

Let's make things better.



Color Television and Remote Control

QUICK USE AND INSTALLATION GUIDE

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• For details on product registration, warranty, and service refer to the other literature included with your TV information packet.

Please retain all these materials and keep them handy for future reference.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD DO NOT EXPOSE THIS UNIT TO RAIN OR EXCESSIVE MOISTURE.

NOTE: This Quick Use Guide may be used with other models. Some of the features listed may or may not apply to your TV.

ANTENNA OR CABLE TV

ANT(ENNA) A & B INPUTS

Your TV has two separate ANT(enna)/Cable inputs on the rear of the set. These two signal inputs offer convenient hook-up options for both normal TV program viewing and Picture-In-Picture (PIP) features.

The ANT(enna) A input is intended for use and viewing on the TV's main screen. Your home's primary Antenna, or Cable TV signal, should be connected to this input for normal TV setup, use and feature operation.

The ANT(enna) B input is a second, or auxiliary signal source, designed to supply your TV's Picture-In-Picture (PIP) feature. For many homes the use of a single existing Antenna (or Cable TV) source, for both ANT A and B, will be the preferred method of connection. This type of connection (optional Signal Splitter required) will work properly for the TV's Main on-screen features, as well as retain all the features designed for PIP. For more details refer to the Picture-In-Picture section in your other owner's manual.

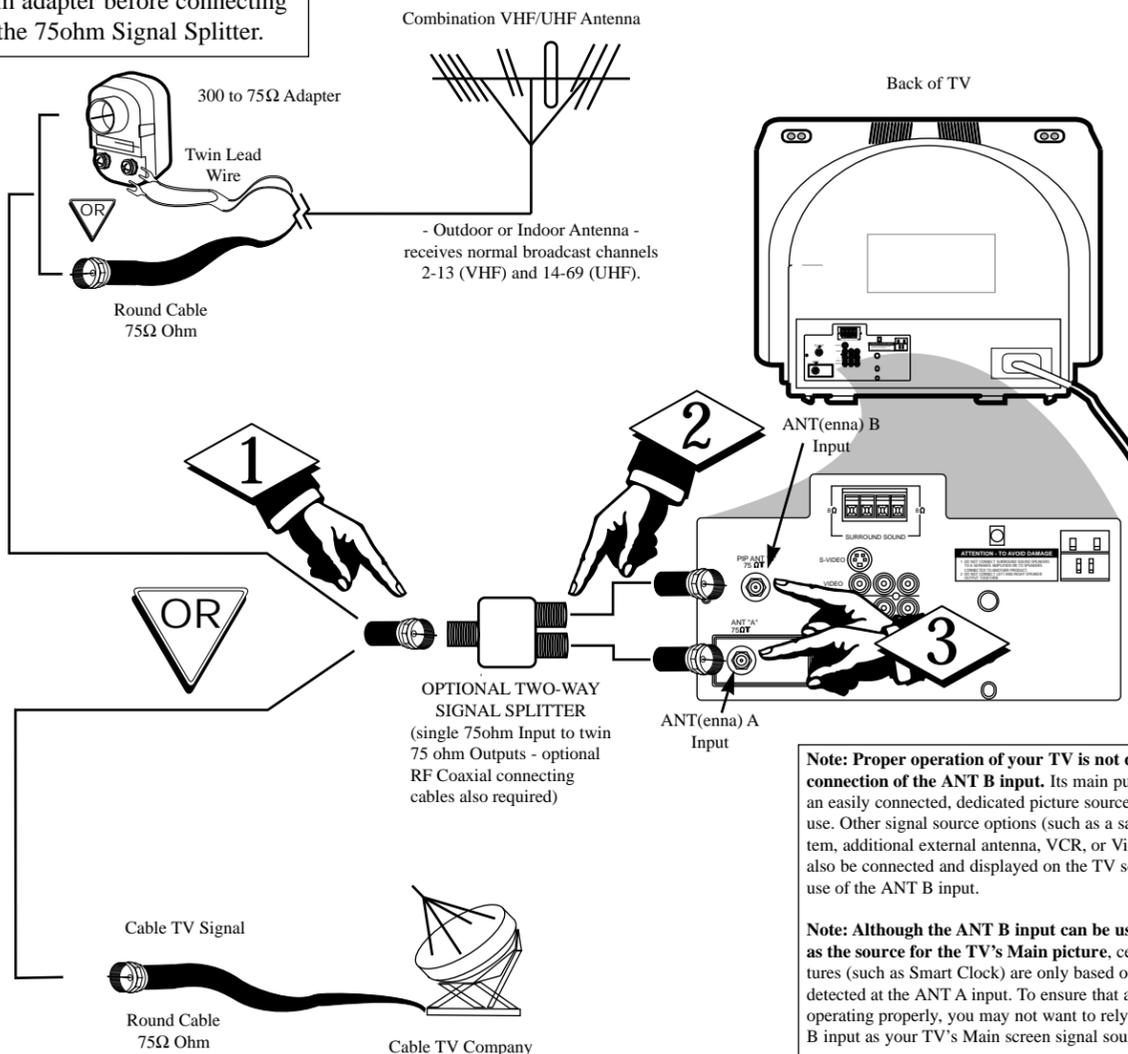
BEGIN

1 A typical ANT(enna) A and B connection (using a common signal source and an optional Signal Splitter):
If your Antenna or Cable TV signal has a round cable connector (75 ohm) on the end, then you're ready to connect it to the 75ohm Signal Splitter.
If your antenna has flat twin-lead wire (300 ohm), you first need to attach the antenna wires to the screws on a 300 to 75 ohm adapter before connecting to the 75ohm Signal Splitter.

2 Connect your Antenna or Cable TV signal to the single 75 ohm input plug on the two-way Signal Splitter (optional). Then connect two lengths of RF Coaxial Cable to the two Output plugs on the two-way Signal Splitter (F-type connector on both ends).

3 Connect the twin Output plugs on the Signal Splitter to the ANT A and ANT B inputs on the rear of the TV. Push the round connector end of the RF Coaxial Cable onto the ANT(enna) plug and screw it down tight (if using threaded cables).

STOP



SMART HELP

Remember, be sure to set the TV for the type signal you've connected (see "TUNER" section on page 2 of this Guide.)

Your TV can set itself to select only the channel numbers on your Cable system (see "Auto Program" page 2). If you use a Cable Converter box, set the TV to the same channel as the converter's CH 3/4 switch (on the rear of the converter.)

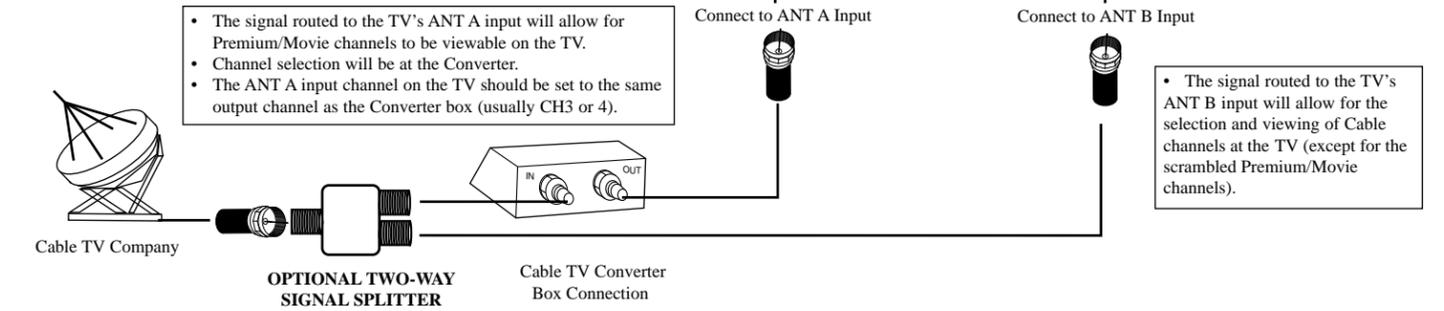
To order accessories such as those listed below contact your dealer or our Parts Information Center at: 1-800-851-8885.

- Two Way Splitter
- 300-75 ohm Adapter
- UHF/VHF Antenna Combiner

CABLE BOX

CABLE CONVERTER BOXES

For homes with Cable TV Converter Descrambler Boxes (with Premium/Movie Channels scrambled), follow the steps to the right for an alternative ANT A and ANT B PIP feature hookup. Note the Cable TV signal will be split before connection to the Converter box (an optional two-way 75 ohm Signal Splitter will be required).



BEGIN

1 Connect your Cable TV signal to the single 75 ohm INPUT plug on a two-way Signal Splitter (optional).

2 Connect one end of RF Coaxial Cable to each of the OUTPUT plugs on the 75 ohm Signal Splitter. The two lengths of RF Coaxial Cable need F-type connectors (screw-on or push type) for both ends.

3 Connect one of the Signal Splitter OUTPUTs to the INPUT terminal on the Cable TV Converter Box. Then route another connection from the Cable Converter OUTPUT terminal to the ANT A Input on the rear of the TV.

4 Connect the remaining Signal Splitter OUTPUT from the Splitter to the ANT B Input on the rear of the TV.

STOP

HOW TO USE THE INSTALLATION FEATURES

LANGUAGE

For our Spanish and French speaking TV owners an on-screen LANGUAGE option is present. With the LANGUAGE control you can set the TV's on-screen menu to be shown in either English, Spanish, or French.

BEGIN

1 Press the **MENU** button on the remote to show the on-screen menu.

2 Press the **CURSOR DOWN** button three times to select the **INSTALL** menu.

3 Press the **CURSOR RIGHT** button and the menu will shift highlighting the **LANGUAGE** feature.

4 Press **CURSOR RIGHT** button to highlight the Language control options.

5 Press the **CURSOR UP** or **DOWN** buttons to select **ENGLISH**, **ESPAÑOL** (Spanish), or **FRANCAIS** (French).

STOP

- PICTURE
- SOUND
- FEATURES
- INSTALL

LANGUAGE
AUTO PROGRAM
TUNER
CHANNEL EDIT
NAME

- INSTALL
- LANGUAGE
- AUTO PROGRAM
- TUNER
- CHANNEL EDIT
- ▼ NAME

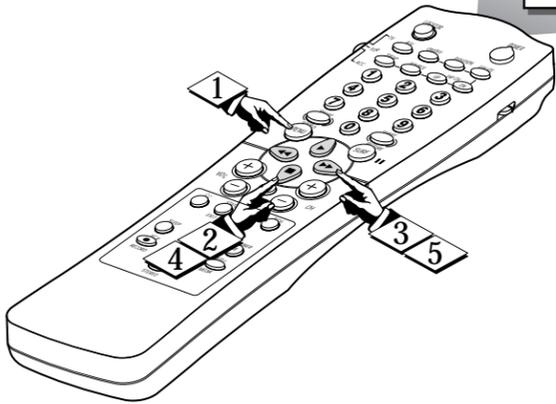
ENGLISH
ESPAÑOL

- INSTALAR
- IDIOMA
- AUTO PROGRAM
- SINTONIA
- ED. DE CANAL
- NOMBRE

ESPAÑOL
FRANCAIS

- INSTALL
- LANGUE
- AUTO PROGRAM
- SYNTON
- CHANNEL EDIT
- ▼ NOM DU CANAL

FRANCAIS



SMART HELP

Remember, the Language control only makes the TV's on-screen MENU items appear in English, Spanish, or French text.

It does not change the other on-screen text features such as Closed Caption (CC) TV shows.

AUTO PROGRAM

Your TV can automatically set itself for local area (or Cable TV) channels. This makes it easy for you to select only the TV stations in your area when the CHANNEL (+), (-) buttons are pressed.

Note: Auto Program will automatically detect if cable or antenna channels are being received and change the TUNER feature to the correct setting.

BEGIN

1 Press the **MENU** button on the remote to show the on-screen menu.

2 Press the **CURSOR DOWN** button three times to select the **INSTALL** menu.

3 Press the **CURSOR RIGHT** button and the menu will shift highlighting the **LANGUAGE** feature.

4 Press **CURSOR DOWN** button to highlight the **AUTO PROGRAM** control.

5 Press the **CURSOR RIGHT** button to start the Auto Program scanning of channels

STOP

- PICTURE
- SOUND
- FEATURES
- INSTALL

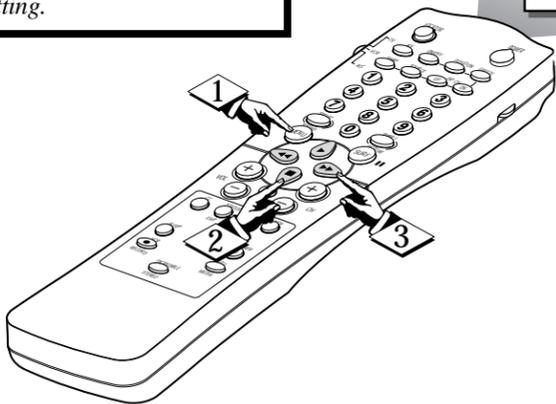
LANGUAGE
AUTO PROGRAM
TUNER
CHANNEL EDIT
NAME

- INSTALL
- LANGUAGE
- AUTO PROGRAM
- TUNER
- CHANNEL EDIT
- ▼ NAME

- INSTALL
- AUTO PROGRAM
- TUNER
- CHANNEL EDIT

CABLE
12

- INSTALL
- LANGUAGE
- AUTO PROGRAM
- TUNER
- CHANNEL EDIT
- ▼ NAME



SMART HELP

Try it out. Press the CHANNEL (+), (-) buttons and see which channels you can select.

Remember, an antenna or cable TV signal must be first connected to your TV.

If you want to delete any unwanted channels from the TV's memory, see the CHANNEL EDIT section on the next page.

TUNER

You need to make sure the TV is set to pick up either Cable TV or Antenna signals. In other words, the TV needs to know if you want to receive channels coming from a Cable TV signal or a normal Antenna signal connected to the TV's ANT Input.

BEGIN

1 Press the **MENU** button on the remote to show the on-screen menu.

2 Press the **CURSOR DOWN** button three times to select the **INSTALL** menu.

3 Press the **CURSOR RIGHT** button and the menu will shift highlighting the **LANGUAGE** feature.

5 Press the **CURSOR RIGHT** button to highlight the **TUNER** options

4 Press the **CURSOR DOWN** button to highlight the **TUNER** control.

6 Press the **CURSOR UP** or the **CURSOR DOWN** button to select either **CABLE** or **ANTENNA**

STOP

- PICTURE
- SOUND
- FEATURES
- INSTALL

LANGUAGE
AUTO PROGRAM
TUNER
CHANNEL EDIT
NAME

- INSTALL
- LANGUAGE
- AUTO PROGRAM
- TUNER
- CHANNEL EDIT
- ▼ NAME

ENGLISH
ESPAÑOL

- INSTALL
- LANGUAGE
- AUTO PROGRAM
- TUNER
- CHANNEL EDIT
- ▼ NAME

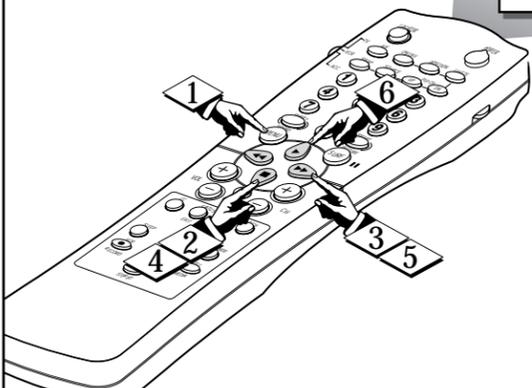
CABLE

- INSTALL
- LANGUAGE
- AUTO PROGRAM
- TUNER
- CHANNEL EDIT
- ▼ NAME

CABLE

- INSTALL
- LANGUAGE
- AUTO PROGRAM
- TUNER
- CHANNEL EDIT
- ▼ NAME

ANTENNA



SMART HELP

When **CABLE** is selected, channels 1-125 are available.

When **ANTENNA** is selected, channels 2-69 are available.

HOW TO USE THE INSTALLATION FEATURES

CHANNEL EDIT

BEGIN

Channel Edit makes it easy for you to ADD or DELETE channels from the list of channels stored in the TV's memory.

1 Press the **MENU** button on the remote to show the on-screen menu.

2 Press the **CURSOR DOWN** button three times to select the **INSTALL** menu.

```

    ■ PICTURE
    ■ SOUND
    ■ FEATURES
    ▲ INSTALL
    LANGUAGE
    AUTO PROGRAM
    TUNER
    CHANNEL EDIT
    NAME
    
```

3 Press the **CURSOR RIGHT** button and the menu will shift highlighting the **LANGUAGE** feature.

4 Press the **CURSOR DOWN** button to highlight the **CHANNEL EDIT** control.

```

    ■ INSTALL
    ■ LANGUAGE
    ■ AUTO PROGRAM
    ■ TUNER
    ▲ CHANNEL EDIT
    ▼ NAME
    CHANNEL
    ADD
    
```

5 Press the **CURSOR RIGHT** button to highlight the **CHANNEL EDIT** options.

6 Select the channel you want to **ADD** or **DELETE** with the **CH (+)** or **(-)** buttons. (OR, use the Number buttons.)

```

    ■ INSTALL
    ■ CHANNEL EDIT
    ■ LANGUAGE
    ■ AUTO PROGRAM
    ■ TUNER
    ▲ CHANNEL EDIT
    ▼ NAME
    CHANNEL 12
    ADD
    
```

```

    ■ INSTALL
    ■ CHANNEL EDIT
    ■ LANGUAGE
    ■ AUTO PROGRAM
    ■ TUNER
    ▲ CHANNEL EDIT
    ▼ NAME
    CHANNEL 12
    ADD
    
```

```

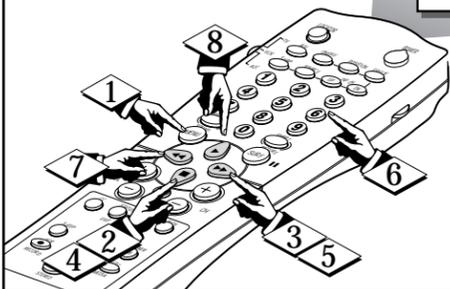
    ■ INSTALL
    ■ CHANNEL EDIT
    ■ LANGUAGE
    ■ AUTO PROGRAM
    ■ TUNER
    ▲ CHANNEL EDIT
    ▼ NAME
    CHANNEL 12
    DELETE
    
```

7 Press the **CURSOR LEFT** button, then the **CURSOR DOWN** button to highlight the **ADD/DELETE** option.

8 Press the **CURSOR UP** or **DOWN** button to **ADD** or **DELETE** the channel from memory.

To clear the screen, press the **STATUS/EXIT** button.

STOP



NAME

BEGIN

The channel NAME feature allows you to list the "call" letters of your favorite stations to their channel numbers when they appear on the screen. The TV has in its memory a list of the 50 most popular channel names. (Example: ABC, NBC, FOX, etc.) You can also enter a custom name (up to four letters or numbers).

1 Press the **MENU** button on the remote to show the on-screen menu.

2 Press the **CURSOR DOWN** button three times to select the **INSTALL** menu.

3 Press the **CURSOR RIGHT** button and the menu will shift highlighting the **LANGUAGE** feature.

```

    ■ PICTURE
    ■ SOUND
    ■ FEATURES
    ▲ INSTALL
    LANGUAGE
    AUTO PROGRAM
    TUNER
    CHANNEL EDIT
    NAME
    
```

4 Press the **CURSOR DOWN** button to highlight the **NAME** control.

5 Press the **CURSOR RIGHT** button to highlight the **NAME** options area.

```

    ■ INSTALL
    ■ LANGUAGE
    ■ AUTO PROGRAM
    ■ TUNER
    ▲ CHANNEL EDIT
    ▼ NAME
    12
    
```

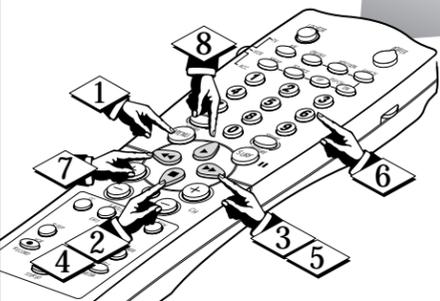
6 Using the **CURSOR UP** or **DOWN** buttons, scroll through a list of channel names provided in the TV's memory.

OR

You can also enter a channel name manually. Press the **CURSOR RIGHT** button again, then use the **CURSOR UP** and **DOWN** buttons to scroll through a list of options for the first digit. Press the **CURSOR RIGHT** button and repeat for the second, third, and fourth digits.

7 Once you have selected a name for the channel, press the **MENU** button to **SAVE** the name in the TV's memory and to clear the menu from the screen.

STOP



```

    ■ PICTURE
    ■ SOUND
    ■ FEATURES
    ▲ INSTALL
    LANGUAGE
    AUTO PROGRAM
    TUNER
    CHANNEL EDIT
    NAME
    
```

```

    ■ INSTALL
    ■ LANGUAGE
    ■ AUTO PROGRAM
    ■ TUNER
    ▲ CHANNEL EDIT
    ▼ NAME
    12
    
```

```

    ■ INSTALL
    ■ LANGUAGE
    ■ AUTO PROGRAM
    ■ TUNER
    ▲ CHANNEL EDIT
    ▼ NAME
    "PERSONAL"
    
```

```

    ■ INSTALL
    ■ LANGUAGE
    ■ AUTO PROGRAM
    ■ TUNER
    ▲ CHANNEL EDIT
    ▼ NAME
    "C"
    
```

```

    6
    CBS
    12:00 PM
    STEREO
    
```

SMART CLOCK

BEGIN

Smart Clock can automatically set the TV's on-screen clock. Since the time is received from a broadcast signal, be sure that a Cable TV or Antenna signal is present before attempting to use the Smart Clock feature.

1 Press the **MENU** button on the remote to show the on-screen menu.

2 Press the **CURSOR DOWN** button three times to select the **INSTALL** menu.

```

    ■ PICTURE
    ■ SOUND
    ■ FEATURES
    ▲ INSTALL
    LANGUAGE
    AUTO PROGRAM
    TUNER
    CHANNEL EDIT
    NAME
    
```

3 Press the **CURSOR RIGHT** button and the menu will shift highlighting the **LANGUAGE** feature.

4 Press the **CURSOR DOWN** button to highlight the **SMART CLOCK** control.

```

    ■ INSTALL
    ■ AUTO PROGRAM
    ■ TUNER
    ▲ CHANNEL EDIT
    ▼ NAME
    SMART CLOCK
    
```

5 Press the **CURSOR RIGHT** button to start the **SMART CLOCK** feature. Just follow the on-screen instructions to set the clock.

Press ">" to Continue

STOP

Follow these on-screen instructions to set the Smart Clock Automatically.

```

    SET TIME
    AUTO
    MANUAL
    Press ">" to select
    Press ">" to Continue
    
```

```

    ATLANTIC
    EASTERN
    CENTRAL
    ▼ MOUNTAIN
    Press ">" to Continue
    
```

```

    Daylight Savings Time
    YES
    NO
    Press ">" to select
    Press ">" to Continue
    
```

```

    The time is broadcast by certain TV
    stations. We suggest trying PBS first
    Enter the PBS channel
    10
    Press ">" to Continue
    
```

```

    Please wait
    
```

```

    Time was not found on channel
    Enter another channel
    Set time Manually
    Press ">" to select
    Press ">" to Continue
    
```

Follow these on-screen instructions to set the Smart Clock Manually.

```

    SET TIME
    AUTO
    MANUAL
    Press ">" to select
    Press ">" to Continue
    
```

```

    12:30 PM
    use ">" to set AM/PM
    Press ">" to Continue
    
```

Note: When setting the clock manually, use the number buttons on the remote to enter the time. Don't forget to set AM or PM with the Cursor Up button.

```

    The time is broadcast by certain TV
    stations. We suggest trying PBS first
    Enter the PBS channel
    2
    Press ">" to Continue
    
```

```

    Time was found
    Press ">" to Continue
    
```

```

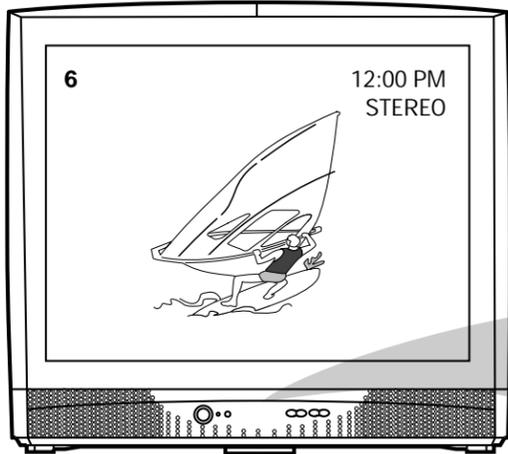
    12:30 PM
    use ">" to set AM/PM
    Press ">" to Continue
    
```

TV AND REMOTE CONTROL OPERATION

TELEVISION

BEGIN

1 Press the **POWER** button to turn the TV ON.



2 Press the **VOLUME +** button to increase the sound level or the **VOLUME -** button to lower the sound level.

Pressing both buttons at the same time will display the on-screen menu. Once in the menu, use these buttons to make adjustments or selections.

3 Press the **CHANNEL UP** or **DOWN** button to select TV channels.

Note: Press **three number buttons** for any channels 100 or above. For example: press "1" then "2" then "5" for channel 125.

4 Slide the **TV/VCR/ACC mode switch** on the remote control to the TV position and point the remote at the front of the TV when sending commands.

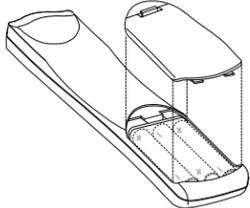
STOP

REMOTE

BATTERY INSTALLATION

To load the supplied batteries into the remote:

1. Remove the battery compartment lid on the back of the remote.
2. Place the batteries (3-AA) in the remote. Be sure the (+) and (-) ends of the batteries line up correctly (inside of case is marked.)
3. Reattach the battery lid.



TV/VCR/ACC MODE SWITCH

The remote's **TV/VCR/ACC Switch** controls how buttons on the remote are used.

For example:

With the switch in the "TV" position:

the Menu, CURSOR \blacktriangleright , \blacktriangleleft , \blacktriangle and \blacktriangleleft buttons are used to select and adjust on-screen TV features.

With the switch in the "ACC" position:

the Power, Channel Number, and Channel Up (+) /Down (-) buttons on the remote work with Cable TV Converters and some DVD, DSS systems.

With the switch in the "VCR" position:

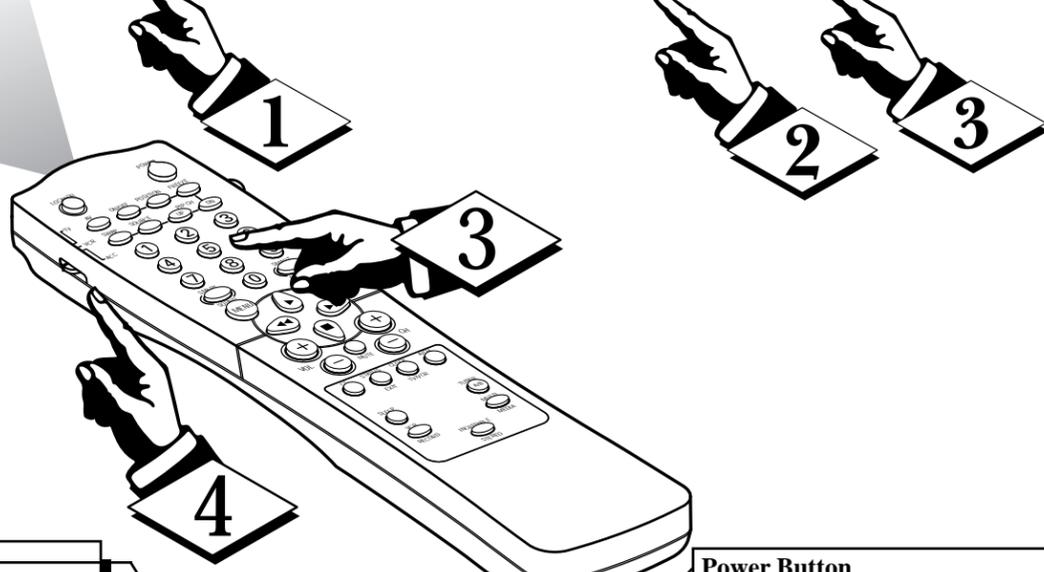
the Menu, CURSOR \blacktriangleright , \blacktriangleleft , \blacktriangle and \blacktriangleleft buttons on the remote work Stop, Play, Pause, and other VCR features.

Note: For more details on how the TV remote works with VCRs and Cable Converters, see the other owner's manual supplied with

BEGIN

1 Point the remote control toward the remote sensor window on the TV when operating the TV with the remote.

STOP



Locator Button

Press to change the code for the Remote Locator feature. (Refer to pages 26-27 in the Owner's Manual for more details.)

AV Button

Press to toggle between the external Audio/Video input jacks. This button will tune to the AV 1, AV 2, AV 3 or current tuner channel.

TV/VCR/ACC Mode Switch

Slide to position of TV to control TV functions, VCR to control VCR functions and ACC for Cable Converter, DSS, DVD, etc. functions.

Smart Sound Button

Press to control TV sound levels during program changes or commercial breaks.

Menu Button

Press for the on-screen menu to appear. Pressing the menu button after menu selections are made will eliminate the menu from the display.

Cursor Buttons

Use these buttons to move through the on-screen menu; make selections within the menu; make adjustments to the menu. Also used with a VCR for PLAY, FAST FORWARD, REWIND, and STOP. (Refer to page 36 in the Owner's Manual for more details.)

Volume (+), (-) Buttons

Press to adjust the TV sound level.

Mute Button

Press to turn the sound OFF on the TV. Press again to return the sound to its previous level.

CC Button

Press to select Closed Caption options within the menu. (Refer to page 17 in the Owner's Manual for more details.)

Status/Exit Button

Press to see the current channel number on the TV screen. Also press to clear the TV screen after control adjustments.

Sleep Button

Press to set the TV to automatically turn itself OFF. Also can be used as an Enter button when sending channel commands to remote controlled cable converters or VCRs.

VCR-Record Button

When in the VCR mode, press to start the recording of a video tape.

Power Button

Press to turn the TV (or select VCR/Cable Converter) ON and OFF.

PIP Buttons

Press to operate Picture-In-Picture features. See "PIP" section (pages 37-42) in your owner's manual for more details.

Light Button

Press to back light the Menu, Surf, Cursor, Volume, and Channel buttons.

Number Buttons

Press the number buttons to select TV channels. Press **three number buttons** to select channels 100 or above. (Press "1", then "2", then "5" for channel 125.)

Smart Picture Button

Press to select from a list of Smart Picture controls. (Factory preset picture control levels set for different types of viewing sources and programs.)

Surf Button

Press to select previously viewed channels. You can place up to 10 channels in memory. Then by pressing the SURF button you can quickly view the select channels. See the "Surf" section (in your other owner's manual) to see how to select a series of channels using the Surf button. When used with a VCR this button will pause the playback of a tape.

Channel (+), (-) Buttons

Press to change the tuned channel.

A/CH Button

Press to toggle between the currently viewed channel and the previously viewed channel.

Clock-TV/VCR Button

TV Position: Press for direct entry of the TIMER feature where you can set the TV's clock.

VCR Position: Use to watch a tape, or make a recording while watching another channel. (Refer to page 36 in the Owner's Manual for more details.)

Tuner (A/B) Button

Press to toggle between the ANT "A" and ANT "B" signals connected to the television's jack panel.

Multi Media Button

Press to toggle between the external input jacks. This button will tune to the MM 1, MM 2, and MM 3 channels along with setting the picture controls to the Smart Picture setting for Multi Media viewing.

Incredible Stereo Button

Press to toggle between the Mono and Spatial sound controls. (Expands the stereo sound for a fuller, more dynamic listening experience.)

SMART HELP

Remember, You can press any button on the front of the TV to turn the TV ON.

The tuned channel number will always briefly appear when the TV is first turned ON (and with channel changes.)

You can also press the STATUS button (on the remote) to see what channel the TV is ON.