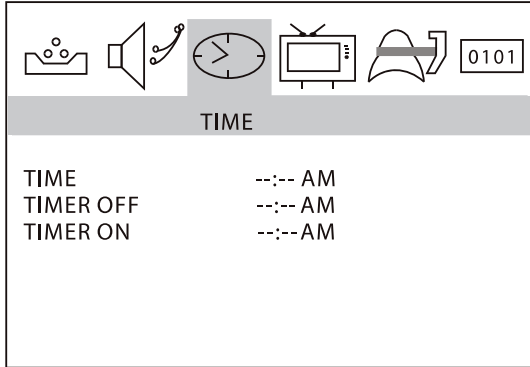
**3** Press **CH +** or **CH –** to select **TIME**, then press **CH +** or **CH –** to select **--:-- AM**.

**4** Press **VOL+** or **VOL–** to change the setting.

**5** Press **MENU** one or more times to close the OSD.

*Note: The time will need to be reset after a power failure or if you disconnect the power cord.*

## Setting the timer

You can use the timer to set when you want your TV to automatically turn on or off. The timer turns your TV on or off each day at the same (set) time. If you want to set a timer to automatically turn off your TV just one time, use the sleep timer (see "To set the sleep timer:" on page 26).

**To set the timer to turn your TV on:**

**1** Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

**2** Press **VOL+** or **VOL–** to select **TIME**, then press **CH –**. The *TIME* menu opens.

```
┌─────────────────────────────────────────────┐
│   ⌒⌒    ◁))ⁿ   ⊂>     ☐☰    ⌒☐    0101      │
│                                              │
│                   TIME                       │
│                                              │
│   TIME              --:-- AM                  │
│   TIMER OFF         --:-- AM                  │
│   TIMER ON          --:--AM                   │
│                                              │
└─────────────────────────────────────────────┘
```
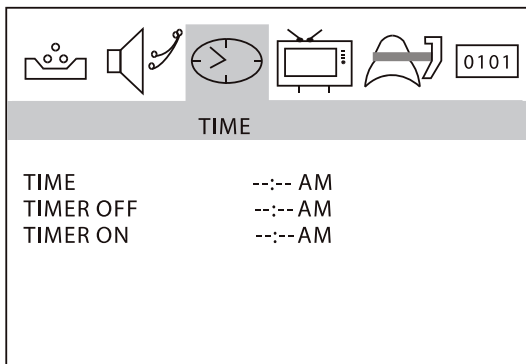
3   Press **CH +** or **CH –** to select **TIME ON**, then press **CH +** or **CH –** to select **--:--** .

4   Press **VOL+** or **VOL–** to set the value.

5   Press **CH +** or **CH –** to select **AM**, then press **VOL+** or **VOL–** to select **AM** or **PM.**

6   Press **MENU** one or more times to close the OSD.
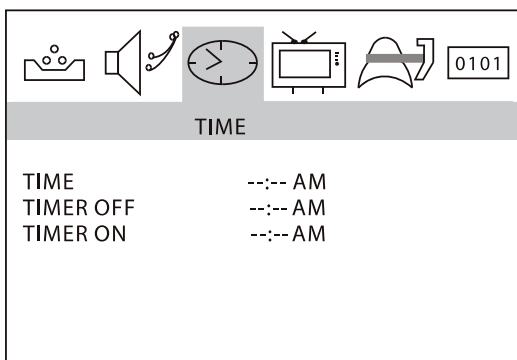
**To set the timer to turn your TV off:**

1   Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

2   Press **VOL+** or **VOL–** to select **TIME**, then press **CH –**. The *TIME* menu opens.



```
                              TIME

TIME                  --:-- AM
TIMER OFF             --:-- AM
TIMER ON              --:-- AM
```

3   Press **CH +** or **CH –** to select **TIME OFF**, then press **CH +** or **CH –** to select **--:--** .

4   Press **VOL+** or **VOL–** to set the value.

5   Press **CH +** or **CH –** to select **AM**, then press **VOL+** or **VOL–** to select **AM** or **PM.**

6   Press **MENU** one or more times to close the OSD.

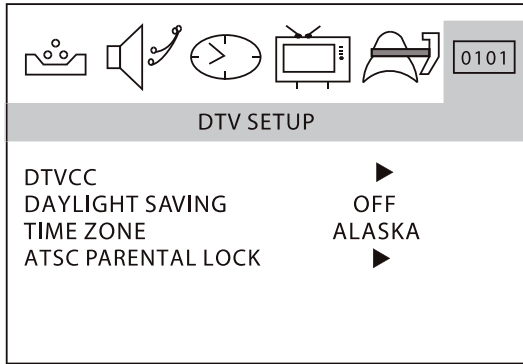# Turning off the daylight saving time feature

Daylight saving time is automatically set by specially broadcast signals. If you live in an area that does not use daylight saving time, you can turn off this feature so the time on your TV is not automatically adjusted.

**To turn off the daylight saving time feature:**

1   Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

**2** Press **VOL+** or **VOL–** to select **DTV SETUP**, then press **CH –**. The *DTV SETUP* menu opens.

```
         0101
      DTV SETUP

DTVCC                    ▶
DAYLIGHT SAVING        OFF
TIME ZONE            ALASKA
ATSC PARENTAL LOCK       ▶
```
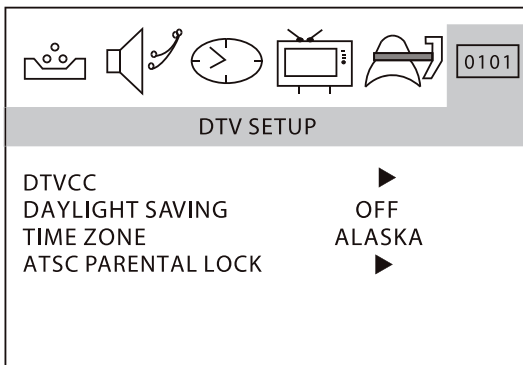
**3** Press **CH +** or **CH –** to select **DAYLIGHT SAVING**, then press **VOL+** or **VOL–** to select **OFF**.

**4** Press **MENU** one or more times to close the OSD.

## Setting the time zone

When you set the time zone, your TV adjusts the time signal from an out-of-area broadcast so the clock displays the correct local time.

**To set the time zone:**

**1** Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

**2** Press **VOL+** or **VOL–** to select **DTV SETUP**, then press **CH –**. The *DTV SETUP* menu opens.

```
         0101
      DTV SETUP

DTVCC                    ▶
DAYLIGHT SAVING        OFF
TIME ZONE            ALASKA
ATSC PARENTAL LOCK       ▶
```

**3** Press **CH +** or **CH –** to select **TIME ZONE**, then press **VOL+** or **VOL–** to select your viewing area's time zone. You can select **NEWFOUNDLAND**, **ATLANTIC**, **EASTERN**, **CENTRAL**, **MOUNTAIN**, **PACIFIC**, **ALASKA**, **HAWAII**, or **SAMOA**.

**4** Press **MENU** one or more times to close the OSD.
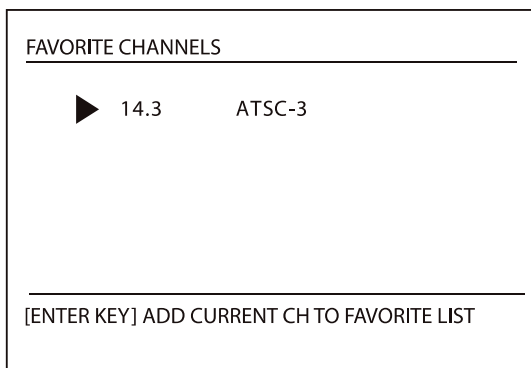
# Setting the sleep timer

**To set the sleep timer:**
1   Press **SLEEP** one or more times to select the amount of time you want your TV to delay before it turns off automatically. You can select **5** minutes, **10** minutes, **15** minutes, **30** minutes, **45** minutes, **60** minutes, **90** minutes, **120** minutes, **180** minutes, or **240** minutes.
2   To turn off the sleep timer, press **SLEEP** one or more times until **OFF** appears on the screen.

# Creating a favorite channel list

**To create a favorite channel list:**
1   Tune to the channel you want to add to the favorite channel list.
2   Press **FAVORITE**. The *FAVORITE CHANELS* screen opens.

```
FAVORITE CHANNELS
_____

     ▶    14.3          ATSC-3




     _____
     [ENTER KEY] ADD CURRENT CH TO FAVORITE LIST
```

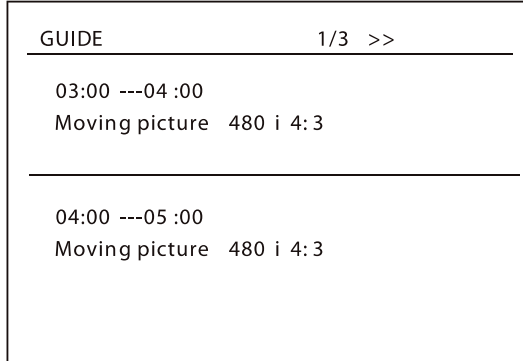3   Press **ENTER** to add the channel to the list.

**To view a favorite channel:**
1   Press **FAVORITE**. The *FAVORITE CHANELS* screen opens.
2   Press **CH +** or **CH –** to select the channel you want to watch. The *FAVORITE CHANNELS* screen closes and your TV tunes to the channel you selected.

# Viewing the DTV program guide

Electronic program guides (EPG) are available for some digital channels or programs. You can view this information by doing the following:

**To view the EPG:**

1   Press **GUIDE**. The *EPG* opens

```
GUIDE                          1/3   >>
 ─────────────────────────────────────────

   03:00 ---04 :00
   Moving picture   480  i  4: 3
 ─────────────────────────────────────────


   04:00 ---05 :00
   Moving picture   480  i  4: 3

```
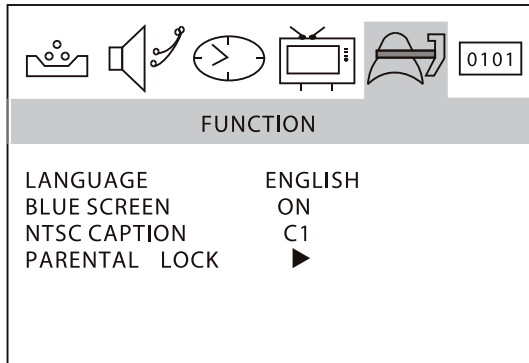
2   Press **VOL+** or **VOL–** to select a program. The information about that program is shown in the EPG.

3   Press **GUIDE** or **EXIT** to close the guide and watch the program you selected.

# Turning the blue screen on or off

When your TV is tuned to a channel that does not have a signal, you can specify whether you want the blank screen to be blue.

**To turn the blue screen on or off:**

1   Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

2   Press **VOL+** or **VOL–** to select **FUNCTION**, then press **CH –**. The *FUNCTION* menu opens.

```
                                      0101

                 FUNCTION

   LANGUAGE            ENGLISH
   BLUE SCREEN           ON
   NTSC CAPTION          C1
   PARENTAL  LOCK        ▶

```

3   Press **CH +** or **CH −** to select **BLUE SCREEN**, then press **VOL+** or **VOL−** to select **OFF** or **ON**.

4   Press **MENU** one or more times to close the OSD.

# Displaying closed captions

This TV has the capability to decode and display closed captioned TV programs. Closed captioning displays text on the screen for hearing-impaired viewers or translates and displays text in another language.

Closed captions are usually displayed in Captions mode or Text mode. Captions mode usually displays captions for the program's audio language. CC1 usually displays English. CC2 usually displays a secondary language. Text mode usually displays other types of information, such as a program schedule.

> *Notes:*
> *- If the program or video you select is not closed-captioned, no captions display on-screen.*
> *- If text is not available in your viewing area, a black rectangle may appear on-screen. If this happens, set the closed caption feature to **OFF**.*
> *- When selecting closed captions, the captioning delays about ten seconds.*
> *- If no caption signal is received, no captions appear, but the TV remains in the caption mode.*
> *- Misspellings or unusual characters may occasionally appear during closed captioning. This is normal with closed captioning, especially with live programs. This is because during live programs, captions are also entered live. These transmissions do not allow time for editing.*
> *- When captions are being displayed, on-screen displays, such as volume and mute, may be seen but may interfere with closed captions.*
> *- Some cable TV systems and copy protection systems may interfere with the closed captioned signal.*
> *- If using an indoor antenna or if TV reception is very poor, the closed caption decoder may not appear or may appear with strange characters or misspelled words. In this case, adjust the antenna for better reception or use an outdoor antenna.*
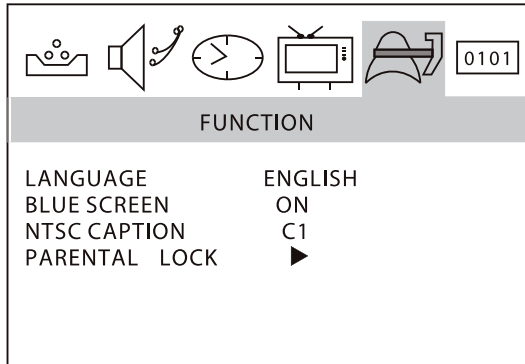
## Viewing closed captions with analog NTSC channels

If your TV is set up to receive analog TV channels and the color system is set to NTSC, you can specify how you want closed captions displayed.

> *Note: You can press **CCD** on the remote control to adjust closed captions.*

**To display closed captions:**

1   Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

**2** Press **VOL+** or **VOL–** to select **FUNCTION**, then press **CH –**. The *FUNCTION* menu opens.

```
[icons]                              0101

              FUNCTION

   LANGUAGE            ENGLISH
   BLUE SCREEN          ON
   NTSC CAPTION         C1
   PARENTAL  LOCK       ▶
```

**3** Press **CH +** or **CH –** to select **NTSC CAPTION**, then press **VOL+** or **VOL–** to select **OFF**, **C1**, **C2**, **C MUTE**, **TEXT1,** or **TEXT2**.

> **Note:** *C1 and C2 display closed captions across the bottom of the TV screen. This type of closed caption is usually the audio portion of the program. TEXT1 and TEXT2 display closed captions in a black box that covers a large portion of the TV screen. These types of closed captions are usually messages provided by the broadcaster.*

**4** Press **MENU** one or more times to close the OSD.
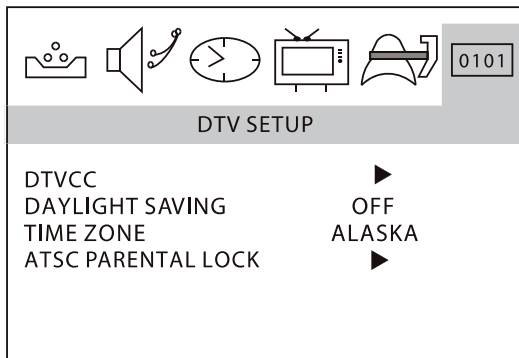
## Viewing closed captions with digital channels

If your TV is set up to receive digital TV channels, you can specify how you want closed captions displayed.

> **Note:** *You can press **CCD** on the remote control to turn closed captions on or off.*

**To turn closed captions on or off:**

**1** Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

**2** Press **VOL+** or **VOL–** to select **DTV SETUP**, then press **CH –**. The *DTV SETUP* menu opens.

```
[icons]                              0101

              DTV SETUP

   DTVCC                    ▶
   DAYLIGHT SAVING         OFF
   TIME ZONE              ALASKA
   ATSC PARENTAL LOCK       ▶
```

**3**  Press **CH +** or **CH –** to select **DTV CC**, then press **VOL+**. The *DTV CC* sub-menu opens.



**4**  Press **CH +** or **CH –** to select **CAPTION MODE**, then press **VOL+**. The *CAPTION MODE* sub-menu opens.

**5**  Press **VOL+** or **VOL–** to select **ON** or **OFF**.

*Note:* *CAPTION MODE must be turned on to select a service level.*

**6**  Press **CH +** or **CH –** to select **DTV CC**, then press **VOL+** or **VOL–** to select the service level you want. There are as many as six service levels. **SERVICE1** provides closed captions for the audio language of the program. **SERVICE2** provides closed captions for a secondary audio language of the program. The other service levels vary, depending on the program.

**7**  Press **MENU** one or more times to close the OSD.

### Customizing closed captions for digital channels

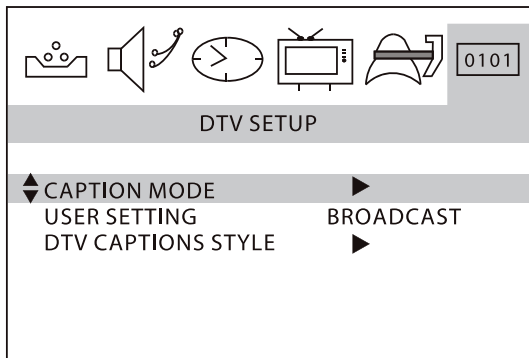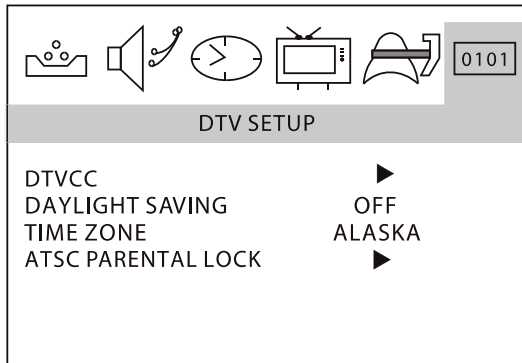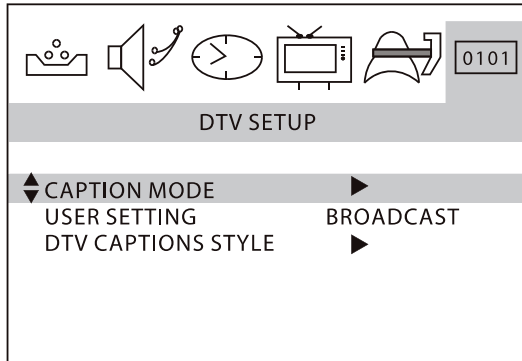You can customize how you want closed captions displayed for digital channels.

*Note: You can press CCD on the remote control to turn closed captions on or off.*

**To customize closed captions:**

**1**  Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

**2**  Press **VOL+** or **VOL–** to select **DTV SETUP**, then press **CH –**. The *DTV SETUP* menu opens.

```
                                    0101

              DTV SETUP

DTVCC                    ▶
DAYLIGHT SAVING          OFF
TIME ZONE                ALASKA
ATSC PARENTAL LOCK       ▶
```

**3**  Press **CH +** or **CH –** to select **DTV CC**, then press **VOL+**. The *DTV CC* sub-menu opens.

```
                                    0101

              DTV SETUP

⬍ CAPTION MODE           ▶
  USER SETTING           BROADCAST
  DTV CAPTIONS STYLE     ▶
```

**4**  Press **CH +** or **CH –** to select **USER SETTING**, then press **VOL+** or **VOL–** to select **CUSTOM**.

**5** Press **CH +** or **CH –** to select **DTV CAPTION STYLE**, then press **VOL+**. The *DTV CAPTION STYLE* sub-menu opens.
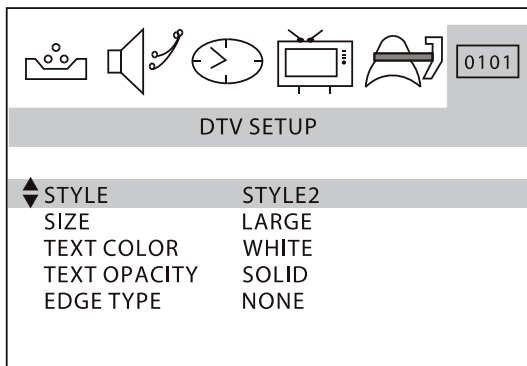


**6** Press **CH +** or **CH –** to select the style option you want to adjust, then press **VOL+** or **VOL–** to adjust the option. (The **BG COLOR and BG OPACITY** options are not visible until you press **CH –** to scroll down the list of options.)

- **STYLE**–Selects the font style. **STYLE1** through **STYLE8** are available.
- **SIZE**–Selects the font size of the caption display. You can select **SMALL**, **STANDARD**, or **LARGE**.
- **TEXT COLOR**–Selects the color of the text.
- **TEXT OPACITY**–Selects the opacity of the text.
- **EDGE TYPE**–Selects the font edge type.
- **BG COLOR**–Selects the color of the background.
- **BG OPACITY**–Selects the opacity of the background.

**7** Press **MENU** one or more times to close the OSD.
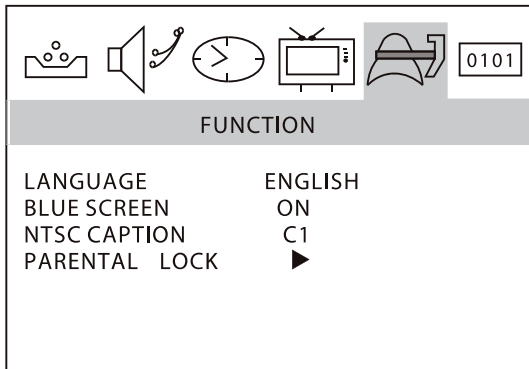
# Setting the parental controls

Your TV has a V-Chip that lets you block certain types of programs and movies. When you block a rating, that rating and all higher ratings are blocked.

To set parental controls or to temporarily override a blocked rating, you must set a password.

> *Caution:* Make sure that you select a password that you can remember, or make sure that you write down the password you select. If you forget your password, you can enter 9443 to reset the password to 0000.
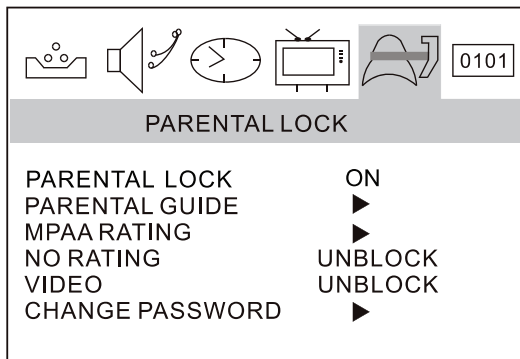
**To set or change a parental controls password:**

1 Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

2 Press **VOL+** or **VOL–** to select **FUNCTION**, then press **CH –**. The *FUNCTION* menu opens.

```
                                    0101
                 FUNCTION

        LANGUAGE          ENGLISH
        BLUE SCREEN         ON
        NTSC CAPTION        C1
        PARENTAL  LOCK       ▶
```

3 Press **CH +** to select **PARENTAL LOCK**, then press **VOL+**. The *PLEASE ENTER PASSWORD* screen opens.

4 Press the number buttons on the remote control to enter the old password. The default password is **0000**. After you enter the password, the *PARENTAL LOCK* menu opens.

*Note:* If you forget the old password, enter **9443** to reset the password.

```
                                    0101
              PARENTAL LOCK

        PARENTAL LOCK        ON
        PARENTAL GUIDE        ▶
        MPAA RATING           ▶
        NO RATING         UNBLOCK
        VIDEO             UNBLOCK
        CHANGE PASSWORD       ▶
```
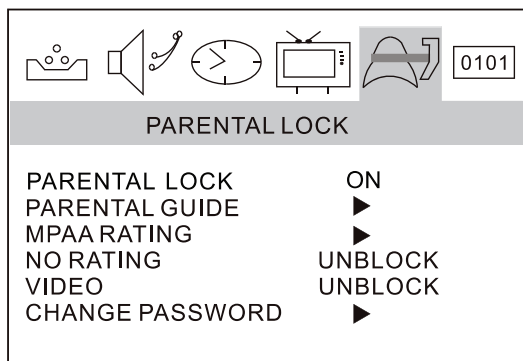
5   Press **CH –** to scroll down to **CHANGE PASSWORD**, then press **VOL+**. (This option is not visible until you scroll down the list of options.)

6   Press the number buttons on the remote control to enter the new password, then reenter the new password to confirm.

7   Press **MENU** one or more times to close the OSD.

**To turn the parental lock on or off:**

1   Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

2   Press **VOL+** or **VOL–** to select **FUNCTION**, then press **CH –**. The *FUNCTION* menu opens.

```
                                                    0101

                         FUNCTION

         LANGUAGE              ENGLISH
         BLUE SCREEN             ON
         NTSC CAPTION            C1
         PARENTAL   LOCK         ▶
```

3   Press **CH +** to select **PARENTAL LOCK**, then press **VOL+**. The *PLEASE ENTER PASSWORD* screen opens.

4   Press the number buttons on the remote control to enter the password. The *PARENTAL LOCK* menu opens.

```
                                                    0101

                       PARENTAL LOCK

         PARENTAL LOCK           ON
         PARENTAL GUIDE          ▶
         MPAA RATING             ▶
         NO RATING             UNBLOCK
         VIDEO                 UNBLOCK
         CHANGE PASSWORD         ▶
```
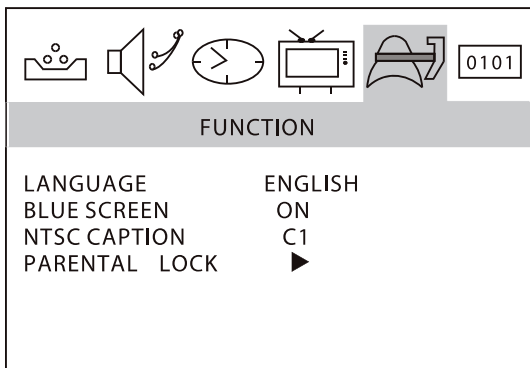
5   Press **CH +** or **CH –** to select **PARENTAL LOCK**, then press **VOL+** or **VOL–** to select **ON** or **OFF**.

6   Press **MENU** one or more times to close the OSD.

**To block or unblock TV ratings:**

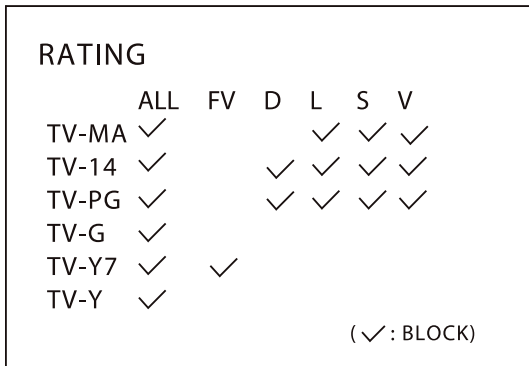**1** Open the *PARENTAL LOCK* menu (see "To turn the parental lock on or off:" on page 34).



```
                                              0101
                   PARENTAL LOCK

        PARENTAL LOCK         ON
        PARENTAL GUIDE        ▶
        MPAA RATING           ▶
        NO RATING             UNBLOCK
        VIDEO                 UNBLOCK
        CHANGE PASSWORD       ▶
```
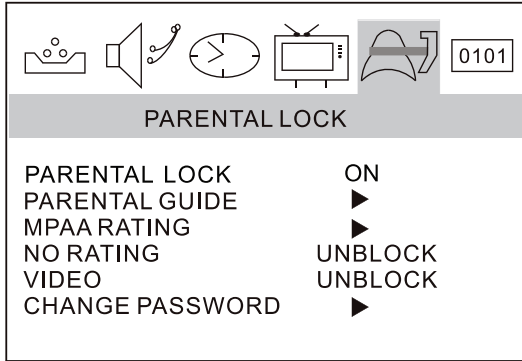
**2** Press **CH +** or **CH −** to select **PARENTAL GUIDE**, then press **VOL+**. The *RATING* screen opens.

```
     RATING

              ALL   FV   D   L   S   V
        TV-MA  ✓              ✓   ✓   ✓
        TV-14  ✓          ✓   ✓   ✓   ✓
        TV-PG  ✓          ✓   ✓   ✓   ✓
        TV-G   ✓
        TV-Y7  ✓          ✓
        TV-Y   ✓
                                  ( ✓ : BLOCK)
```

**3** Press **CH +** or **CH −** to select a TV rating, then press **VOL+** or **VOL−** to block or unblock the rating. Some ratings have sub-ratings that you can block as well. A check mark indicates that a rating or sub-rating is blocked.

**Main TV ratings include:**

- **TV-Y**—All children
- **TV-Y7**—7 years old and above
- **TV-G**—General audience
- **TV-PG**—Parental guidance suggested
- **TV-14**—Parental guidance strongly suggested for children under 14
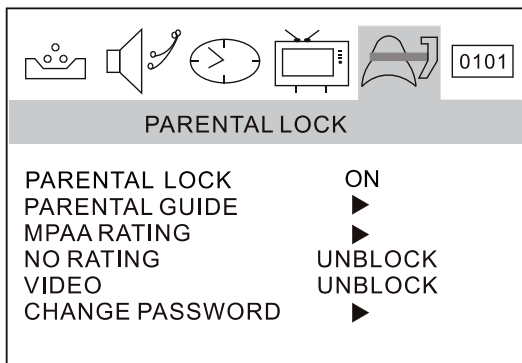- **TV-MA**—Mature audiences only

**TV sub-ratings include:**

- **ALL**–Applies to TV-G, TV-PG, TV-14, and TV-MA. Blocks all programs with these ratings.
- **FV** (fantasy violence)—Applies to TV-Y and TV-Y7.
- **D** (sexual dialog)—Applies to TV-PG and TV-14.
- **L** (adult language)—Applies to TV-PG, TV-14, and TV-MA.
- **S** (sex scenes)—Applies to TV-PG, TV-14, and TV-MA.
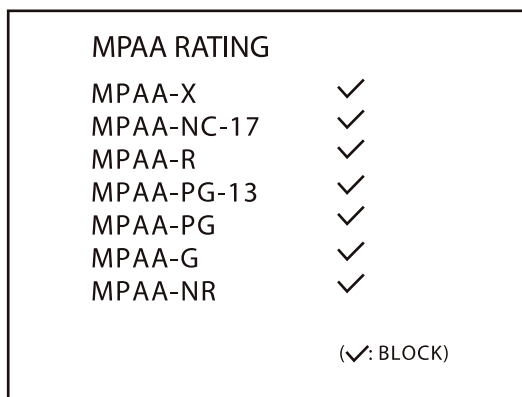- **V** (violence)—Applies to TV-PG, TV-14, and TV-MA.

**4** Press **EXIT** to return to the normal screen.

**To block or unblock movie ratings:**

**1** Open the *PARENTAL LOCK* menu (see "To turn the parental lock on or off:" on page 34).

```
┌──────────────────────────────────────────────┐
│  [icons]                            0101       │
│                                                │
│              PARENTAL LOCK                     │
│                                                │
│   PARENTAL LOCK        ON                      │
│   PARENTAL GUIDE       ▶                        │
│   MPAA RATING          ▶                        │
│   NO RATING            UNBLOCK                  │
│   VIDEO                UNBLOCK                  │
│   CHANGE PASSWORD      ▶                        │
│                                                │
└──────────────────────────────────────────────┘
```

**2** Press **CH +** or **CH –** to select **MPAA RATING**, then press **VOL+**. The *MOVIE RATING* screen opens.

```
┌──────────────────────────────────────────────┐
│        MPAA RATING                             │
│        MPAA-X              ✓                    │
│        MPAA-NC-17          ✓                    │
│        MPAA-R              ✓                    │
│        MPAA-PG-13          ✓                    │
│        MPAA-PG             ✓                    │
│        MPAA-G              ✓                    │
│        MPAA-NR             ✓                    │
│                                                │
│                        (✓: BLOCK)              │
└──────────────────────────────────────────────┘
```

**3** Press **CH +** or **CH –** to select a movie rating, then press **VOL+** or **VOL–** to block or unblock the rating. A check mark indicates that a rating is blocked. When you block a rating, that rating and all higher ratings are blocked.

**MPAA ratings include:**

- **NR**—Not rated
- **G**—General audiences
- **PG**—Parental guidance suggested
- **PG-13**—Parental guidance strongly suggested for children under 13
- **R**—Parental guidance recommended for 17 and under
- **NC-17**—Not recommended for 17 and under
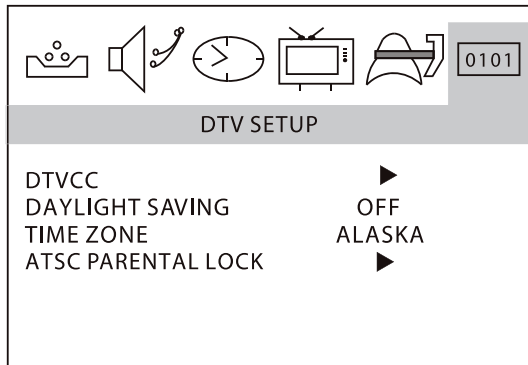- **X**—Adults only

4  Press **EXIT** to return to the normal screen.

## Setting the ATSC parental lock

*Note: The **ATSC PARENTAL LOCK** option only appears if the TV signal carries V-CHIP information.*

**To set the ATSC parental lock:**

1  Press **MENU** on the TV or remote control. The on-screen display (OSD) opens.

2  Press **VOL+** or **VOL–** to select **DTV SETUP**, then press **CH –**. The *DTV SETUP* menu opens.

```
                                            0101

              DTV SETUP

DTVCC                        ▶
DAYLIGHT SAVING              OFF
TIME ZONE                    ALASKA
ATSC PARENTAL LOCK           ▶
```

3  Press **CH +** or **CH –** to select **ATSC PARENTAL LOCK**. The *ENTER CODE* screen opens.

4   Press the number buttons on the remote control to enter the password. The default password is **0000**. The *ATSC PARENTAL LOCK* screen opens.
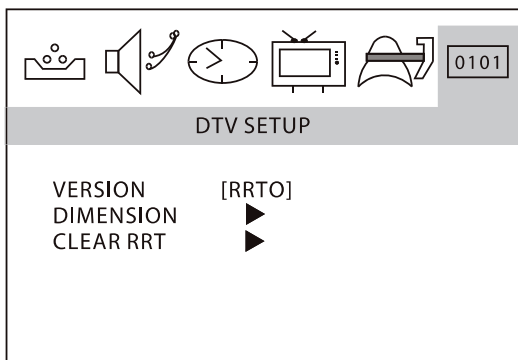


5   Press **CH +** or **CH –** to select an option, then press **VOL+** or **VOL–** to adjust the option. Options include:

- **VERSION**–Displays the V-CHIP broadcast source version.
- **DIMENSION**–The information displayed here varies, depending on the V-CHIP signal.
- **CLEAR RRT**–Clears the version field.

6   Press **MENU** one or more times to close the OSD.

# Troubleshooting

Use the following checklist for troubleshooting when you have problems with your TV. Consult your local dealer or service outlet if problems persist. Be sure all connections are properly made when using with other units.

*Warning:* Do not try to repair your TV yourself. Refer all servicing to qualified service personnel. Do not remove the back cover. Your TV has dangerous electrical voltages inside that may cause a fire or injury.

*Note:* Your TV may make occasional snapping or popping noises. This is caused by materials in the cabinet expanding or contracting when the room temperature changes. This is normal.

| Problem | Solution |
|---|---|
| TV does not operate. | • Make sure the power cord is plugged in.<br>• Try another AC outlet.<br>• Power is off. Check fuse or circuit breaker.<br>• Unplug TV for an hour, then plug it back in. |
| Poor sound or no sound. | • Station or cable experiencing problems. Tune to another station.<br>• Check sound adjustments (volume and mute).<br>• Check for sources of possible interference. |

| Problem | Solution |
|---------|----------|
| Poor picture or no picture. | • Station or cable experiencing problems. Tune to another station.<br>• Make sure channels are set into memory.<br>• Check antenna or cable connections. Adjust the antenna.<br>• Check for sources of possible interference.<br>• Check picture control adjustments. |
| Poor reception on some channels. | • Station or cable experiencing problems. Tune to another station.<br>• Make sure channels are set into memory.<br>• Station is weak. Adjust the antenna to receive the desired station.<br>• Check for sources of possible interference. |
| Poor color or no color. | • Station or cable experiencing problems. Tune to another station.<br>• Check picture control adjustments.<br>• Check antenna or cable connections. Adjust the antenna.<br>• Check for sources of possible interference. |
| Picture wobbles or drifts. | • Station or cable experiencing problems. Tune to another station.<br>• Make sure channels are set into memory.<br>• Cable company is scrambling signal.<br>• Adjust antenna. |
| No CATV reception. | • Check all cable connections.<br>• Set **AIR/CABLE** menu option to the **CABLE** mode.<br>• Station or cable system problems. Try another station. |
| No remote control operation. | • Batteries are weak, dead, or inserted incorrectly.<br>• Remote control is out of range. Move closer to TV (within 15 feet [5 m]).<br>• Make sure the remote control is aimed at the sensor.<br>• Confirm there are no obstructions between the remote control and the TV.<br>• Make sure the power cord is plugged in. |
| TV shuts off. | • No broadcast on tuned station.<br>• Sleep timer is set.<br>• Power interrupted. |
| Closed Caption is not activated. | • TV station experiencing problems or program is not closed captioned. Try another channel.<br>• Check cable connection or VHF/UHF antenna. Adjust the antenna.<br>• Turn closed captioning on in the OSD or press **CCD**. |
| Parental Control is not working correctly. | • Parental control set to **OFF**. Change setting to **ON**.<br>• News or sporting event being broadcast.<br>• Ratings not set. Set ratings as desired. |

# Specifications

Design and specifications are subject to change without notice.

| Color system | ATSC |
|---|---|
| Sound system | Monaural |
| Picture tube | 20" color |
| Sound output power | $2 \times 2$ W (10% THD) |
| Power requirements | AC 120 V ~ 60 Hz |
| Power consumption | 85 Watts |
| Dimensions (WxDxH) | $19.29 \times 22.68 \times 17.64$ inches ($490 \times 576 \times 448$ mm) |
| Accessories | Remote control (1) User Guide (1) Batteries (AAA $\times$ 2) |

# Maintaining

## Cleaning your TV

Clean the screen and cabinet with a soft, lint-free cloth. If the screen or cabinet is especially dirty, moisten a soft, lint-free cloth in a weak detergent solution, squeeze the excess moisture from the cloth, then wipe the screen or cabinet with the cloth. Use a clean cloth to dry the screen or cabinet.

*Caution:* *Avoid the following, because it may cause damage to your TV:*
  *- Cleaning your TV with volatile substances, such as insect sprays, solvents, and thinners.*
  *- Leaving items made from rubber or PVC in contact with your TV for long periods.*
  *- Letting liquids drip into the cabinet*

# Legal notices

### FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If

this equipment does cause harmful interference to radio or TV reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

## FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

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For service and support call (800) 305-2204.

# 90-Day Limited Warranty

Dynex Products ("Dynex") warrants to you, the original purchaser of this new **DX-RCRT 20-09** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of 90 days from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Dynex brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Dynex during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

## How long does the coverage last?

The Warranty Period lasts for 90 days from the date you purchased the Product. The purchase date is printed on the receipt you received with the product.

## What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Dynex repair center or store personnel, Dynex will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Dynex and are not returned to you. If service of Products and parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Dynex Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

## How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a TV with a screen 25 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Dynex-approved repair person dispatched to your home.

## Where is the warranty valid?

This warranty is valid only to the original purchaser of the Product in the United States and Canada.

## What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply

- Attempted repair by anyone other than a facility authorized by Dynex to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

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