PDi

PDI-P32LCDC

Hospital Grade LCD Television

Rev 1

Please read this manual carefully before operating your set.

User Manual

Blank Page

WARNING

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : To reduce the risk of electric shock do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol is intended to alert the user of the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

NOTE TO CABLE TV INSTALLER

This reminder is provided to call the cable TV systems installer's attention to Article 820-40 of the National Electrical Code. The code 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 the cable entry as practical.

MAINTENANCE AND SERVICING

Never remove the back cover of the TV; this can expose you to high voltage and other hazards. If the TV does not operate properly, unplug it and call an authorized service center or PDI.

CLEANING AND DISINFECTION

Clean the exterior of this television by removing dust with a lint-free cloth.
CAUTION: To avoid damage to the surface of the television, do not use abrasive or chemical cleaning agents.

RAIN AND MOISTURE

WARNING: To avoid the hazards of fire or electrical shock, DO NOT expose this television to rain or moisture.

OXYGEN ENVIRONMENT

WARNING: Do not use in any oxygen tent or oxygen chamber. Such use may cause a fire hazard.

WET LOCATION

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

OVERHEAD FALLING HAZARD

TVs can pose a striking hazard when mounted at an elevated position. **Use only PDI mounting brackets and appropriate hardware to assure TV will not fall from the mounted position.** *Failure to do so may cause injury or death.*

Warning

SERVICE INSTRUCTIONS

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 contained in the operating instructions unless you are qualified to do so.

PRODUCT MODIFICATION

Do not attempt to modify this product in any way without written authorization. Unauthorized modification could void the user's authority to operate this product.

REGULATORY INFORMATION
FCC

This equipment has been tested and found to comply with 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 when the equipment is operated in a residential or commercial installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of 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 radio/TV technician for help.

UNDERWRITERS LABORATORIES

The model PDI-P32LCDC Hospital Grade LCD TV is a specialized LCD television. This TV is intended for entertainment and educational purposes for use in a hospital, a nursing home, a medical-care center, or a similar health care facility. The antenna or cable system connected to an apparatus is to be grounded in accordance with the National Electrical Code, ANSI/NFPA 70.

This device is safety tested and listed by the Underwriters Laboratories as a product suitable for use in health care facilities in both the United States and Canada.

Important Safety Instructions

Important safeguards for you and your new product

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 dry cloth.
7. Do no block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat source such as radiators, heat registers, stove, or other apparatus (including amplifiers) that produces heat.
9. Do not defeat the safety purpose of the hospital grounding-type plug. A hospital plug has two blades and a third grounding prong. The third prong is 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 receptacles, and the point where they exit from the apparatus.
11. Only use attachments/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 period 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. *Use only PDI mounts and appropriate hardware. Failure to do so could cause the set to fall and subsequent injury or death.*

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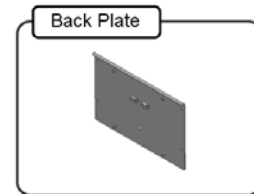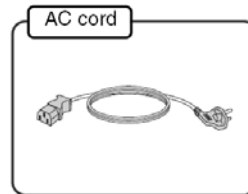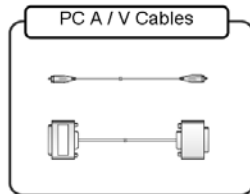
Contents

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Contents

Supplied Accessories

Make sure the following accessories are provided with product.

Instruction manual	PC A / V Cables	AC cord	Back Plate

Optional Accessories

Programming Remote PD108-420

A programming remote control is required to perform all TV setup adjustments including programming channels. The remote is **NOT** included with the TV and must be ordered separately – one remote is capable of programming an entire hospital of televisions. Please order programming remote control part number PD108-420.
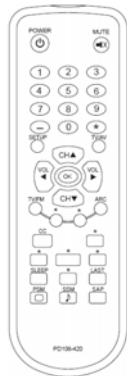
PD108-420

Patient Remote PD108-421

In addition to pillow speaker control of the TV, a patient remote control is also available. The remote offers independent Bed A or Bed B selectable codes and independent control of a single television in a two television room. Please order patient remote control part number PD108-421.

PD108-421

Battery Installation

Inserting batteries

1. Remove the battery cover by pulling it upward in the direction shown by the arrow.
2. Insert the batteries with correct polarity.
3. Replace the battery compartment cover.
❑ Install two high-quality 1.5V "AAA" alkaline batteries. Don't mix old batteries with new batteries.
❑ Remove batteries when you won't use the remote controller for long time. Liquid leakage from old batteries may cause operation failure.
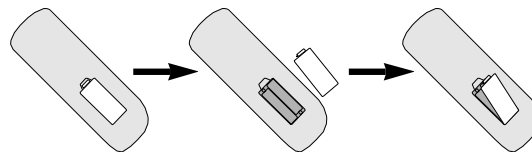
Notes for using remote controller
❑ Make sure there are no objects between the remote controller and its sensor.
❑ Don't place the remote control near a heater or in damp place. Strong impact to the remote control may cause operation failure.
❑ Signal from the remote control may be disturbed by sun light or other bright light. In this case, darken the room or move the TV.

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Controls

Front Panel
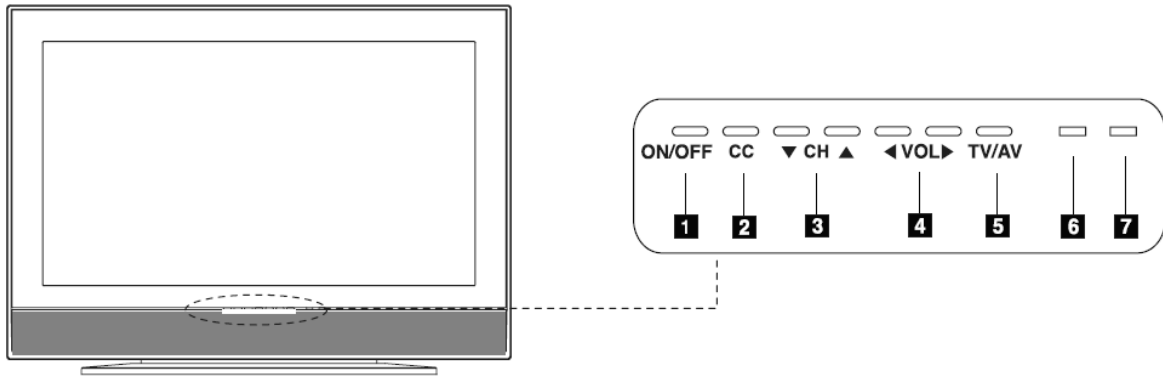
1 ON/OFF
Switches TV set on or off.

2 CC
Sets the caption function.

3 ▼ CH ▲ (Channel Down/Up)
Selects a program or a menu item.

4 ◄ VOL ► (Volume Down/Up)
Adjusts the volume. Adjusts menu settings.

5 TV/AV
Selects the video mode.

6 Power Indicator
Illuminates in red when the TV is off.
Illuminates in green when the TV is switched on.

7 Remote control sensor
Accepts the IR signal of remote controller.

Control

Rear Panel
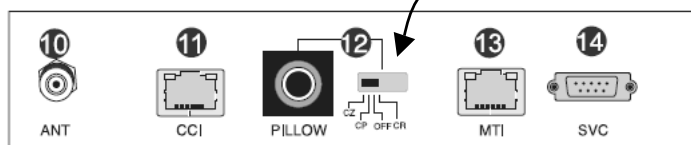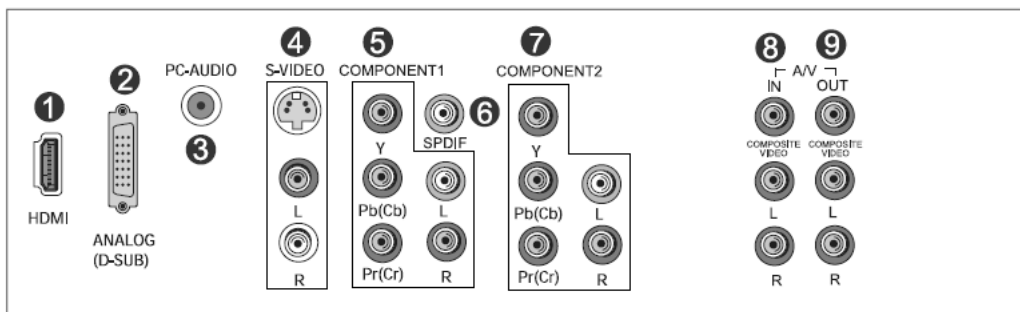
! CAUTION !
Moving this switch changes the voltage supplied to the pillow speaker. Make sure it is set correctly *BEFORE* plugging in the pillow speaker jumper cable. Failure to do so WILL RESULT IN THE PILLOW SPEAKER BEING OVERDRIVEN AND POSSIBLE DAMAGE TO THE PILLOW SPEAKER.

1 **HDMI IN (High Definition Multimedia Interface)**
Connect this jack to devices with an HDMI output.

2 **PC ANALOG IN (D-Sub)**
Connection to the video output jack on an external computer.

3 **PC AUDIO**
Connect the audio output cable from the PC to the PC Audio in jack of the set.

4 **S-VIDEO**
Connect the output of an S-VIDEO VCR to the S-VIDEO input.

5 **COMPONENT1**
Connect the COMPONENT audio/video DVD to the COMPONENT1 audio/video input sockets of the set.

6 **SPDIF**
Provides a digital audio output signal for connection to an external digital audio device.

7 **COMPONENT2**
Connect the COMPONENT audio/video output sockets of the DVD to the COMPONENT2 audio/video Input sockets of the set.

8 **AV IN**
Connect the Audio/Video Outputs of external equipment to these inputs.

9 **AV OUT**
Connect these outputs to the Audio/Video inputs of external equipment.

10 **ANT**
Connection to Cable TV Coax.

11 **CCI**
Communication port.

12 **PILLOW**
Pillow speaker port.
Use the switch to select correct voltage.
CZ : Zenith Compatible (+14V)
CP : Philips Compatible (+5V)
CR : RCA Compatible (-5V)
Off : Pillow port disable (0V)

13 **MTI**
Connection to MTI device.

14 **SVC**
Service port.

Programming Remote Control

A programming remote control is required to perform all TV setup adjustments including programming channels. The remote is **NOT** included with the TV and must be ordered separately – one remote is capable of programming an entire hospital of televisions. Please order programming remote control part number PD108-420.

Remote Control

Before you use the remote controller, please install the batteries.
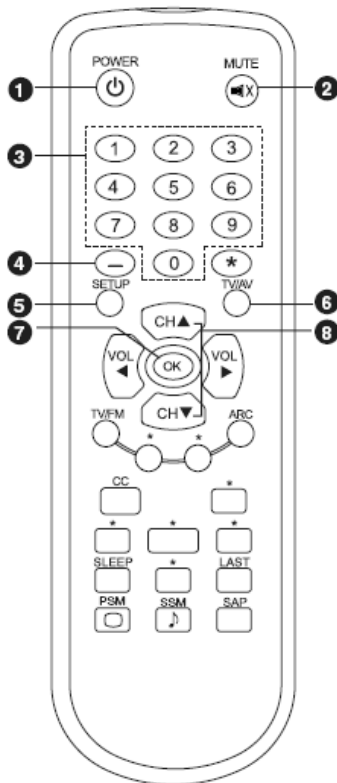
1 POWER
Turns the TV on or off.

2 MUTE
Turns the sound on or off.

3 NUMBER buttons
Selects channel numbers.

4 Dash
Press to select DTV (Digital TV) channels.
For example, to select channel '54-3', press '54', then press '-'

5 SETUP
Displays the main menu.
Exit current OSD menu.

6 TV/AV
Selects programmed external inputs.

7 OK
Accepts your channel selection. Displays digital channel information.

8 CH ▲▼ (Channel Up/Down)
Selects next channel or a menu item.

Remote Control
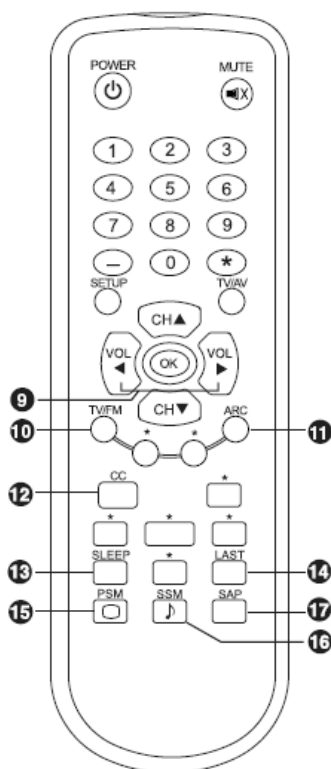
9 VOL ◄► (Volume Up/Down)
Adjusts the sound level.
Adjusts menu settings.

10 TV / FM
Selects the either TV or FM Radio mode directly.

11 ARC
Changes the aspect ratio.
Repeatedly press the ARC button to select your desired picture format.

12 CC
Sets the caption function.

13 SLEEP
Sets the sleep timer.

14 LAST
Returns to the previously viewed channel.

15 PSM (◯)
Recalls your preferred picture setting.

16 SSM (♪)
Recalls your preferred sound setting.

17 SAP
Adjusts the audio mode for either **MTS-Stereo**, **Mono**, or **SAP**.

Installation

LOCATION GUIDELINES

The model PDI-P32LCDC Hospital Grade LCD TV is a specialized LCD television. This TV is intended for entertainment and educational purposes for use in a hospital, a nursing home, a medical-care center, or a similar health-care facility in which installation is limited to a non-hazardous area in accordance with the National Electrical Code, ANSI/NFPA 70. The PDI-P32LCDC is designed for mounting to PDI manufactured mounts. Installation of the TV on any other mount is not recommended.

WARNING: The TV's VESA mounting holes are designed for M4 metric screws only. Use of a non-PDI approved mount or SAE hardware could result in a condition where the TV could unexpectedly fall and cause injury or death.

The PDI-P32LCDC TV mounts at the foot of a patient's bed with the supplied bracket. Select a location that is near an AC wall outlet and that does not expose the TV to bright room lights or sunlight if possible. The LCD TV also requires connection of both CATV cable signal and across-room wiring for the pillow speaker.

CABLE SYSTEM GROUNDING

The coax cable system connected to the PDI-P32LCDC TV should be grounded in accordance with the National Electrical Code, ANSI/NFPA 70. The code 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 the cable entry as practical.

Wall Mounting on Optional Wall Bracket

1. The TV can be wall mounted using the optional wall bracket PD181-641. Refer to Figure 1. Select a location on the wall approximately 9 inches or more below the ceiling.

    NOTE: Do not locate AC, Across-Room Wiring, and CATV Signal outlets below the Wall Bracket's location as it will cause clearance issues and interfere with the TV's cabinet when mounted to the bracket.

    Position the Wall Bracket and locate two mounting holes. Secure the bracket to the wall (mounting hardware is not included).

2. Refer to Figure 2. Position the Back Plate on the LCD TV cabinet. Using the pilfer security driver packed with the hardware, attach with four M4 x 6mm Torx Screws provided.

3. Lift the TV and mate it to the Wall Bracket making sure the metal tab fingers engage the slot openings on the Back Plate. Using the pilfer security driver packed with the hardware, secure with one M4 x 6mm Torx Pilfer Screw.

4. Connect the AC line cord, Pillow Speaker Jumper Cable, and CATV Antenna Coax Cable.

5. The TV's tilt can be adjusted by loosening and removing the Tilt Bolt, adjusting tilt, reinstalling Tilt Bolt, and tighten Tilt Nut. NOTE: Tilt bolt is pre-assembled into Wall Bracket.

9"

Optional
Wall Bracket
PD181-641

P32LCD
32 ¼" W x 20 ¾" H
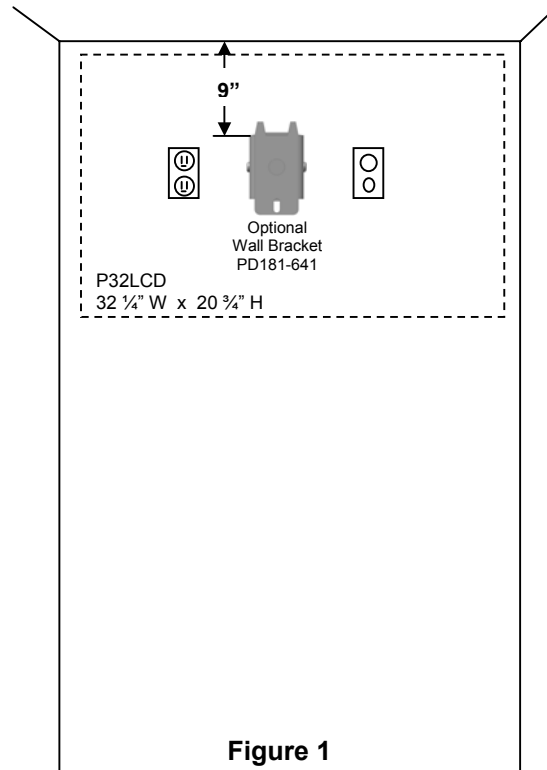
Figure 1

⚠ **WARNING**

USE ONLY M4 METRIC SCREWS.
USING A NON-PDI APPROVED MOUNT OR SAE
HARDWARE COULD RESULT IN A CONDITION
WHERE THE TV COULD UNEXPECTEDLY FALL
AND CAUSE INJURY OR DEATH.

Wall Mounting on Optional Wall Bracket

Back Plate

M4 x 6mm Screws

Tilt Bolt
Pre-Assembled

M4 x 6mm Pilfer Screw
Shown Oversized

ANT Coax Connector
(Coax Not Shown)

Tilt Nut
Pre-Assembled

Optional Wall Bracket
PD181-641

Pillow Speaker
Jumper

AC Power Cord
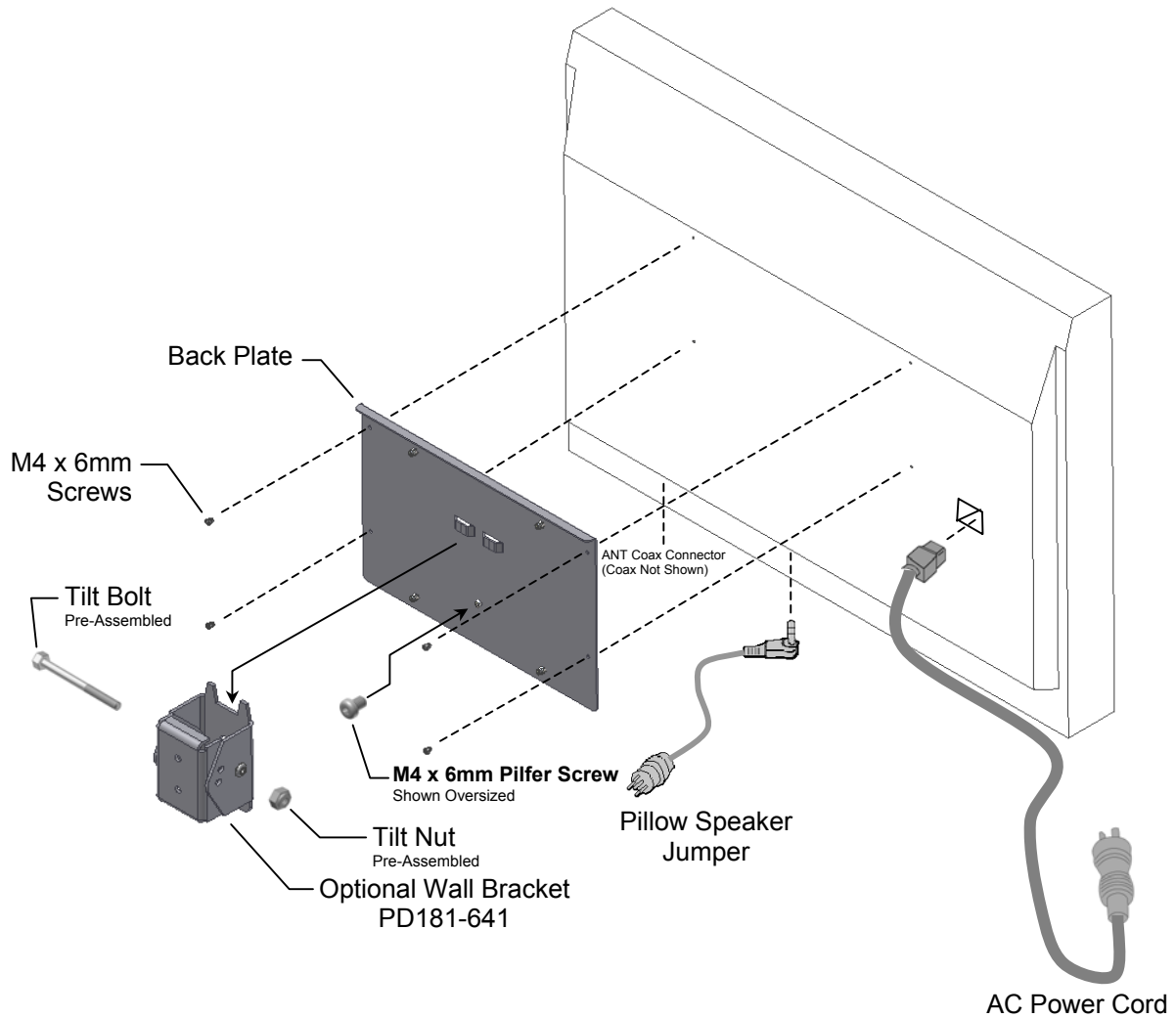
Figure 2

Note: Make sure the **pillow speaker selection switch** is set to the correct setting before plugging in the jumper.

The switch changes the voltage supplied to the pillow speaker, and could overdrive the pillow speaker if incorrectly set

Across-Room Wiring

A ¼" stereo style pillow speaker (pendant control) jack is located on the TV's connector panel on the backside. This TV is designed to work with either a digital pillow speaker that generates digital style control codes or a single-button analog (switch-style) pillow speaker. A rear panel mounted switch allows use of different brands of pillow speakers and supports the major brands; Zenith[©], Philips[©], and RCA pillow speakers. Please refer to the "Pillow Speaker" section elsewhere in this manual for details.

> ⚠ **WARNING:** DO NOT connect the pillow speaker circuit Common to earth ground. Grounding of the Common will defeat the isolation circuitry of the television and possibly expose the patient to harmful shock currents should a wiring fault occur.

SPEAKER

Optional Jumper
PD106-417

DATA / SWITCH

SPEAKER

COMMON

COMMON

DATA / SWITCH

Jumper Supplied
with TV

ACROSS ROOM WIRING

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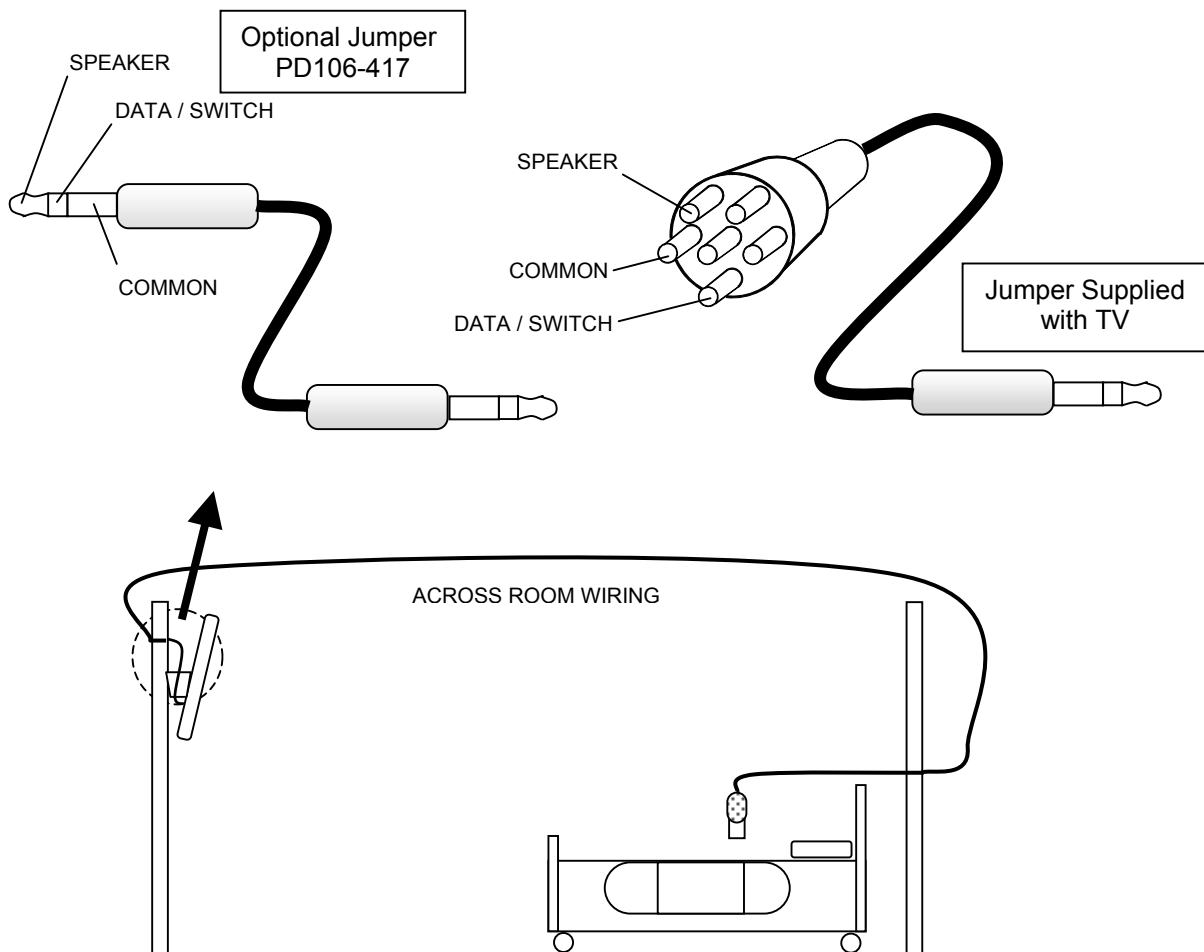
Connections

Antenna "ANT" Connection

⚠ **CAUTION**: Some hospital cable systems provide power voltage on the coaxial cable. This TV is NOT designed to be powered via a coaxial cable. Do not connect to a powered coaxial cable. Damage will result to the TV.

Hospital Coax Cable
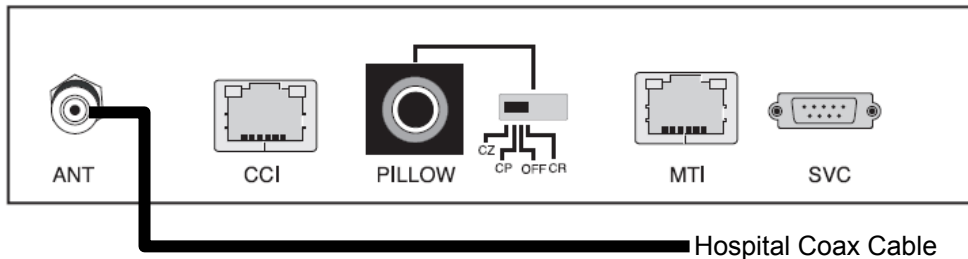
A/V IN
Connects composite video and stereo or mono audio from devices such as VCR's, DVD's, and Game Boxes.
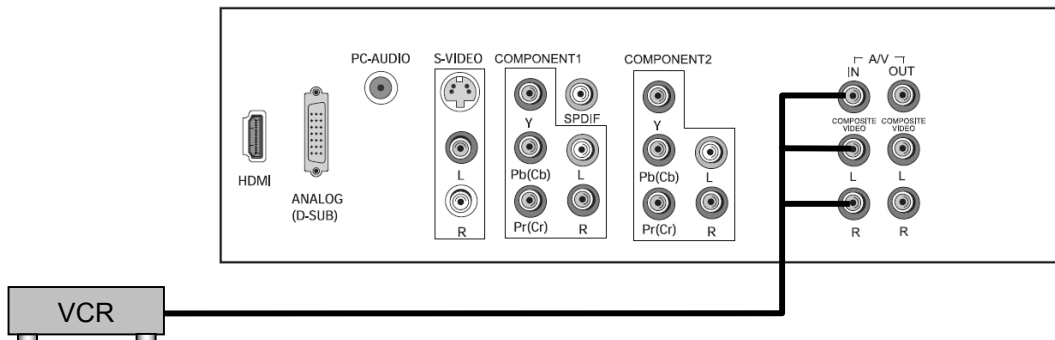
1. Connect the audio outputs from the device (L, R) to the A/V-IN L & R on the TV. Connections are color code.

2. Connect the video output from the device to the A/V-IN COMPOSITE VIDEO on the TV. Connection is color-coded.

3. Verify that the COMPOSITE VIDEO mode is enabled in the Source Setup menu. Please see "Source Setup" instructions elsewhere in this manual for details.

4. Press the TV/AV button repeatedly until COMPOSITE VIDEO appears in the lower right corner of the screen indicating selection of A/V-IN.

5. Activate the device.

Connections

A/V OUT

Provides demodulated video and audio from the TV's tuner for recording to an external device or to an external audio amplifier.
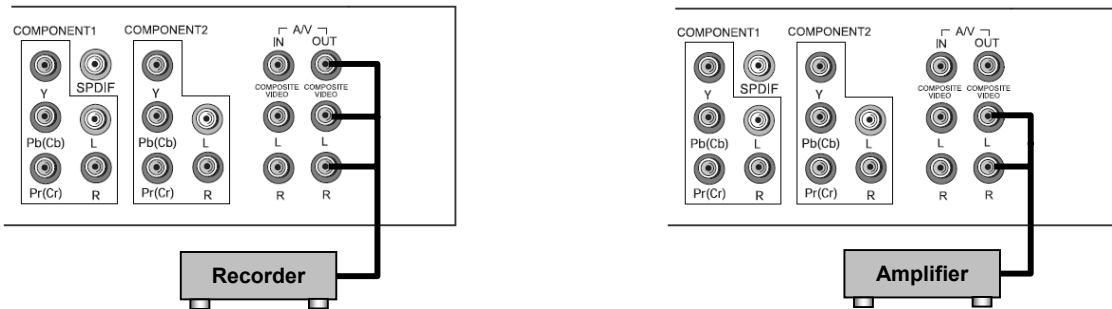
1. Connect the TV's A/V-OUT L and R outputs to the inputs of a recorder. Alternately, connect only the L or R audio output to the inputs of an Amplifier. TV sound should now play through the amplifier system.

2. Connect the TV's A/V-OUT VIDEO output to the Video IN of the recorder. The currently viewed TV channel can now be recorded.

S-VIDEO Connection

If the external equipment you connect has an S-VIDEO jack, you can use an S-VIDEO cable for improved picture quality (compared to an A/V cable).
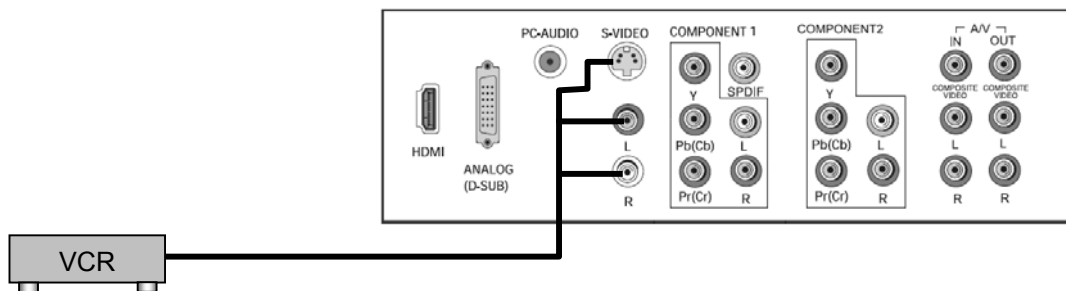
1. Connect the VCR's S-Video output directly to the TV's S-VIDEO connector.

2. Connect the VCR's L & R audio to the TV's L & R connector inputs.

3. Verify that the S-VIDEO mode is enabled in the Source Setup menu. Please see "Source Setup" instructions elsewhere in this manual for details.

4. Press the TV/AV button repeatedly until S-VIDEO appears in the lower right corner of the screen indicating selection of S-VIDEO.

5. Activate the VCR. The VCR playback picture appears on the screen.

Connections

Component1 / Component2 In
The TV supports two inputs for devices such as a DVD that offer Component type signals.
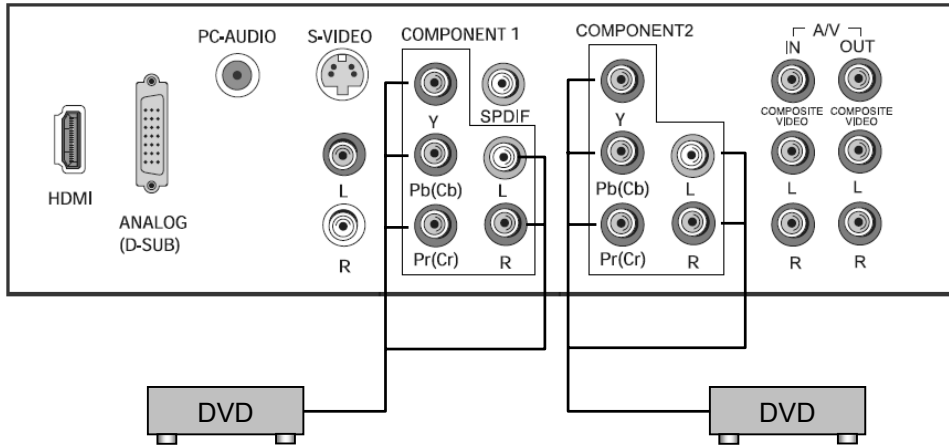
2. Use a component video cable to connect the DVD player's Y/Pb/Pr jacks to the TV's component Y/Pb(Cb)/Pr(Cr) jacks. NOTE: The Y/Pb/Pr jacks on your DVD player are sometimes labeled Y/Cb/Cr or Y/B-Y/R-Y. If so, connect the cables to like colors.

3. Use an audio cable to connect the DVD player's Audio OUT jacks to the TV's Audio IN jacks. Be sure to use the appropriate audio inputs adjacent to the corresponding Video input.

4. Verify that the appropriate component input is select (Component 1 or Component 2) is enabled in the "Source Setup" menu. Please see "Source Setup" instructions elsewhere in this manual for details.

5. Press the TV/AV button repeatedly until COMPONENT 1 or COMPONENT 2 appears in the lower right corner of the screen indicating selection of the component input.

6. Activate the DVD. The DVD playback picture appears on the screen.

Connections

SPDIF

Sony Philips Digital Interface Format (SPDIF) output is provided for devices that support this format. You can use the TV's SPDIF jack to connect a digital audio device such as a home theater amplifier.
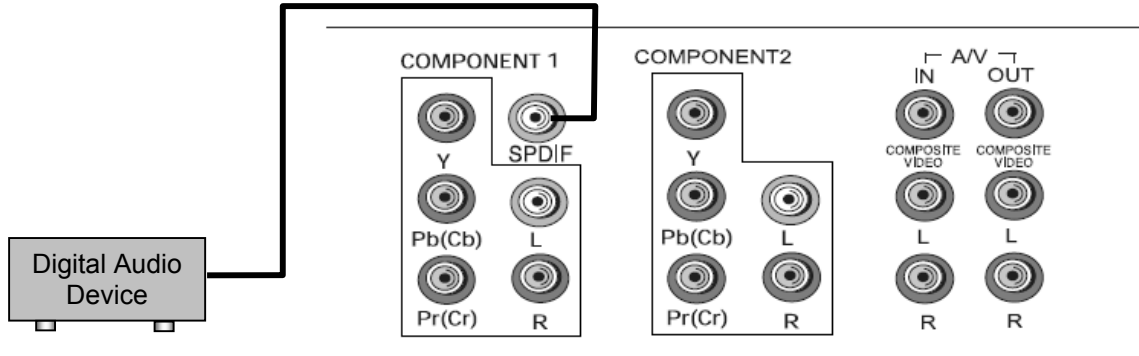
1. Use a coaxial audio cable to connect the device's SPDIF jack to the TV's SPDIF jack.

2. Activate the device.

Connections

Pillow Speaker

The pillow speaker (pendant control) jack is located on the TV's connector panel. Control of the TV using an externally wired pillow speaker is possible. Please see the "Installation" section elsewhere in this manual for wiring details.
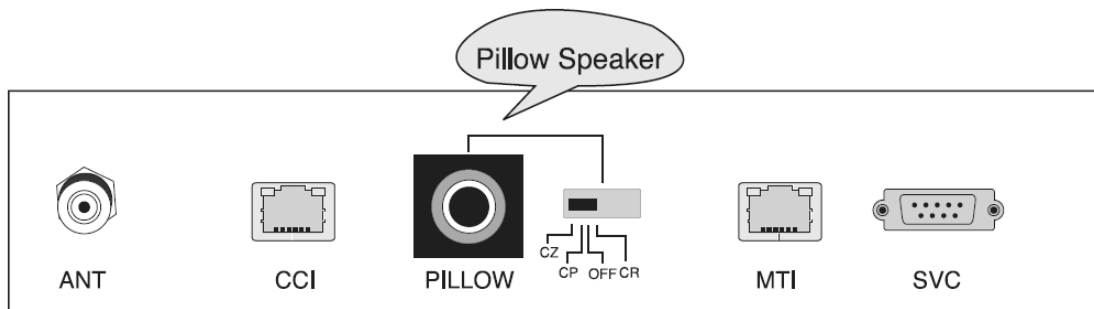
1. Select the appropriate brand of digital pillow speaker using the recess slide switch next to the PILLOW jack.

> CZ for Zenith$^{©}$
>
> CP for Philips$^{©}$
>
> CR for RCA$^{©}$
>
> OFF to disable the pillow speaker

For analog style pillow speakers set the switch to either CZ, CP, or CR.

NOTE: The TV is shipped from the factory with the switch in the OFF position.

⚠	**CAUTION:** Confirm pillow speaker type and set the slide switch appropriately BEFORE connecting the pillow speaker to the TV. Failure to follow this procedure could result in damage to the pillow speaker and / or TV.
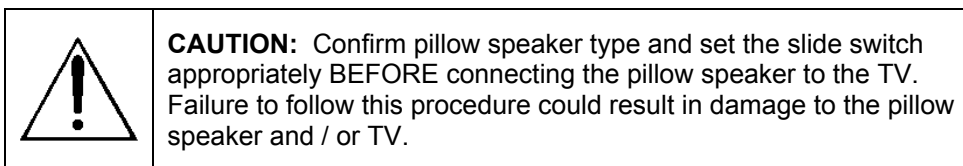
2. Connect the pillow speaker to the PILLOW jack.

3. Operate the pillow speaker and verify correct TV control.

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Connections

PC Connection

The TV can also be used as a computer monitor.
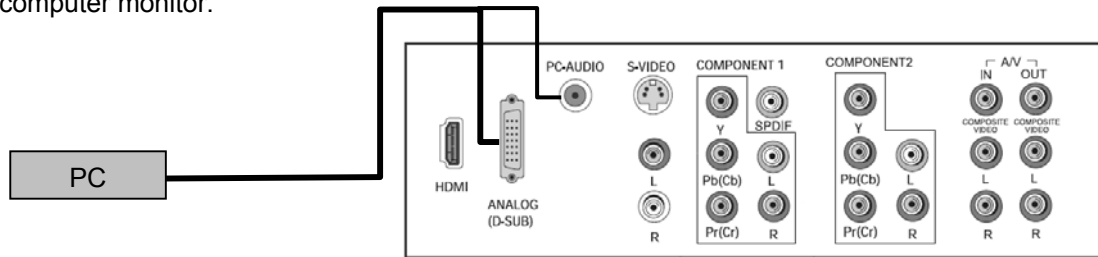
1. Connect the computer's video cable to the PC ANALOG IN D-SUB socket of the set.

2. Connect the computer's audio cable to the PC-AUDIO jack of the set.

3. Verify that PC-ANALOG is enabled in the "Source Setup" menu. Please see "Source Setup" instructions elsewhere in this manual for details.

4. Press the TV/AV button repeatedly until PC-ANALOG appears in the lower right corner of the screen indicating selection of PC-ANALOG input.

5. Switch on the computer. The computer's screen should appear on the set.

Supported Resolution

Mode	Resolution	Horizontal frequency (KHz)	Vertical frequency (Hz)
VGA	640 x 480	31.5 KHz	60 Hz
	720 x 400	31.4 KHz	70 Hz
SVGA	800 x 600	37.9 KHz	60 Hz
XGA	1024 x 768	48.4 KHz	60 Hz
WXGA	1280 x 768	47.4 KHz	60 Hz RB
	1280 x 768	47.8 KHz	60 Hz
	1360 x 768	47.7 KHz	60 Hz

NOTE:
1. The TV automatically switches to support the resolutions shown. Selection of a non-supported resolution may result in either a poor or missing picture display.

2. If possible, use the VESA 1360 x 768, 60 Hz video mode to obtain the best image quality. If other resolutions are used, some scaled or processed pictures may appear on the screen.

Basic Operation

Turning the TV On and Off

1. Connect the AC power cord to the TV. A front mounted indicator light will illuminate Red indicating the TV has power, but is currently off.

2. Press the POWER button on the remote control, or the TV's ON/OFF button, or the pillow speaker's TV POWER button. The TV's indicator light will illuminate Green indicating the TV is turned ON. The TV's screen display requires approximately 3 seconds to warm up and display a picture.

3. Press the POWER button again to turn the TV off. A front mounted indicator light will illuminate Red indicating the TV is off.

Channel Selection

You can select a channel number with the CH▲ / CH▼ or NUMBER buttons.
NOTE: Not all pillow speaker models support direct entry of channel numbers.

Volume Adjustment

Press the VOL◄ / VOL► button to adjust the sound level.
NOTE: Some pillow speakers contain only a volume wheel that may also require adjustment.

Last Channel

Press the LAST button on the remote control to view the last program you were watching.
NOTE: Some pillow speakers do not support last channel viewing.

Sound Mute Function

Press the MUTE button. The sound is switched off and the mute display ◁✗ appears.

To cancel mute mode, press the MUTE button again, or press VOL◄ or VOL►.

NOTE: Some pillow speakers do not support the mute feature.

Sleep Timer

The sleep timer turns the TV off after activation of a preset time limit.

Press the SLEEP button on the remote repeatedly to select the number of minutes. The time limit can range from 10 up to 120 minutes in value.

Basic Operation

On Screen Menu Language Selection
You can adjust the language used in displaying the (OSD) On Screen Display.

1. Press the SETUP button on the remote control.

2. Press the CH▲ / CH▼ button to select the OSD Language menu.

3. Press the ◄► button to select your desired language.

```
English ────► Francais ────► Espanol
   ▲                            │
   └────────────────────────────┘
```

4. Press the SETUP button to exit the main menu.

Changing the Source Input
The TV can be switched to other display modes such as VCR, DVD, PC, or other externally connected devices.
1. Press the TV/AV button to change to another source input.
   NOTE: The desired source input must be enabled in the Source Setup menu. Please see "Source Setup" instructions elsewhere in this manual for details.

2. Alternatively, press CH▲ / CH▼ buttons until reaching the highest channel (or below to the lowest channel). All activated sources will appear in the channel table above the highest channel and are directly viewable.
   NOTE: The "Channel to Other Sources" item must be enabled in the FEATURES menu to allow top of channel display of activated sources.

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On Screen Menus and Displays

The TV is programmed using the Menus. A programming remote control is required to perform all TV setup menu adjustments including programming channels. The remote is **NOT** included with the TV and must be ordered separately. Order programming remote PD108-420.

1. Press the SETUP button on the IR remote control to display the main SETUP menu.
2. Press the CH▲ / CH▼ buttons to select a menu item.
3. Adjust or enter the menu item using the VOL◄ / VOL► buttons.
4. Press the SETUP button on the IR remote control to return to the preceding menu.

SETUP MODE	
■ Service Level	Free
■ Picture	►
■ Sound	►
■ Channel Setup	►
■ Features	►
■ OSD Language	English
■ Source Setup	►
■ FM Radio Setup	►
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

Picture	
■ Brightness	65
■ Contrast	70
■ Color	75
■ Tint	0
■ Color Temperature	►
■ Sharpness	60
■ PC Analog Picture	►
■ Component Input Picture	►
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

FM Radio Setup	
■ Auto Program	►
■ Frequency	88.1 MHz
■ Add/Delete	Deleted
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

Sound	
■ Equalizer	►
■ Balance	0
■ AVL	Enabled
■ Surround	Disabled
■ Minimum Volume	0
■ Maximum Volume	100
■ Power on Volume	Last
■ Internal Speaker Enable	►
■ HDMI Audio Port	HDMI
■ Composite / S-Video Sound Mode	L+R
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

Source Setup	
■ TV	Enabled
■ Composite Video	Disabled
■ S-VIDEO	Disabled
■ Component1	Disabled
■ Component2	Disabled
■ HDMI	Disabled
■ PC-ANALOG	Disabled
■ FM RADIO	Disabled
■ Power On Source	TV
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

Channel Setup	
■ Signal	Cable STD
■ Auto Program	►
■ Add/Delete Channels	►
■ Clear Service Level	►
■ Copy Service Level	►
■ Parental Control	►
■ Power on Channel	►
■ Channel Lock	Disabled
■ Channel Memory Override	Enabled
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

Features	
■ Power on Caption Modes	Last
■ Auto Power On	Disabled
■ Power Management	Disabled
■ Bed A/B	A
■ Caption Text Modes	Disabled
■ Digital Mode Time Setup	►
■ Diagnostics	►
■ Channel Up Power Off	Disabled
■ Channel To Other Sources	Enabled
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

Service Level

Service Level

The TV can be configured with 3 different banks of channels called Service Levels. Each Service Level can be programmed with any combination of channels. For example, a hospital usually elects to dedicate one of the service levels for Pediatrics and another for Maternity since additional or banned channels may be found in either location that would not be normally shown to the general patient population. A DISABLED service level is also available that does not display any channels but rather a disabled message on the TV's screen when the TV is turned on.

To change a Service Level.
1. Press the MENU button to display the SETUP menu.
2. Press the CH▲ / CH▼ buttons to highlight the Service Level item.
3. Press the VOL◄ / VOL► button to select the desired service level.
4. Press the SETUP button to exit.

```
SETUP MODE
■ Service Level               Free
■ Picture                      ►
■ Sound                        ►
■ Channel Setup                ►
■ Features                     ►
■ OSD Language             English
■ Source Setup                 ►
■ FM Radio Setup               ►


Position: ▲ ▼
Exit: SETUP                Next: ◄ ►
```
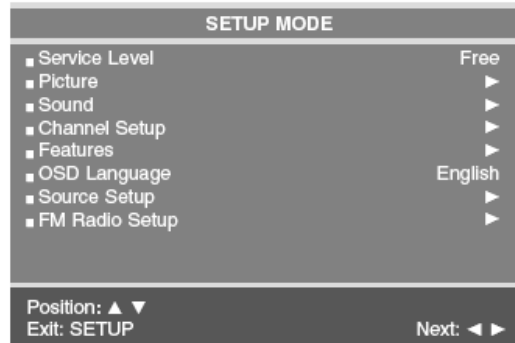
NOTE: If a service level is selected that is empty and has not been programmed with channels, a warning message will be displayed on the TV stating "No Channels Available, Please Contact a TV Representative." After 15 seconds the TV will shut itself off to conserve power. To eliminate this message switch the TV to a Service Level that has been programmed with channels.

Picture

Adjustment of picture Brightness, Contrast, Color, Tint, Color Temperature and Sharpness is available to customize the levels you prefer using the on-screen menus. Alternately, PDI factory preset picture modes can be selected using the remote control.

```
SETUP MODE                          Picture
■ Service Level         Free    ■ Brightness              65
■ Picture                ►      ■ Contrast                70
■ Sound                  ►      ■ Color                   75
■ Channel Setup          ►      ■ Tint                     0
■ Features               ►      ■ Color Temperature        ►
■ OSD Language       English    ■ Sharpness               60
■ Source Setup           ►      ■ PC Analog Picture        ►
■ FM Radio Setup         ►      ■ Component Input Picture   ►


Position: ▲ ▼                   Position: ▲ ▼
Exit: SETUP         Next: ◄ ►   Exit: SETUP         Next: ◄ ►
```
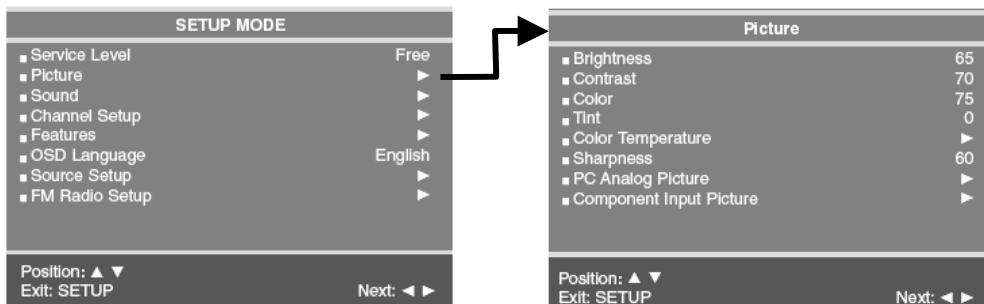
1. Press the SETUP button to display the SETUP menu.
2. Select the Picture menu item.
3. Press the CH▲ / CH▼ buttons to highlight the desired picture item – Brightness, Contrast, Color, Tint or Sharpness.
4. Adjust the picture item using the VOL◄ / VOL► buttons to the desired level.
5. Press the SETUP button to store the picture values.
NOTE: A separate set of picture parameters are available for computer (PC Analog Picture) or external devices such as DVD's (Component Input Picture).

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Picture Controls

Color Temperature

The color temperature menu appears only when the P32LCDC is in TV, Composite Video, or S-Video modes. "Standard", "Reddish", "Greenish", "Bluish" color temperatures are available for selection, however the individual colors are not adjustable. The "USER" setting allows individual adjustment of each of the TV's primary colors. The color temperature setting is best set using a calibrated signal source capable of generating a test signal containing both pure white and pure black picture components.

Picture	
▪ Brightness	65
▪ Contrast	70
▪ Color	75
▪ Tint	0
▪ Color Temperature	►
▪ Sharpness	60
▪ PC Analog Picture	►
▪ Component Input Picture	►

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

Color Temperature
▪ Standard
▪ Reddish
▪ Greenish
▪ Bluish
▪ User

R   G   B

Position: ▲ ▼
Exit: SETUP
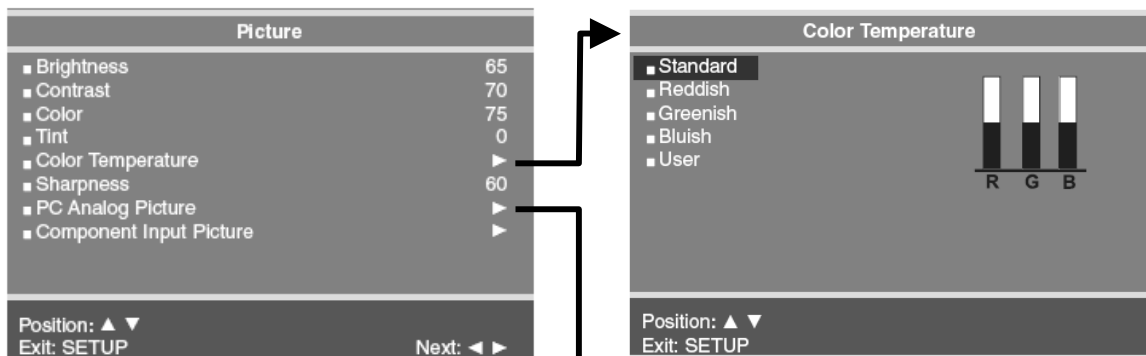
PC Analog Picture

Adjustment of a computer's displayed picture can be made only when the TV is in "PC-Analog" mode.

Temperature

Temperature is a measure of the warmth of an image. Two temperatures are available 6500K or 9300K.

Clock

The Clock adjustment is used to minimize any vertical bars or stripes visible on the screen's background. Adjustment of the clock setting also changes the horizontal screen size.

Phase

The Phase adjustment removes any horizontal noise and is helpful in sharpening text characters.

ARC (Aspect Ratio Control)

Selects the ratio of the screen size (Horizontal : Vertical); 4:3, 14:9, or 16:9.

PC Analog Picture	
▪ Temperature	6500K
▪ Clock	0
▪ Phase	0
▪ ARC	16:9
▪ H-Position	0
▪ V-Position	0
▪ Auto	

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►
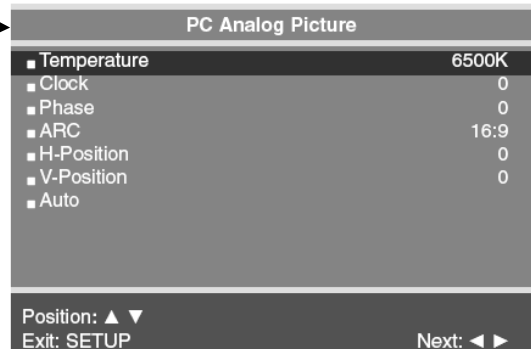
H-Position (Horizontal Position)

The H-Position moves the picture left or right across the screen.

V-Position (Vertical Position)

The V-Position moves the picture up or down across the screen.

Auto

This function performs automatic adjustment of the screen position, clock and clock phase.

Picture Controls

Component Input Picture

When the TV's source is set to Component Input additional picture adjustments are available.
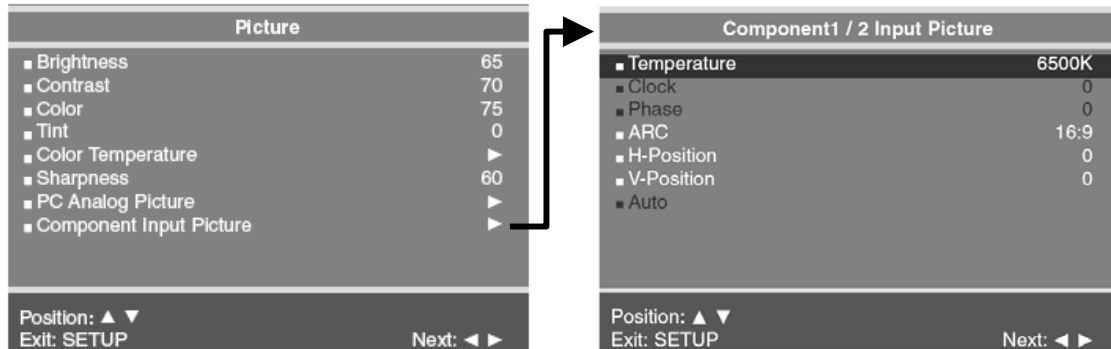
Picture	
▪ Brightness	65
▪ Contrast	70
▪ Color	75
▪ Tint	0
▪ Color Temperature	►
▪ Sharpness	60
▪ PC Analog Picture	►
▪ Component Input Picture	►

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

Component1 / 2 Input Picture	
▪ Temperature	6500K
▪ Clock	0
▪ Phase	0
▪ ARC	16:9
▪ H-Position	0
▪ V-Position	0
▪ Auto	

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

Temperature

Temperature is a measure of the warmth of an image. Two temperatures are available 6500K or 9300K.

ARC (Aspect Ratio Control)

Selects the ratio of the screen size
(Horizontal : Vertical); 4:3, 14:9, or 16:9.

H-Position (Horizontal Position)

The H-Position moves the picture left or right across the screen.

V-Position (Vertical Position)

The V-Position moves the picture up or down across the screen.

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Sound Control

SETUP MODE	
■ Service Level	Free
■ Picture	►
■ Sound	►
■ Channel Setup	►
■ Features	►
■ OSD Language	English
■ Source Setup	►
■ FM Radio Setup	►
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

Sound	
■ Equalizer	►
■ Balance	0
■ AVL	Enabled
■ Surround	Disabled
■ Minimum Volume	0
■ Maximum Volume	100
■ Power on Volume	Last
■ Internal Speaker Enable	►
■ HDMI Audio Port	HDMI
■ Composite / S-Video Sound Mode	L+R
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►
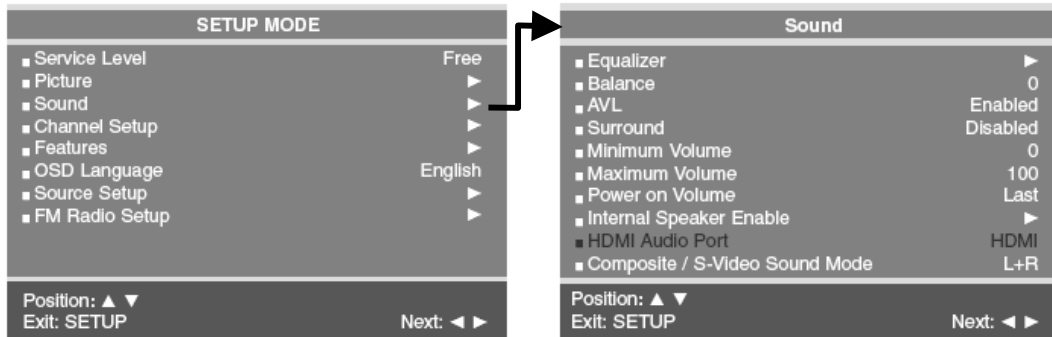
Sound
The Sound menu allows very precise adjustment of several sound parameters.

Sound	
■ Equalizer	►
■ Balance	0
■ AVL	Enabled
■ Surround	Disabled
■ Minimum Volume	0
■ Maximum Volume	100
■ Power on Volume	Last
■ Internal Speaker Enable	►
■ HDMI Audio Port	HDMI
■ Composite / S-Video Sound Mode	L+R
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

Equalizer
■ Flat
■ Music
■ Movie
■ Speech
■ User
0.1 0.5 1.5 5.0 10 kHz
Position: ▲ ▼
Exit: SETUP
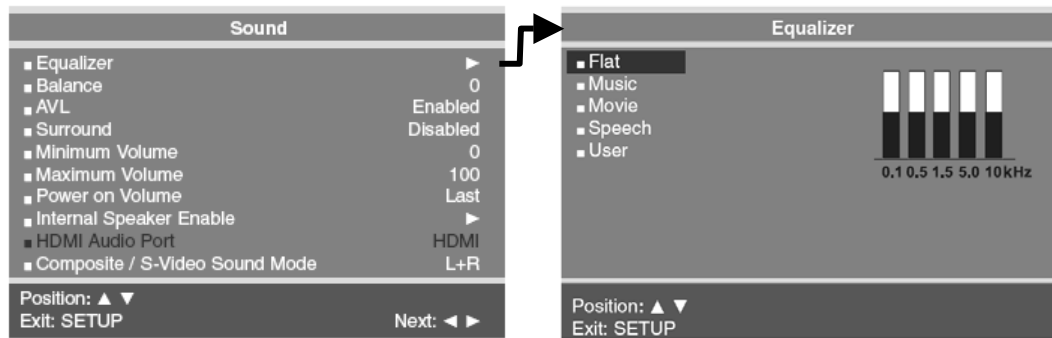
Equalizer
Four non-adjustable preset PDI factory sound modes are available: Flat, Music, Movie, or Speech. An adjustable User mode allows custom adjustment of the sound's tonal frequency response.

1. Press the SETUP button on the remote.

2. Select the Sound menu item.

3. Press the CH▲ / CH▼ button and select Equalizer.
   A listing of available frequency bands and current settings will be displayed.
   The Flat, Music, Movie, and Speech settings are factory preset sound modes and cannot be adjusted. Select User to adjust and customize the sound equalization.

4. Press the VOL◄ / VOL► button to select the desired sound band.

5. Press the CH▲ / CH▼ button to adjust the strength of sound for that particular sound band. Press the VOL◄ / VOL► button to select another sound band and adjust the strength with the CH▲ / CH▼ button.

6. Press the SETUP button to return to the preceding menu.

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Sound Control

Sound Status Memory

Selection of the factory preset equalized sound modes and user mode is also available directly using the remote control.

1. Press the SSM button on the remote control to display the current Sound Equalizer setting.

2. Press the SSM button repeatedly to advance and select a different equalizer setting.

| Flat | → | Music | → | Movie | → | Speech | → | User |

Balance

Adjusts the sound balance from the left and right speakers mounted in the TV. Balance has no effect on the pillow speaker.

1. In the Sound menu, press the CH▲ / CH▼ button to select Balance.

2. Press VOL◄ / VOL► to adjust the sound balance from the TV.

3. Press the SETUP button to return to the preceding menu.

Sound	
■ Equalizer	►
■ Balance	0
■ AVL	Enabled
■ Surround	Disabled
■ Minimum Volume	0
■ Maximum Volume	100
■ Power on Volume	Last
■ Internal Speaker Enable	►
■ HDMI Audio Port	HDMI
■ Composite / S-Video Sound Mode	L+R

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

AVL

Automatic Volume Level sound control is available through this setting. With the AVL set to Enabled, the TV's volume will be limited to two-thirds of maximum loudness. This feature prevents sound blasting during commercials.

1. In Sound menu, press the CH▲ / CH▼ button to select AVL.

2. Press VOL◄ / VOL► to select Disabled or Enabled.

3. Press the SETUP button to return to the preceding menu.

Surround

Surround sound adds an extra dimension to the depth of to the sound.

1. In Sound menu, press the CH▲ / CH▼ button to select Surround.

2. Press VOL◄ / VOL► to turn Surround Enabled or Disabled.

3. Press the SETUP button to return to the preceding menu.

Sound Control

Minimum Volume

Sets the minimum volume level the TV can reach. Setting this to any value other than 0 guarantees that some level of sound will always be heard when the TV is operating.

Sound	
■ Equalizer	►
■ Balance	0
■ AVL	Enabled
■ Surround	Disabled
■ Minimum Volume	0
■ Maximum Volume	100
■ Power on Volume	Last
■ Internal Speaker Enable	►
■ HDMI Audio Port	HDMI
■ Composite / S-Video Sound Mode	L+R

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

1. In the Sound menu, press the CH▲ / CH▼ button to select Minimum Volume.

2. Press the VOL◄ / VOL► button to select your preferred minimum volume with the TV turns on.

3. Press the SETUP button to return to the preceding menu.

Maximum Volume

Sets the maximum volume level the TV can reach. This setting is useful for the hard-of-hearing patient who causes disturbance.

1. In Sound menu, press the CH▲ / CH▼ button to select Maximum Volume.

2. Press the VOL◄ / VOL► button to determine your preferred maximum volume allowed.

3. Press the SETUP button to return to the preceding menu.

Power On Volume

Sets the initial volume the TV starts at upon powering on. Once the TV is on, the volume can be set to any allowable level.

1. In Sound menu, press the CH▲ / CH▼ button to select Power on Volume.

2. Press the VOL◄ / VOL► button to determine your preferred volume when the TV turns on. Setting the level to LAST causes the TV to remember the last volume level used by the TV prior to turning off.

3. Press the SETUP button to return to the preceding menu.

Sound Control

Internal Speaker Enable

The speaker's inside the TV's cabinet can be turned on or off for either different TV Service Levels or Source modes. Note: Sound to an attached pillow speaker remains on at all times.

Sound	
■ Equalizer	►
■ Balance	0
■ AVL	Enabled
■ Surround	Disabled
■ Minimum Volume	0
■ Maximum Volume	100
■ Power on Volume	Last
■ Internal Speaker Enable	►
■ HDMI Audio Port	HDMI
■ Composite / S-Video Sound Mode	L+R
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

Internal Speaker Enable	
	Speaker
■ TV Free Service Level	Enabled
■ TV Basic Service Level	Enabled
■ TV Premium Service Level	Enabled
■ Composite Video	Enabled
■ S-VIDEO	Enabled
■ Component1	Enabled
■ Component2	Enabled
■ HDMI	Enabled
■ PC-ANALOG	Enabled
■ FM RADIO	Enabled
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

1. In the Sound menu, press CH▲ / CH▼ button to select the Internal Speaker Enable menu item.

2. Press the CH▲ / CH▼ button to select the desired Service Level(s) or Sources.

3. Press VOL◄ / VOL► to select Disable or Enabled.

4. Press the SETUP button to return to the preceding menu.

HDMI Audio Port

Selects the source audio output to the TV's HDMI Audio Port.

1. In the Sound menu, press the CH▲ / CH▼ button to select HDMI Audio Port.

2. Press VOL◄ / VOL► to select HDMI, PC, Component1 or Component2.

3. Press the SETUP button to return to the preceding menu.

Composite / S-Video Sound Mode

The sound mode for the Component and S-Video sources can be set independently.

1. In Sound menu, press the CH▲ / CH▼ button to select Composite / S-Video Sound Mode.

2. Press VOL◄ / VOL► to select L+R, L+L or R+R.
    L+R : Audio signal from audio L input is sent to left loudspeaker and audio signal from audio R input is sent to right loudspeaker.
    L+L : Audio signal from audio L input is sent to left and right loudspeakers.
    R+R : Audio signal from audio R input is sent to left and right loudspeakers.

3. Press the SETUP button to return to the preceding menu.

Channel Setup

The TV offers three different programmable channel banks or Service Levels. A programming remote control is required to perform all TV setup adjustments including programming channels. The remote is **NOT** included with the TV and must be ordered separately – one remote is capable of programming an entire hospital of televisions. Please order programming remote control part number PD108-420.

SETUP MODE	
■ Service Level	Free
■ Picture	►
■ Sound	►
■ Channel Setup	►
■ Features	►
■ OSD Language	English
■ Source Setup	►
■ FM Radio Setup	►
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

Channel Setup	
■ Signal	Cable STD
■ Auto Program	►
■ Add/Delete Channels	►
■ Clear Service Level	►
■ Copy Service Level	►
■ Parental Control	►
■ Power on Channel	►
■ Channel Lock	Disabled
■ Channel Memory Override	Enabled
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►
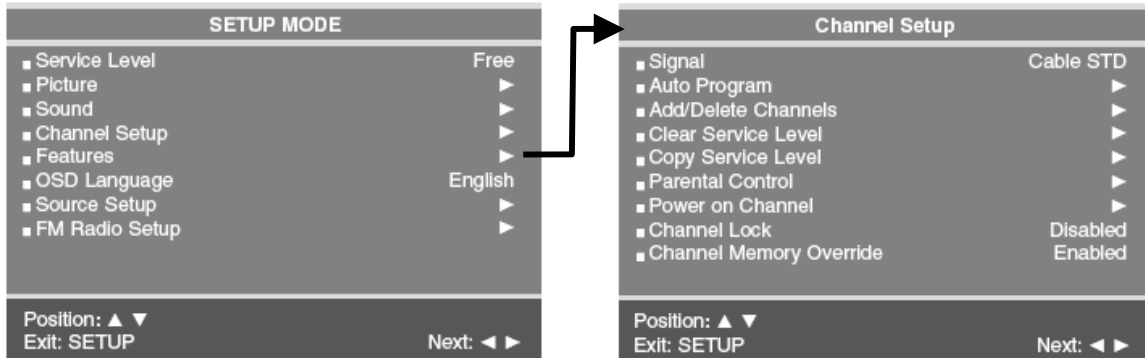
Signal

Four different tuning types are available depending upon the healthcare facilities signal style. Selection of the correct signal type is required for the TV to recognize all possible channels and before any channel programming can begin.

1. Press the SETUP button to display the SETUP MODE menu.

2. Press the CH▲ / CH▼ button to select Signal.

3. Press VOL◄ / VOL► to select Air, Cable STD, Cable IRC or Cable HRC. NOTE: Most hospitals use the Cable STD signal style.

4. Now perform Auto Program or Add/Delete Channels to adjust the channels.

Channel Setup

Auto Program

The TV automatically scans each available channel for activity. Channels that display activity are memorized into the selected Service Level.

Channel Setup	
■ Signal	Cable STD
■ Auto Program	►
■ Add/Delete Channels	►
■ Clear Service Level	►
■ Copy Service Level	►
■ Parental Control	►
■ Power on Channel	►
■ Channel Lock	Disabled
■ Channel Memory Override	Enabled

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

Auto Program	
■ Mode	Analog Only
■ Channel Sequence	Interleave A+D
■ Free	Programmed ►
■ Basic	Blank ►
■ Premium	Blank ►

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►
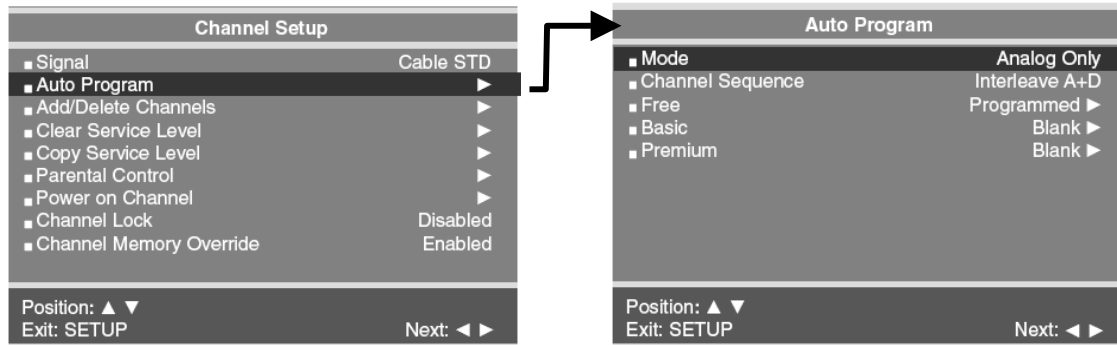
1. Press the SETUP button to display the SETUP MODE menu.

2. Press the CH▲ / CH▼ button to select Mode.

3. Press VOL◄ / VOL► to set the scope of channel scanning.
    Analog Only: TV searches for analog channels only.
    Digital Only: TV searched for digital channels only.
    Analog and Digital: TV searches for both analog and digital channels.

4. Press the CH▲ / CH▼ button to select the Channel Sequence menu item.

5. Press VOL◄ / VOL► to set the Channel Sequence in which the channels are displayed after searching. Most hospitals use Interleave A+D.
    Interleave A+D: In the order of channel number regardless of the system.
    All A then D: Digital channels are displayed after all analog channels.

6. Press the CH▲ / CH▼ button to select the Service Level you wish to program. The menu displays the current programming status of each level as either Programmed or Blank.
    NOTE: A Programmed service level can also be re-programmed if desired.

7. Press the VOL► button to start auto programming.

8. A confirmation menu will appear before proceeding. Press either the CH▲ to start auto programming. Press CH▼ button to cancel the operation. The TV will now search all available channels. Auto programming requires several minutes to complete.

9. Press the SETUP button to return to normal TV viewing.

Channel Setup

Add / Delete Channels

Individual analog TV channels that are missing can be added to a Service Level. Or, analog TV channels that require deletion can be removed from a Service Level. Currently registered Digital channels can be enabled or disabled in each service level.

```
              SETUP MODE
 ■ Service Level                    Free
 ■ Picture                           ►
 ■ Sound                             ►
 ■ Channel Setup                     ►
 ■ Features                          ►
 ■ OSD Language                   English
 ■ Source Setup                      ►
 ■ FM Radio Setup                    ►


 Position: ▲ ▼
 Exit: SETUP                   Next: ◄ ►
```

```
             Channel Setup
 ■ Signal                       Cable STD
 ■ Auto Program                      ►
 ■ Add/Delete Channels               ►
 ■ Clear Service Level               ►
 ■ Copy Service Level                ►
 ■ Parental Control                  ►
 ■ Power on Channel                  ►
 ■ Channel Lock                  Disabled
 ■ Channel Memory Override       Enabled

 Position: ▲ ▼
 Exit: SETUP                   Next: ◄ ►
```

```
      Add/Delete Channel Service Level
 ■ Free                      Programmed ►
 ■ Basic                          Blank ►
 ■ Premium                        Blank ►




 Position: ▲ ▼
 Exit: SETUP                   Next: ◄ ►
```
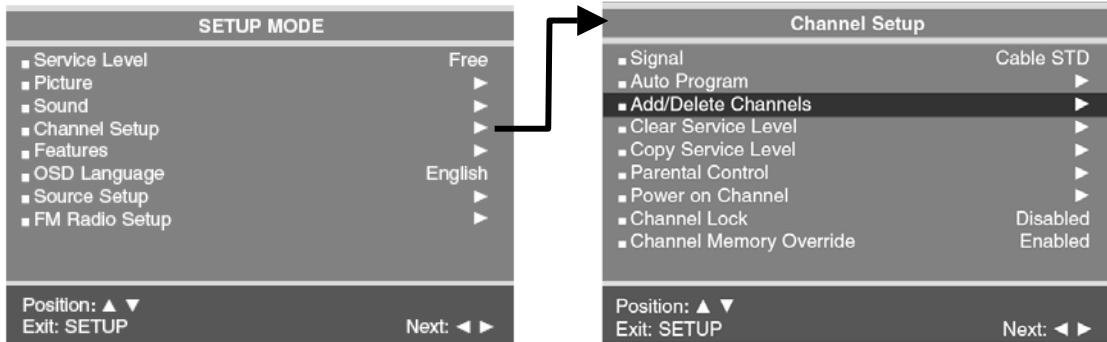
1. Press the SETUP button to display the SETUP MODE menu.

2. Press the CH▲ / CH▼ button to select Channel Setup. Press VOL◄ / VOL► to select.

3. Press the CH▲ / CH▼ button to select Add/Delete Channels. Press VOL◄ / VOL► to select.

4. Press the CH▲ / CH▼ button to select the Service Level you wish to add or delete channels.

5. Press VOL◄ / VOL► to enter the Add/Delete Channels menu for that Service Level.

Channel Setup

Add/Delete Channels	
■ Analog Channel	2
■ Add/Delete Analog Channel	Added
■ Enable/Disable Digital Channel	▶
Position: ▲ ▼	
Exit: SETUP	Next: ◀ ▶

Enable/Disable Digital Channel		
■ 2-1	WDTN-HD	Enabled
■ 2-2	WDTN-SD	Enabled
■ 5-1	WLWT-HD	Enabled
■ 5-2	WLWT-SD	Enabled
■ 7-1	WHIO-HD	Enabled
■ 9-1	WCPO-HD	Enabled
■ 9-2	WCPO-SD	Enabled
■ 14-2	14DT	Enabled
■ 14-3	14Prime	Enabled
■ 14-4	14Learn	Enabled
Position: ▲ ▼		
Exit: SETUP		Next: ◀ ▶
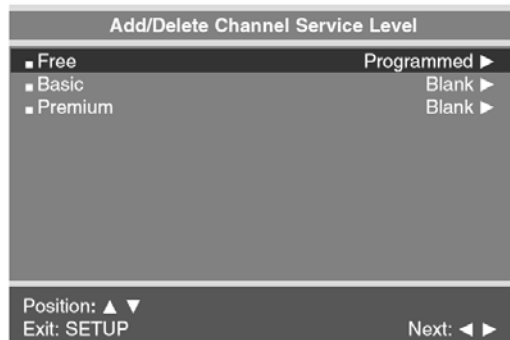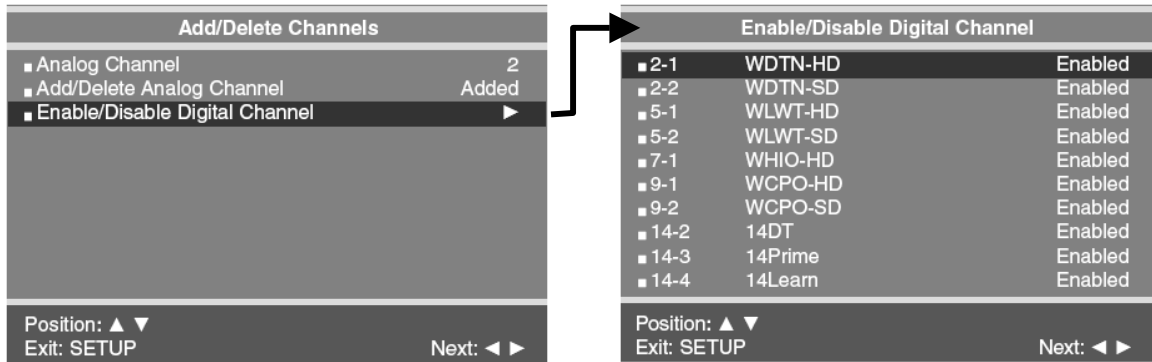
The Add/Delete Channels menu provides access to both Analog and Digital Channels.

6. Press VOL◀ / VOL▶ button to select the Analog Channel number. Then press the CH▲ / CH▼ buttons to select Add/Delete Analog Channel. Use the VOL◀ / VOL▶ button to select Added or Deleted.

7. Press CH▲ / CH▼ buttons to select Enabled/Disabled Digital Channels menu. Then press the VOL◀ / VOL▶ button to enter. A status listing of the current memorized channels is shown.

8. Select the channel to be changed using the CH▲ / CH▼ buttons. Use the VOL◀ / VOL▶ button to change the status to Enabled or Disabled.

9. Press the SETUP button to return to the preceding menu.

Channel Setup

Clear Service Level
Empties a service level of all programmed channels leaving it Blank.

Channel Setup	
▪ Signal	Cable STD
▪ Auto Program	►
▪ Add/Delete Channels	►
▪ Clear Service Level	►
▪ Copy Service Level	►
▪ Parental Control	►
▪ Power on Channel	►
▪ Channel Lock	Disabled
▪ Channel Memory Override	Enabled

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

Clear Service Level	
▪ Free	Programmed ►
▪ Basic	Blank ►
▪ Premium	Blank ►

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

Confirm Clear	
▪ Confirmation	►

Exit: SETUP   Yes: ▲
                                      No: ▼
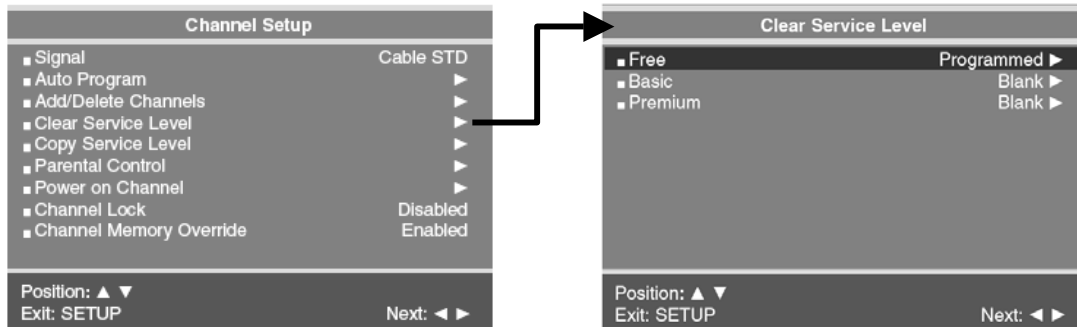
1. From the Channel Setup menu, press the CH▲ / CH▼ buttons to select Clear Service Level menu.

2. A listing of service levels is shown with the current programmed status. Press the CH▲ / CH▼ button to select the desired Service Level.

3. Press the VOL◄ / VOL► button once. A Confirm Clear menu appears.

4. Press the CH▲ to confirm clearing of the selected Service Level. Press the CH▼ button to exit without making any changes to the selected Service Level.

5. Press the SETUP button to return to the preceding menu.
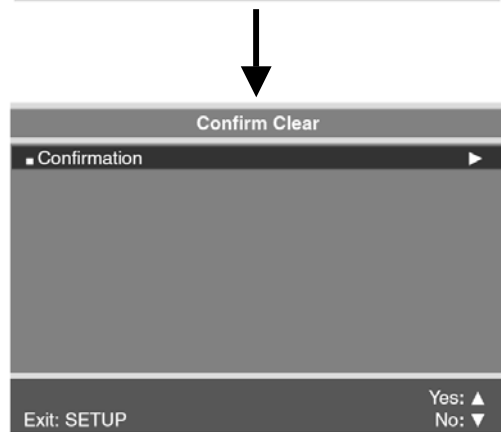
Copy Service Level
Copies one service level to another.

Channel Setup	
▪ Signal	Cable STD
▪ Auto Program	►
▪ Add/Delete Channels	►
▪ Clear Service Level	►
▪ Copy Service Level	►
▪ Parental Control	►
▪ Power on Channel	►
▪ Channel Lock	Disabled
▪ Channel Memory Override	Enabled

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

Copy Service Level	
▪ From : Free	To : Basic ►

Adjust From : ▲   Adjuste To : ▼ ▪
Exit: SETUP   Next: ◄ ►

Confirm Copy	
▪ Confirmation	►

Exit: SETUP   Yes: ▲
                          No: ▼
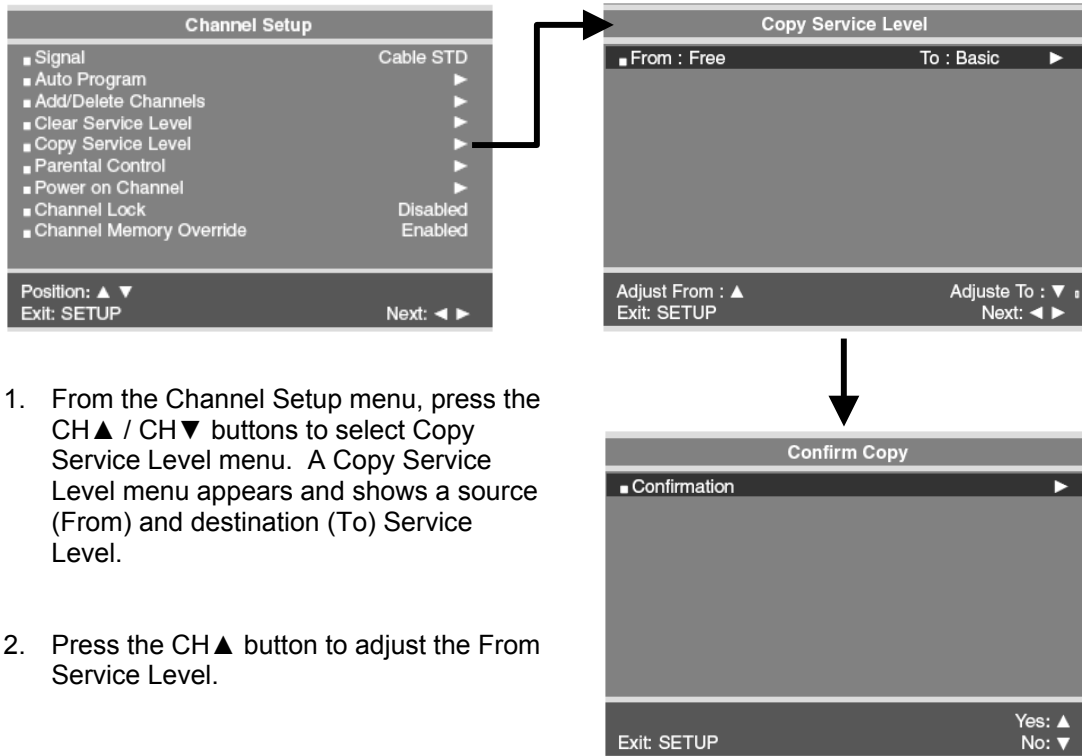
1. From the Channel Setup menu, press the CH▲ / CH▼ buttons to select Copy Service Level menu. A Copy Service Level menu appears and shows a source (From) and destination (To) Service Level.

2. Press the CH▲ button to adjust the From Service Level.

3. Press the Press the CH▼ button to select the To Service Level.

4. Press the VOL◄ / VOL► button once. A Confirm Copy menu appears.

5. Press the CH▲ to confirm clearing of the selected Service Level. Press the CH▼ button to exit without making any changes to the selected Service Level.

6. Press the SETUP button to return to the preceding menu.

Channel Setup

Parental Control

A parental control feature is available to restrict and block undesirable programs from appearing on the TV. This feature is of particular importance for televisions installed in pediatric wards.

Channel Setup	
■ Signal	Cable STD
■ Auto Program	►
■ Add/Delete Channels	►
■ Clear Service Level	►
■ Copy Service Level	►
■ Parental Control	►
■ Power on Channel	►
■ Channel Lock	Disabled
■ Channel Memory Override	Enabled

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

Parental Control - Password	
■ Enter Password	_ _ _ _

Exit: SETUP
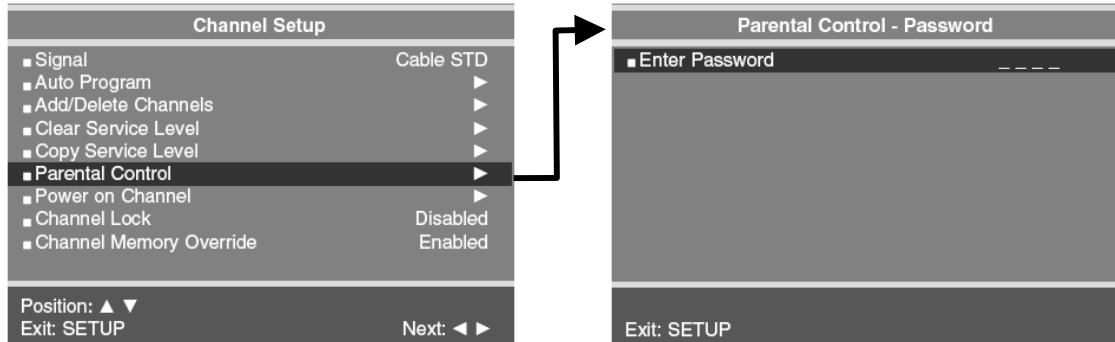
If the Parental Lock is Disabled in Parental Control menu, an Enter Password screen will appear. The default setting is Disabled.

1. In Channel Setup menu, press the CH▲ / CH▼ buttons to select Parental Control menu.

2. Using an IR remote control, enter the four digit password. An "**X**" will be echoed as each number is entered. The default input password for a new TV set is "**0000**". If the wrong password is entered, return to the Channel Setup menu and try again.

3. You may exit at any time by pressing the SETUP button to return to the preceding menu.

⚠	**IMPORTANT**: If the password is forgotten, it can be reset to "0000" by pressing the front panel "CC" button and the programmer remote "Setup" button simultaneously and holding both for 5 seconds.

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Parental Control

TV Rating

Most television programming is now rated. TV Rating allows the TV to selectively present only programming content that is unblocked per its preset level. A program that is blocked, displays a black screen only.

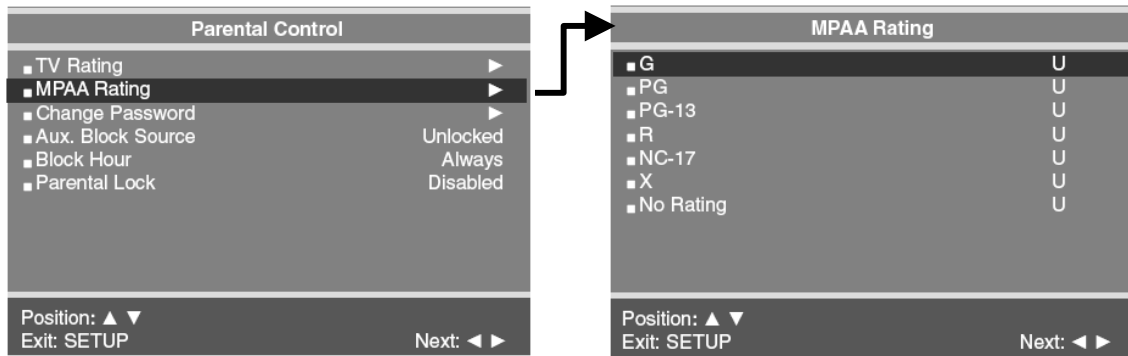| Parental Control	
▪ TV Rating	►
▪ MPAA Rating	►
▪ Change Password	►
▪ Aux. Block Source	Unlocked
▪ Block Hour	Always
▪ Parental Lock	Disabled

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

TV Rating	ALL	FV	V	S	L	D
▪ TV-Y	U					
▪ TV-Y7	U	U				
▪ TV-G	U					
▪ TV-PG	U		U	U	U	U
▪ TV-14	U		U	U	U	U
▪ TV-MA	U		U	U	U	

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►
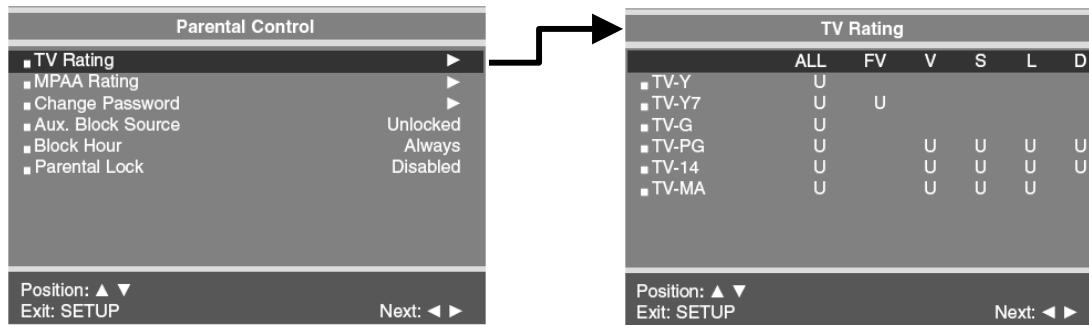
1. In the Parental Control menu, press the CH▲ / CH▼ button to select the TV Rating menu. Then press the VOL◄ / VOL► button to enter.

2. Press the CH▲ / CH▼ button to move to one of the six age-based categories. At this point, one of the TV-Ratings is selected. Depending on your existing setup, a letter "U" or "B" will be highlighted. (U=Unblocked, B=Blocked).

3. While the "U" or "B' is highlighted, press the CH▲ / CH▼ buttons to block or unblock the category.

4. Select one of these TV-Ratings: TV-Y, TV-Y7, TV-G, TV-PG, TV-14 or TV-MA. Then while the TV-Rating is selected, repeatedly press the VOL◄ / VOL► buttons. This will cycle through the available sub-ratings (ALL, FV, V, S, L or D). A highlighted letter ("U" or "B") will be displayed for each sub-rating. While the "U" or "B" is highlighted, press the CH▲ / CH▼ button to change the sub-rating. To select a different TV-Rating, press the CH▲ / CH▼ buttons with cursor in the first column.

5. Press the SETUP button to return to the preceding menu.

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Parental Control

MPAA Rating

Most televised movies are now rated. MPAA Rating selectively allows the TV to only present movie content that is unblocked per its preset level.
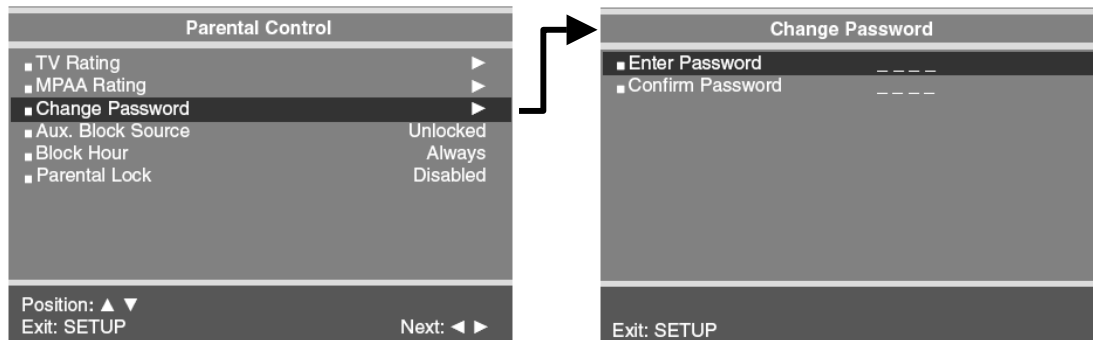
Parental Control	
■ TV Rating	▶
■ MPAA Rating	▶
■ Change Password	▶
■ Aux. Block Source	Unlocked
■ Block Hour	Always
■ Parental Lock	Disabled
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

MPAA Rating	
■ G	U
■ PG	U
■ PG-13	U
■ R	U
■ NC-17	U
■ X	U
■ No Rating	U
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

1. In Parental Control menu, press the CH▲ / CH▼ button to select the MPAA Rating menu. And then press the VOL◄ / VOL► button to enter.

2. Press the CH▲ / CH▼ button to select a particular MPAA Rating.

3. While a particular category is selected, press the VOL◄ / VOL► buttons to active it. A highlighted letter ('U' or 'B') will be displayed. Press the CH▲ / CH▼ button to change the 'U' or 'B'. The TV displays a black screen for a blocked movie.

4. Press the SETUP button to return to the previous menu.

   NOTE: Parental Control will automatically block any category that is "more restrictive"
   For example, if you block the "PG-13" category, then "R", "NC-17" and "X" will automatically be blocked also.

Parental Control

Change Password

The Parental Control access password can be changed using this menu.

Parental Control	
▪TV Rating	►
▪MPAA Rating	►
▪Change Password	►
▪Aux. Block Source	Unlocked
▪Block Hour	Always
▪Parental Lock	Disabled

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

Change Password	
▪Enter Password	_ _ _ _
▪Confirm Password	_ _ _ _

Exit: SETUP

1. From the Parental Control menu, press the CH▲ / CH▼ button to select the Change Password. Then press the VOL◄ / VOL► button to enter.

2. Enter a new Password. Confirm the Password a second time by entering the same digits.

3. Press SETUP to return to the previous menu.

Aux. Block Source

In addition to blocking the TV's programming, the auxiliary sources can be blocked. When the TV encounters a external signal source that is not appropriate per its settings, a black screen appears with muted sound.

1. From the Parental Control menu, press the CH▲ / CH▼ button to select AUX. Block source. Then press the VOL◄ / VOL► button to enter.

2. Press the buttons to change the "Unblocked" or "Blocked" status.

3. Press the SETUP button to return to the previous menu.

Block Hour

Block Hours sets the amount of time in hours you want Parental Control Active.

Parental Lock

With Parental Lock On, the Parental Function is active. Turn off to disable Parental Control.

Movie & TV Rating Systems

MOTION PICTURE ASSOCIATION OF USA (MPAA) RATING SYSTEM

Grade		Meaning
G	General Audiences	Content not offensive to most viewers
PG	Parental Guidance Suggested	Content is such that parents may not want their children to view the program.
PG-13	Parental Strongly Cautioned	Program is inappropriate for preteens, with a greater degree of offensive material Suggested than a PG rated program
R	Restricted viewing	Not for children under age 17. Strong elements of sex and/or violence.
NC-17	No Children under age 17	Not for children under age 17 under any circumstances. Strong sexual content.
X	Hard Core Films	Same as NC-17 rating.
No Rating	No Rating	MPAA Not Rated

TV PARENTAL GUIDELINE RATING SYSTEM

Grade		Meaning
TV-Y	Young Children	Content not offensive to most viewers
TV-Y7	Children 7 and over	Considered suitable for children over 7, may contain Fantasy Violence Scenes.
TV-G	Parental Audience	Considered suitable for all audiences; children may watch unattended.
TV-PG	Parental Guidance	Suggested Unsuitable for younger children, may contain: Suggestive Dialog, Bad Language, Sex, and Violence Scenes
TV-14	Parents Strongly Cautioned	Unsuitable for children under 14, may contain: Strong Dialog, Bad Language, Sex, and Violence Scenes.
TV-MA	Mature Audience Only	Adults only, may contain: Strong Dialog, Bad Language, Sex, and Violence Scenes.

NOTE
The V-Chip will automatically block certain categories that are 'more restrictive'. If you block TV-Y category, then TV-Y7 will be automatically blocked. Similarly, if you block TV-G category, then all the categories in the 'young adult' will be blocked; (TV-G, TV-PG, TV-14 and TV-MA).
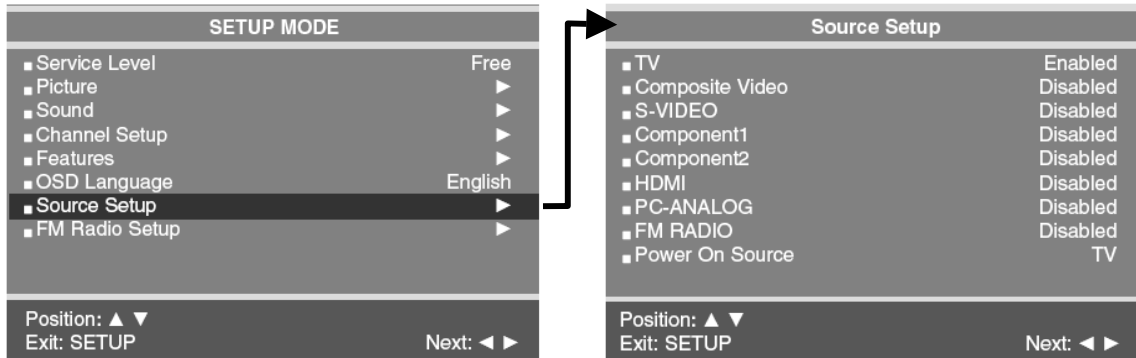
The sub-rating of TV rating

Grade	Meaning
FV	Fantasy Violence
V	Violence
S	Sexual Situation
L	Adult Language
D	Sexual Suggestive Dialog

Source Setup

Enabling / Disabling Sources

The TV's signal sources can be individually Enabled or Disabled. A TV that is switched to a non-connected source generates nuisance hospital maintenance calls of "TV Not Working", when in fact the TV does work, but has been set to an inactive source. Please Disable all of the TV's sources that are not to be used.

SETUP MODE	
▪ Service Level	Free
▪ Picture	►
▪ Sound	►
▪ Channel Setup	►
▪ Features	►
▪ OSD Language	English
▪ Source Setup	►
▪ FM Radio Setup	►
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

Source Setup	
▪ TV	Enabled
▪ Composite Video	Disabled
▪ S-VIDEO	Disabled
▪ Component1	Disabled
▪ Component2	Disabled
▪ HDMI	Disabled
▪ PC-ANALOG	Disabled
▪ FM RADIO	Disabled
▪ Power On Source	TV
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

1. From the SETUP menu press the CH▲ / CH▼ button to select Source Setup.   Then press the VOL◄ / VOL► button to enter.

2. Press the CH▲ / CH▼ buttons to select a source.

3. Press the VOL◄ / VOL► button to change the source status to either Disabled or Enabled as desired. NOTE: Sources that are grayed out are not installed in the TV.

4. Press the SETUP button to exit.

Power On Source

The TV can be preset to power on to a select source.
1. From the SETUP menu press the CH▲ / CH▼ button to select Source Setup.   Then press the VOL◄ / VOL► button to enter.

2. Press the CH▲ / CH▼ buttons to select Power On Source.

3. Press the VOL◄ / VOL► button to change the source. NOTE: The source must be enabled before it can be chosen as a power on source. The "LAST" entry causes the TV to power on from the "LAST" source selected.
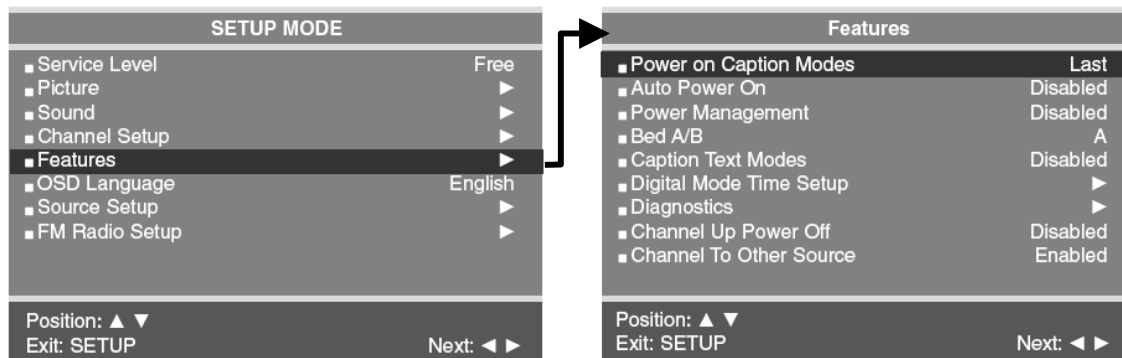
4. Press the SETUP button to exit.

Features

The Features menu provides adjustable settings that customize the TV to your hospital.

Power On Captions Mode
Power on Captions Mode memorizes the caption setting upon powering the TV off. With this feature set to Off, the TV will always power on with captions disabled.
With this feature set to Last, the TV powers on with the last used caption's setting.

SETUP MODE	
■ Service Level	Free
■ Picture	►
■ Sound	►
■ Channel Setup	►
■ Features	►
■ OSD Language	English
■ Source Setup	►
■ FM Radio Setup	►
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

Features	
■ Power on Caption Modes	Last
■ Auto Power On	Disabled
■ Power Management	Disabled
■ Bed A/B	A
■ Caption Text Modes	Disabled
■ Digital Mode Time Setup	►
■ Diagnostics	►
■ Channel Up Power Off	Disabled
■ Channel To Other Source	Enabled
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

1. Press the SETUP button.

2. Press the CH▲ / CH▼ button to select the Features menu.

3. Press the CH▲ / CH▼ button to select Power On Captions Mode.

4. Press the VOL◄ / VOL► button to select Last or Off.

5. Press the SETUP button to return to the preceding menu.

Auto Power On
The TV will turn on and stay on whenever electrical power is applied to the set. This feature is useful for controlling the TV from a wall switch or preventing the TV from being turned off via the front TV power button, IR remote, or pillow speaker.

1. In Features menu, press the CH▲ / CH▼ button to select Auto Power On.

2. Press the VOL◄ / VOL► button to select Disabled or Enabled.

3. Press the SETUP button to return to the preceding menu.

Features

Power Management

The TV will automatically power off after a specific period of viewer inactivity providing energy savings.

1. In Features menu, press the CH▲ / CH▼ button to select Power Management.

2. Press the VOL◄ / VOL► button to determine active time. Set to Disabled to turn off this feature.

3. Press the SETUP button to return to the preceding menu.

NOTE: Auto Power On must be set to Disabled for this function to operate.

Features	
■ Power on Caption Modes	Last
■ Auto Power On	Disabled
■ Power Management	Disabled
■ Bed A/B	A
■ Caption Text Modes	Disabled
■ Digital Mode Time Setup	►
■ Diagnostics	►
■ Channel Up Power Off	Disabled
■ Channel To Other Sources	Enabled

Position: ▲ ▼
Exit: SETUP   Next: ◄ ►

Bed A/B

The TV can be controlled using a patient IR remote controls part number PD108-421. This feature setting selects which IR remote control to recognize. The patient remote can be set to either bed A or bed B codes.

1. In Features menu, press the CH▲ / CH▼ button to select Bed A/B.

2. Press the VOL◄ / VOL► button to select remote control A or B.

3. Press the SETUP button to return to the preceding menu.

Caption Text Modes

The captions is a process which converts the audio portion of a television program into written words which then appear on the television screen in a form similar to subtitles.

1. In Features menu, press the CH▲ / CH▼ button to select Caption Text Modes.

2. Press the VOL◄ / VOL► button to select Disabled or Enabled.

3. Press the SETUP button to return to the preceding menu.

    Caption Text Modes set Enabled, the caption mode is displayed as shown below.
    Off → CC1 → CC2 → Text1 → Text2 → Off
    Caption Text Modes set Disabled, the caption mode is displayed as shown below.
    Off → CC1 → CC2 → Off

Features

Digital Mode Time Setup

The current time will be set automatically from a digital channel signal provided by a broadcasting TV station.

1. In Features menu, press the CH▲ / CH▼ button to select Digital Mode Time Setup.

2. Press the VOL◄ / VOL► button to select your viewing area time zone;
   Pacific, Alaska, Hawaii, Newfoundland, Atlantic, Eastern, Central, Mountain.

3. Press the CH▲ / CH▼ button to select Daylight Saving.

4. Press the VOL◄ / VOL► button to select Auto, On, Off depending on whether or not your viewing area observes Daylight Saving time.

5. Press the SETUP button to return to the preceding menu.

Diagnostics

This menu provides readouts of the TV's internal operation. The Diagnostics menu items are read-only and can not be changed.

	Diagnostics	
■ Field ON Hours		0
■ Field Powered Hours		0
■ Analog F/W VSN		1.00
■ Digital F/W VSN		1.00
■ Factory Code		0
Exit: SETUP		

Field ON Hours: Cumulative time TV is actually on.

Field Powered Hours: Cumulative time TV is powered.

Analog F/W VSN: Analog Firmware Version.

Digital F/W VSN: Digital Firmware Version.

Factory Code: Use for Factory Diagnostics

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Features

Channel Up Power Off

This feature causes the TV to turn off once it reaches the highest numbered (last) channel. When the feature is disabled, the TV will continue on to the lowest channel and not turn off.

1. In Features menu, press the CH▲ / CH▼ button to select Channel Up Power Off.

2. Press the VOL◄ / VOL► button to select Enabled or Disabled.

3. Press the SETUP button to return to the preceding menu.

```
                     Features
▪ Power on Caption Modes              Last
▪ Auto Power On                   Disabled
▪ Power Management                Disabled
▪ Bed A/B                                A
▪ Caption Text Modes              Disabled
▪ Digital Mode Time Setup                ►
▪ Diagnostics                            ►
▪ Channel Up Power Off            Disabled
▪ Channel To Other Source         Enabled

Position: ▲ ▼
Exit: SETUP                      Next: ◄ ►
```
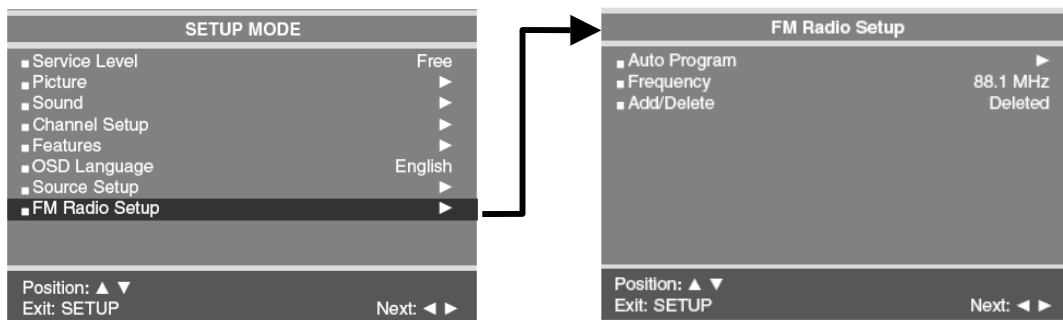
Channel To Other Source

External signal sources connected to the TV such as DVD players or Game Boys are shown in the current channel lineup after the highest channel and then shown on the TV. Set this feature to Disabled to require the activation of the external sources via a key press of the TV's front "TV/AV" button.

1. In Features menu, press the CH▲ / CH▼ button to select Channel To Other Source.

2. Press the VOL◄ / VOL► button to select Enabled or Disabled.

3. Press the SETUP button to return to the preceding menu.

```
                     Features
▪ Power on Caption Modes              Last
▪ Auto Power On                   Disabled
▪ Power Management                Disabled
▪ Bed A/B                                A
▪ Caption Text Modes              Disabled
▪ Digital Mode Time Setup                ►
▪ Diagnostics                            ►
▪ Channel Up Power Off            Disabled
▪ Channel To Other Source         Enabled

Position: ▲ ▼
Exit: SETUP                      Next: ◄ ►
```

FM Radio

FM Radio Setup
You can listen to FM radio stations that are combined with the cable TV signals using this TV.

> ⚠ **IMPORTANT**: The FM radio source must be enabled in the SOURCE SETUP menu before using the FM Radio setup menu.

```
SETUP MODE
■ Service Level            Free
■ Picture                    ►
■ Sound                      ►
■ Channel Setup              ►
■ Features                   ►
■ OSD Language            English
■ Source Setup               ►
■ FM Radio Setup             ►

Position: ▲ ▼
Exit: SETUP              Next: ◄ ►
```

```
FM Radio Setup
■ Auto Program               ►
■ Frequency            88.1 MHz
■ Add/Delete            Deleted




Position: ▲ ▼
Exit: SETUP              Next: ◄ ►
```

```
FM Radio Auto Programming



          0 %



Exit: SETUP
```

```
FM Radio Auto Programming



          0 %



Exit: SETUP
```

Auto Program

1. Press the SETUP button.

2. Press the CH▲ / CH▼ button to select the FM Radio Setup menu. Then press the VOL◄ / VOL► buttons to enter the menu.

3. Press the VOL◄ / VOL► button to automatically scan.

4. Press the CH▲ / CH▼ button to Confirm FM Radio Auto Program. (CH▲=Yes, CH▼=No). The TV will now search all available radio channels looking for signals and memorizing those radio channels that are active.

5. Press the SETUP button to return to FM Radio Setup menu.
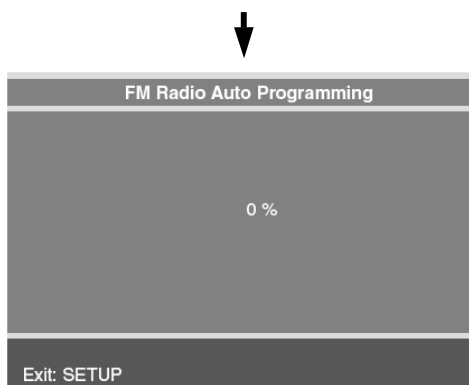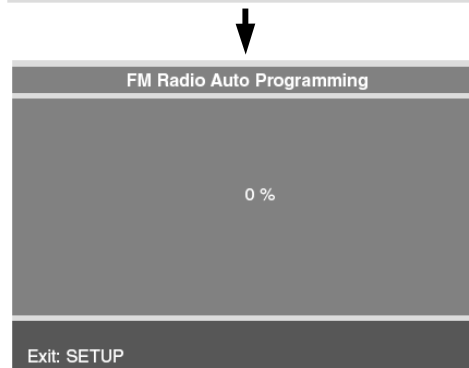
Add/Delete Stations

1. Select the Frequency you wish to Add or Delete.

2. To delete a frequency from memory, press the CH▲ / CH▼ button to select Add/Delete.

3. Select off with the VOL◄ / VOL► to Add or Delete the frequency.

4. Press the Setup button to return to the FM Radio Setup menu.

Specifications*

Model	PDI-P32LCDC		
Television system	DTV-ATSC (VSB, Clear QAM) / TV-NTSC		
Television program	Air VHF: 2~69 Cable Std 2~125 Cable HRC/IRC 1~125(NTSC) Air VHF: 2~69 Cable Std 2~134 Cable HRC/IRC 1~134(ATSC/QAM)		
LCD Panel	32" WIDE TFT LCD		
Panel Resolution	WXGA(1366 x 768)		
Power consumption	180W		
External antenna impedance	75Ω		
Audio output	10W +10W		
External IN/OUT ports	• HDMI • PC ANALOG IN • PC AUDIO IN • S-VIDEO IN • COMPONENT1 IN	• COMPONENT2 IN • SPDIF OUT • AV IN • AV OUT • ANT IN	• CCI • PILLOW • MTI • SVC
AC Input	AC100-120V~, 1.6A~1.4A, 50/60Hz		
Dimension	W x H x D : 816mm x 572.6mm x 110mm		
Weight	40 lbs, 18.1 kg		

* All rights reserved for technical modifications.

Troubleshooting

PROBLEM	CHECK
No Picture on Screen, No Sound from Speakers	• Make sure the TV set is powered – Power indicator is Red. • Turn on the TV using the "ON/OFF" power button.
No Picture, Sound OK	• Check the Brightness setting of the TV. • Internal LCD panel lamps may have failed. • If a secondary source is selected, verify the Video input signal is connected.
Picture OK, No Sound	• Check the Volume settings. • Verify the Sound has not been muted. • Verify the pillow speaker is connected with the pillow speaker volume wheel adjusted for proper sound. • If a secondary source is selected, verify the audio input signal is connected.
No Sound from Internal TV Speakers	• Verify TV speaker has not been disabled in the "Internal Speaker Disable" setup menu. • Verify the Sound has not been muted.
Picture is too Light	• Verify correct color and contrast settings.
Picture is too Dark	• Verify Brightness setting correct and not too low. • Internal LCD Panel lamps may have failed.
Remote Control does not work	• Change the remote's batteries. • Verify the TV's IR window is not flooded with strong lights such as from fluorescent lamps. • For a Patient Remote, verify correct Bed Code settings.
Picture is not sharp. Picture moves or jitters.	• The cable TV signal may be weak. • Verify the coax cable is connected.
Picture has ghost images	• The cable TV signal may be weak. • The coax cable connection may be loose.
Stripes or Dots move through picture	• Possible interference from nearby hospital equipment. • The cable TV signal may be weak.

Limited Warranty

NOTE: Opening the TV set, or attempting a repair by non-PDI personnel will void the warranty!

PDI Communication Systems Inc., ("PDI") warrants, to the original purchaser only, that this television will be free from defects in materials and workmanship, under normal use, for 2 years from the date of original purchase. This warranty does not cover any other equipment that may have been included with PDI's shipment of this product.

After receipt of written notice of a defect or malfunction occurring during the warranty period, PDI will repair or replace goods returned to its Springboro, Ohio location, at its discretion, free of charge to the original purchaser, the whole or any component part of any product manufactured by PDI and found by PDI to be defective.

As a condition to obtaining warranty service, written notification must be received by PDI within at least ten (10) days after defect is first observed. Repair of said product requires it to be shipped to the PDI factory in Springboro, Ohio. All shipments shall be F.O.B. Springboro, Ohio, and all shipping and freight charges to PDI's factory shall be paid by the customer.

This warranty shall not apply to any PDI products subjected to improper use, negligence or accident; nor to tampering, alterations, or repairs by others, without PDI's specific prior written authorization. For information regarding authorized servicing and all other information pertaining to this warranty, please contact PDI COMMUNICATION SYSTEMS at 40 Greenwood Lane, Springboro, Ohio 45066 or phone 937-743-6010.

This warranty gives specific legal rights and you may also have other rights which vary from state to state.

PDI's liability under this warranty is limited to repair or replacement of defective products and parts as provided above. PDI shall not be liable for incidental or consequential damages.*

The warranty contained herein is in lieu of all other expressed or implied warranties, including any implied warranty of merchantability or fitness for any particular purpose. PDI neither assumes nor authorizes any person to assume, on its behalf, any other obligation or liability.

*Some states do not allow the exclusion of limitation of incidental or consequential damages or a disclaimer of warranties implied by law, so the above limitation or exclusion may not apply.

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Springboro, Ohio 45066

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WEB: pdiarm.com or pditv.com