

**User  
Manual**

# **PDI-P20LCD TV**

## **Pillow Speaker Controlled**



**PDi**<sup>®</sup>

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## **Model PDI-P20LCD**

### **Hospital Grade LCD TV**

*Better Solutions Are Within Reach<sup>®</sup>*

## Warnings

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	
<b>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.</b>		



*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 DISINFECTING

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.

### COMPUTER MONITOR

The PDI-P20LCD can not be used as a computer monitor.



### 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.

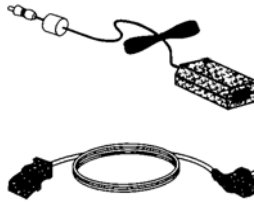
### SERVICE INSTRUCTIONS

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.

## POWER



This set operates on a DC voltage provided by the AC-DC adaptor, the voltage is as indicated on the label on the back cover. Use only the AC-DC adaptor supplied with the set and never apply AC wall outlet voltage to the set directly. The AC-DC adaptor operates from an AC wall outlet.

- a. Connect the DC plug of the AC-DC adaptor to the 15V socket on back of the set.
- b. Connect the AC-DC adaptor and its power cord.
- c. Connect the hospital-grade power cord to an AC outlet.

In the event of thunderstorms or power outages, please unplug the AC-DC adaptor from the wall outlet and unplug the cable TV coax. Do not allow anything to rest upon or roll over the power cord, and do not place the power cord where it is subject to damage.

## 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-P20LCD 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.



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

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 produce 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.



## Copyright, Disclaimer, and Trademarks

### COPYRIGHT

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### DISCLAIMER

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### TRADEMARKS

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# INSTALLATION

## LOCATION GUIDELINES

The model PDI-P20LCD 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-P20LCD is capable of being mounted with several commercially available mounting brackets utilizing the 100 mm VESA hole pattern. The PDI-P20LCD TV is able to be wall mounted at the foot of a patient's bed with the supplied bracket. Select a location that is near a 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.

## OSHPD (State of California Only)

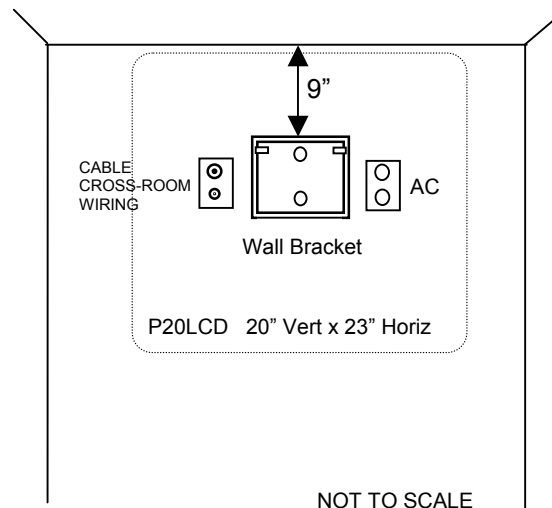
The combined weight of the PDI-P20LCD TV, wall mount, and power supply totals less than 20 pounds. At the time of this writing, the involvement of a written, submitted, reviewed, and approved plan by OSHPD is not required to install the PDI-P20LCD TV in the state of California.

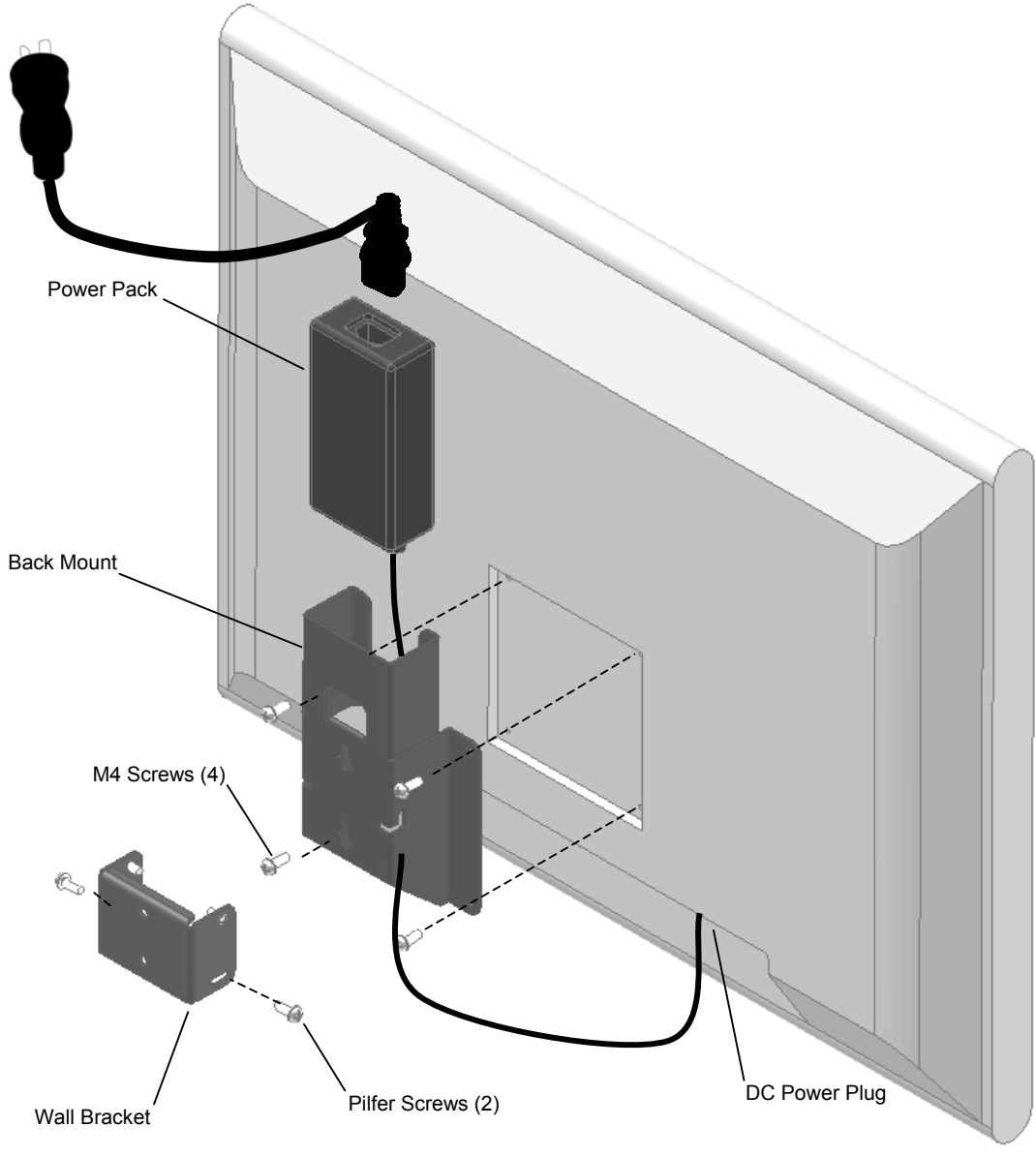
## CABLE SYSTEM GROUNDING

The coax cable system connected to the PDI-P20LCD 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 THE LCD TV WITH THE SUPPLIED BRACKET

1. Select a location on the wall approximately 9 inches below the ceiling. Position the Wall Bracket and locate two mounting holes. Secure the bracket to the wall (mounting hardware is not included).
2. Position the Back Mount on the LCD TV cabinet. Attach with four M4 screws provided.
3. Mate the Back Mount to the Wall Bracket making sure the pivot bolts are retained in the "L" shaped slot. Secure with two 10x32 pilfer screws.
4. Slide the Power Pack into the metal holster. Connect the DC Power Plug into the "DC 15V" connector on the back of the TV. Connect the AC line cord.
5. The TV's tilt can be adjusted by loosening both Pilfer Screws, adjusting tilt, and then tighten.






**Installation Exploded View**

**ACROSS-ROOM WIRING**

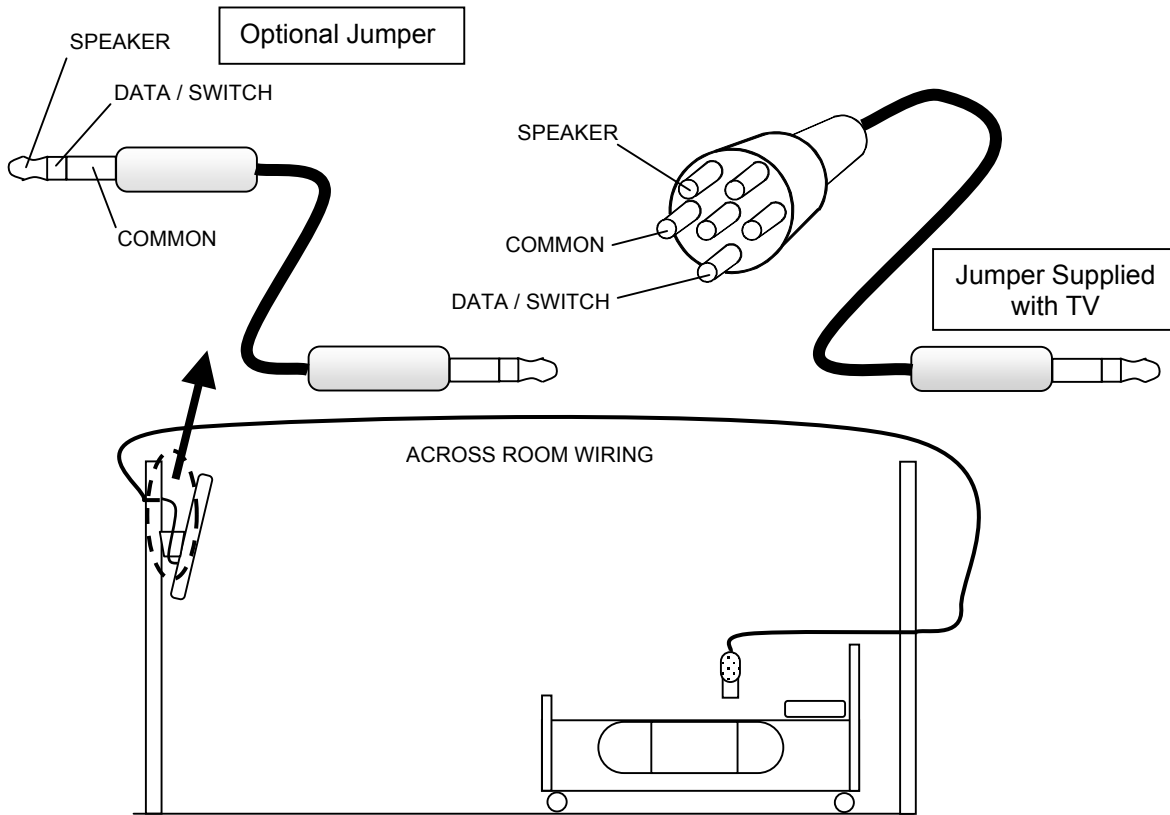
A 1/4" stereo style pillow speaker (pendant control) jack is located on the TV's connector panel on the backside. The PDI-P20LCD is designed to work with either a digital pillow speaker or a single-button analog (switch-style) pillow speaker. The PDI-P20LCD also supports certain style pillow speakers with a number pad for direct channel access. The following pillow speakers have been tested with the PDI-P20LCD. Please contact the pillow speaker vendor directly for an additional listing of models and available options.


Make	Analog	Digital	Digital Direct Access
Curbell	3103-001	3D0103096000ZM0-001	D0108-A0Z-R0001
Medtek	A1833-087	A1871-085T	A1552-087D, A1871-087D,
Crest		XL031E0AXXXZ1N1 XL031E1AJ00Z1N1	XL031X0AXXXZ1N1 XL031X1AJ00Z1N1

Use type SJ cord or better for the across room wiring between the TV and the bedside pendant control. A pin-out is provide below.



**WARNING:** DO NOT connect the pillow speaker circuit Common to earth ground. Grounding of the Common will defeat the isolation circuitry of the PDI-P20LCD and possibly expose the patient to harmful shock currents should a wiring fault occur.

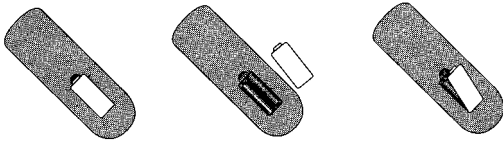




**CAUTION** Installer. This product is not provided with a pendant control. It is expected that the institution (or hospital) will provide one for attachment to the Pillow Speaker Jack on the back of the TV. As part of the installation, examine the pendant control to verify whether a marking similar to the one below appears on it:  
*'CAUTION – Risk of fire if used in oxygen-enriched atmosphere – return to hook or holder after use.'*

## REMOTE

### BATTERY INSTALLATION



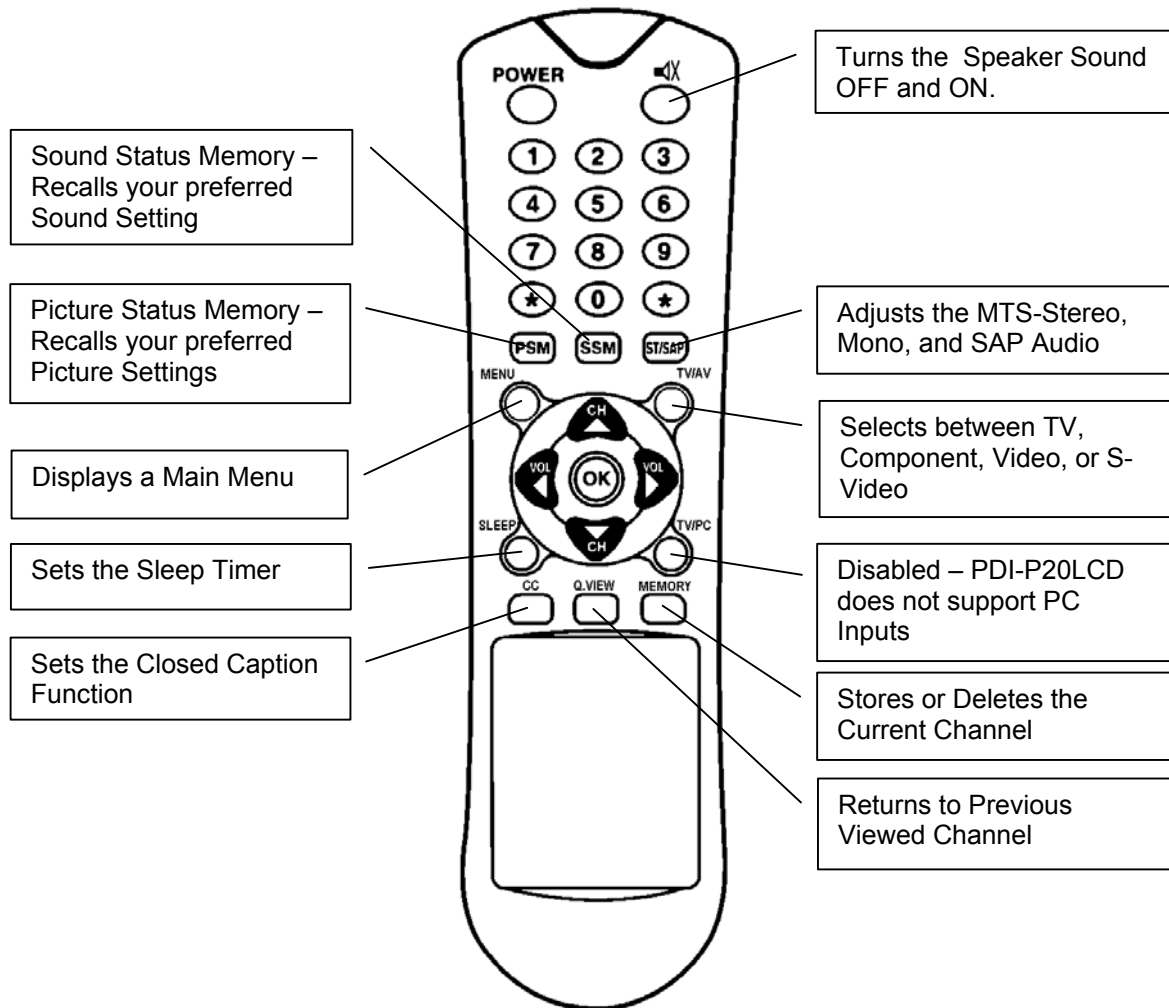
1. Pull the battery cover upward in the arrow direction to remove.
2. Insert two “AAA” batteries. Observe the correct polarity.
3. Replace the battery cover.

### USING THE REMOTE

1. Make sure there are no objects between the remote control and its sensor.
2. Don't store the remote control near a heater or damp place.
3. A strong impact to the remote control may cause damage and operational failure to the remote.
4. Fluorescent lights, sunlight, or other strong light directed on the front of the TV may interrupt the remote signal. In this case, position the TV away from the light in another direction to restore operation of the remote control.

### FUNCTIONS

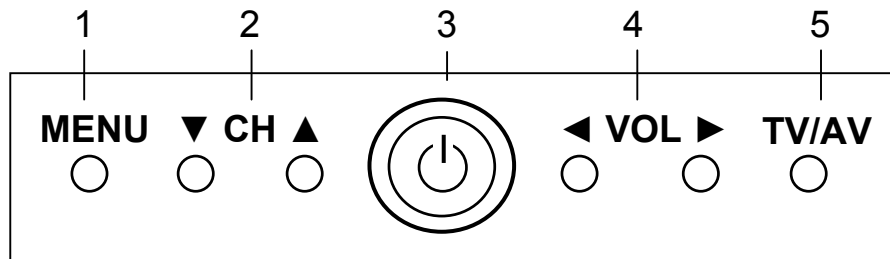
All TV functions can be controlled using the remote control.





## Controls

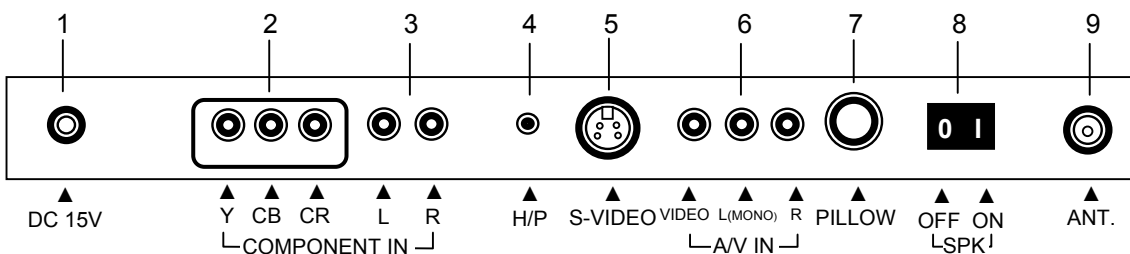
1. **MENU** – Displays on-screen menu. The MENU button can be disabled using the remote control to prevent patient and visitor tampering – see the “Special” menu and “Lock” instructions elsewhere in this manual for details.
2. **▼CH ▲** – Selects a TV channel or a MENU item when the on-screen menu is active.
3. **POWER** – Turns the TV On and Off. Illuminates red when the TV is Off. Illuminates green when the TV is On. Flashes when an IR remote control signal is detected by the TV.
4. **◀VOL ▶** - Adjusts the internal TV speaker or external pillow speaker volume up or down. Also adjusts a selected menu item when the on-screen menu is active.
5. **TV/AV** – Selects either TV, COMPONENT, VIDEO, or S-VIDEO. The TV/AV button can be disabled using the remote control to prevent patient and visitor tampering – see the “Special” menu and “Lock” instructions elsewhere in this manual for details.



## Connections

### Connection Panel

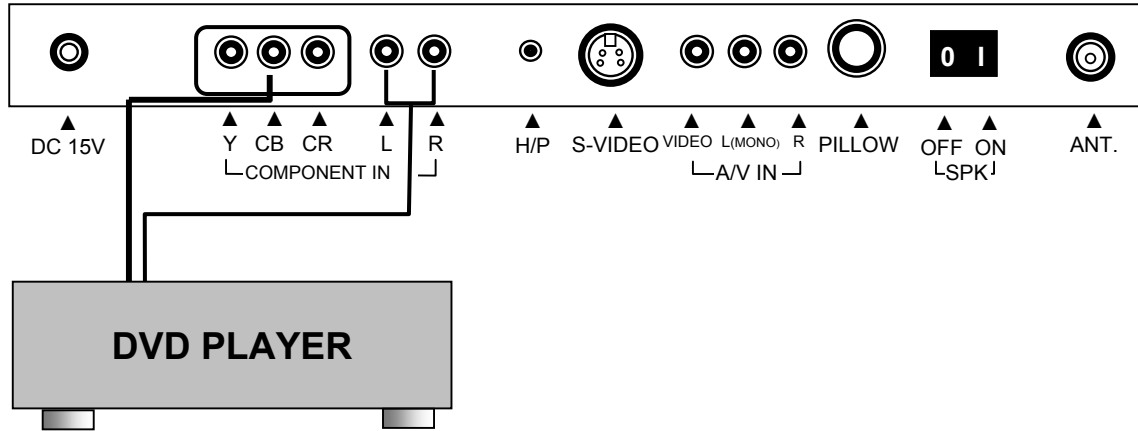
The connection panel is located on the back of the TV below the back wall mount and provides connections to external equipment.



1. **DC 15V** – Connection point for the external power supply.
2. **COMPONENT IN** – Component video input.
3. **L R** – Component audio input.
4. **H/P** – Stereo Headphone output.
5. **S-VIDEO** – S-Video input.
6. **AV IN** – VCR video and audio input.
7. **PILLOW** – Digital pillow speaker output.
8. **SPK** – On Off switch for the internal TV speakers and H/P jack.
9. **ANT.** – CATV RF cable input.

### COMPONENT IN (DVD)

1. Connect the Video outputs (Y CB CR) on a DVD to the COMPONENT IN of the TV.  
Note: The cable and connectors are color coded – just match the colors.
2. Press the TV/AV button to select Component mode. The mode is displayed at the top right of the screen. The TV's TV/AV button may be disabled to prevent patient or visitor tampering – see the "Special" menu and "Lock" instructions elsewhere in this manual for details.
3. Press the PLAY button on the DVD.

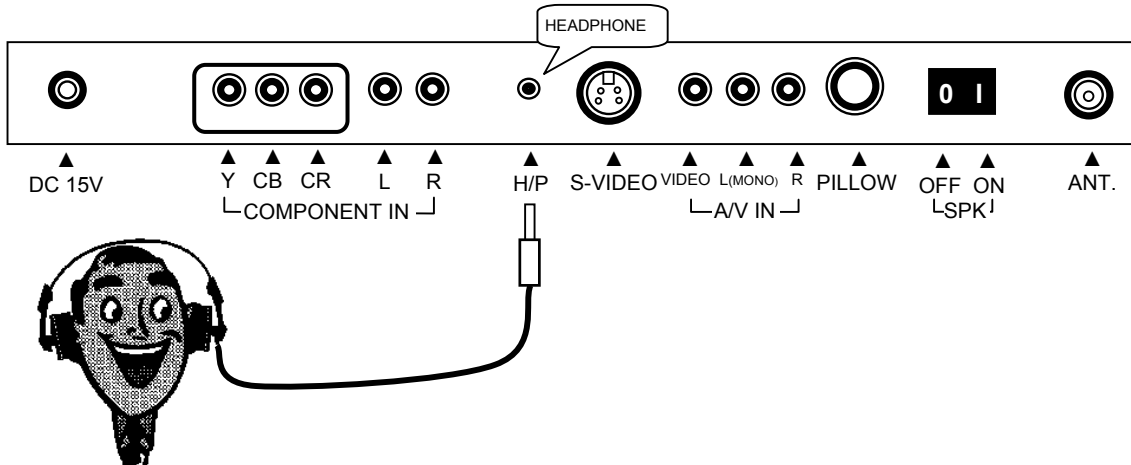


### H/P (Headphones)

You can listen to the sound using headphones.

NOTE: The SPK switch must be ON for the headphones to operate. If the SPK switch is OFF, the headphones will also be turned off.

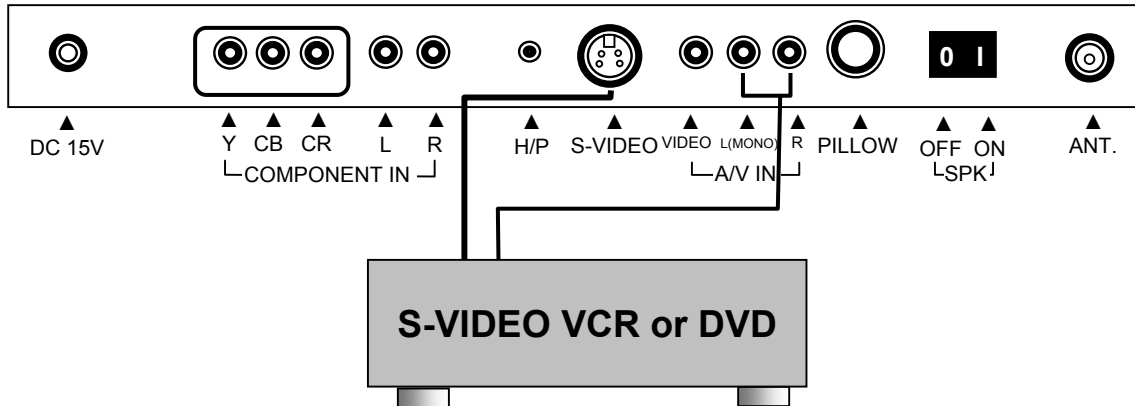
1. Insert the headphone plug into the headphone jack on the TV.  
Note: the TV speakers will be shut off whenever a headphone is plugged into the headphone jack.
2. Adjust the headphone volume by press on the VOL ◀▶ button.
3. Press the MUTE button on the remote control to silence the headphone.



### S-VIDEO (VCR or DVD)

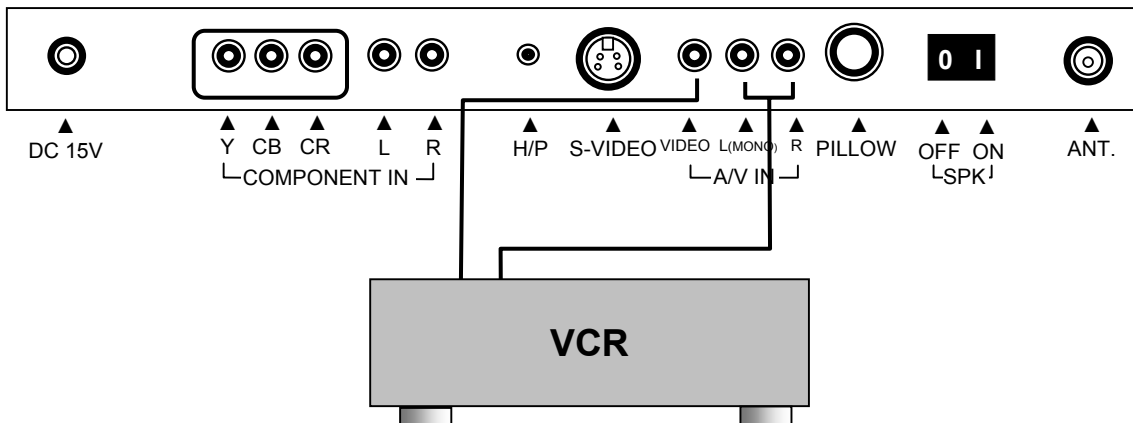
Many VCRs provide S-Video signals for improved picture quality.

1. Connect the S-VIDEO output of a VCR to the S-VIDEO input on the TV.
2. Connect the audio cables from the S-VIDEO VCR to the L(MONO) R inputs of the TV.
3. Select S-VIDEO mode by pressing the TV/AV button repeatedly. The TV's TV/AV button may be disabled to prevent patient or visitor tampering – see the "Special" menu and "Lock" instructions elsewhere in this manual for details.
4. Press the PLAY button on the VCR.



### A/V IN (VCR)

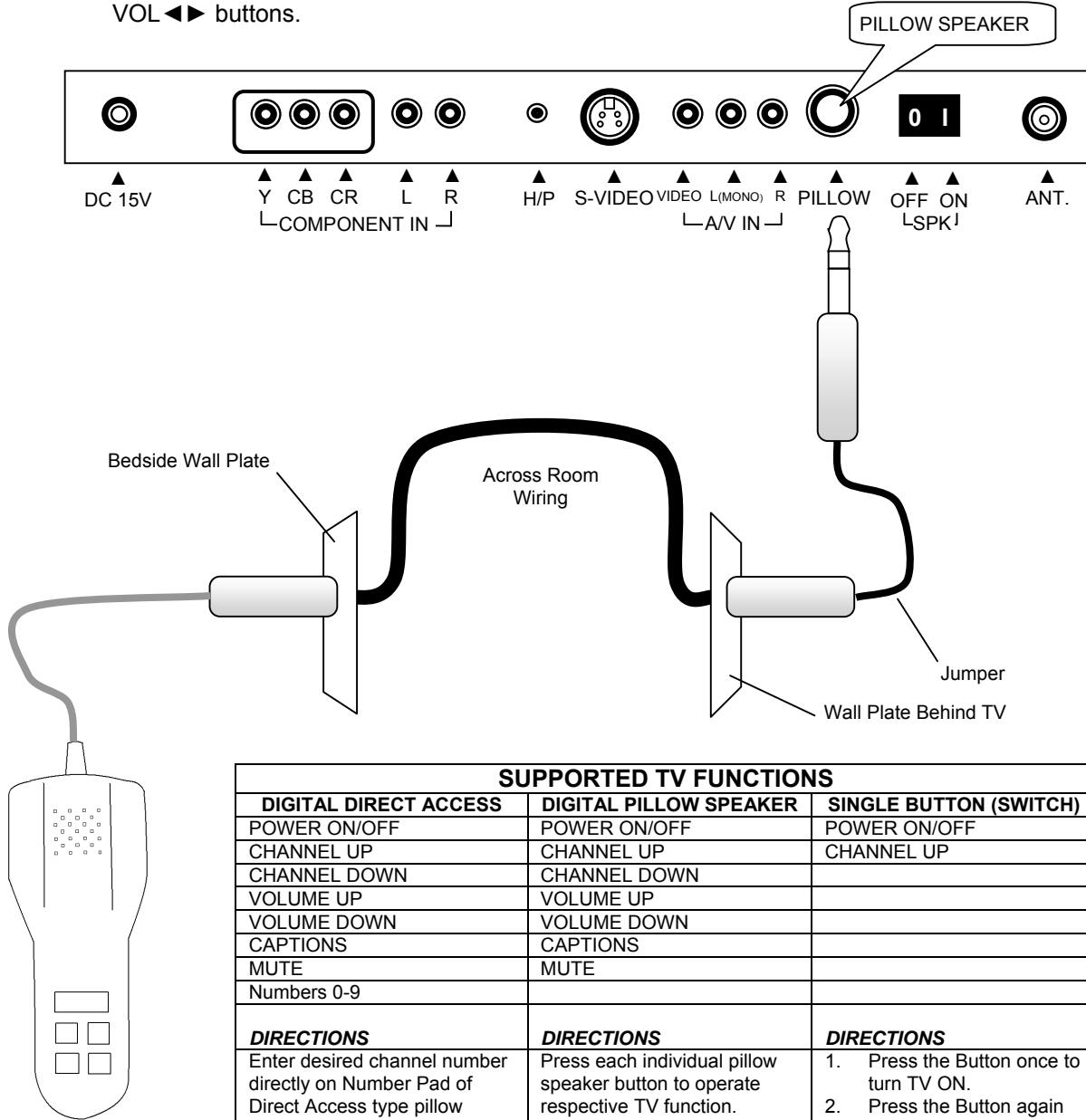
1. Connect the audio outputs from the VCR (L, R) to the A/V in on the TV. Connections are color code.
2. Connect the video output from the VCR to the A/V in on the TV. Connection is color-coded.
3. Select VIDEO mode by pressing the TV/AV button repeatedly. The TV/AV button can be disabled using the remote control to prevent patient or visitor tampering – see the "Special" menu and "Lock" instructions elsewhere in this manual for details.
4. Press the PLAY button on the VCR.



**PILLOW**

A 1/4" stereo style pillow speaker (pendant control) jack is located on the TV's connector panel on the backside. See Page 7 for a partial list of compatible pillow speakers. Please contact the pillow speaker vendor directly for an additional listing of models and available options.

1. Connect the pillow speaker to the PILLOW jack.
2. Simple control of the TV is now possible using the pillow speaker.  
 NOTE: If the pillow speaker's volume is too low, increase the volume on the TV using the VOL ◀▶ buttons.



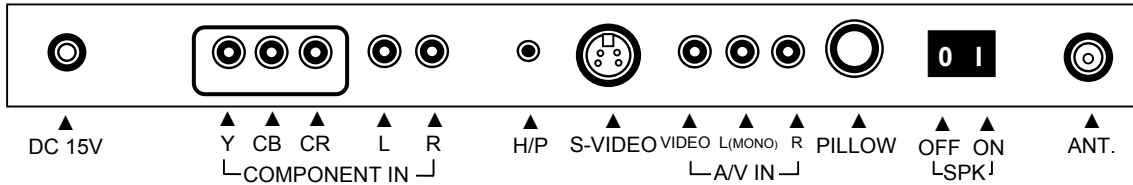
<b>SUPPORTED TV FUNCTIONS</b>		
<b>DIGITAL DIRECT ACCESS</b>	<b>DIGITAL PILLOW SPEAKER</b>	<b>SINGLE BUTTON (SWITCH)</b>
POWER ON/OFF	POWER ON/OFF	POWER ON/OFF
CHANNEL UP	CHANNEL UP	CHANNEL UP
CHANNEL DOWN	CHANNEL DOWN	
VOLUME UP	VOLUME UP	
VOLUME DOWN	VOLUME DOWN	
CAPTIONS	CAPTIONS	
MUTE	MUTE	
Numbers 0-9		
<b>DIRECTIONS</b>	<b>DIRECTIONS</b>	<b>DIRECTIONS</b>
Enter desired channel number directly on Number Pad of Direct Access type pillow speakers.	Press each individual pillow speaker button to operate respective TV function.	1. Press the Button once to turn TV ON. 2. Press the Button again to channel up. 3. Press and Hold Button down to turn TV OFF.

### SPK

The internal TV's speakers can be turned OFF for privacy. TV sound will only be heard using the pillow speaker. NOTE: The SPK switch also turns OFF the H/P headphone jack as well.

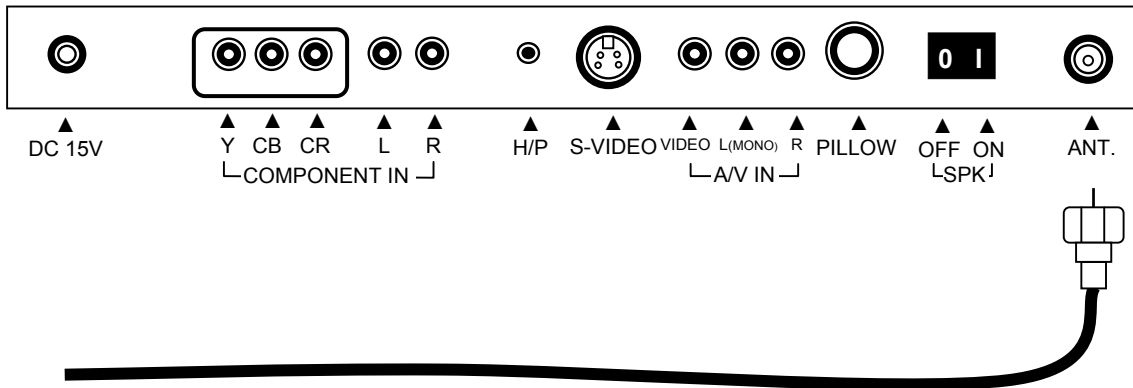
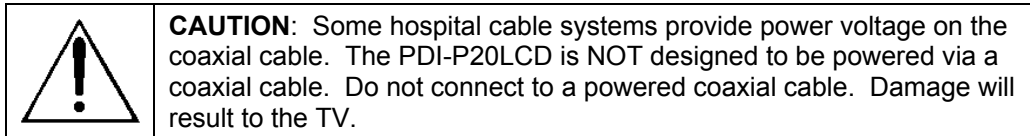
1. To turn Off the TV's speakers, press the "O".
2. To turn On the TV's speakers, press the "I".

Note: Pillow Speaker sound is always present.



### ANT.

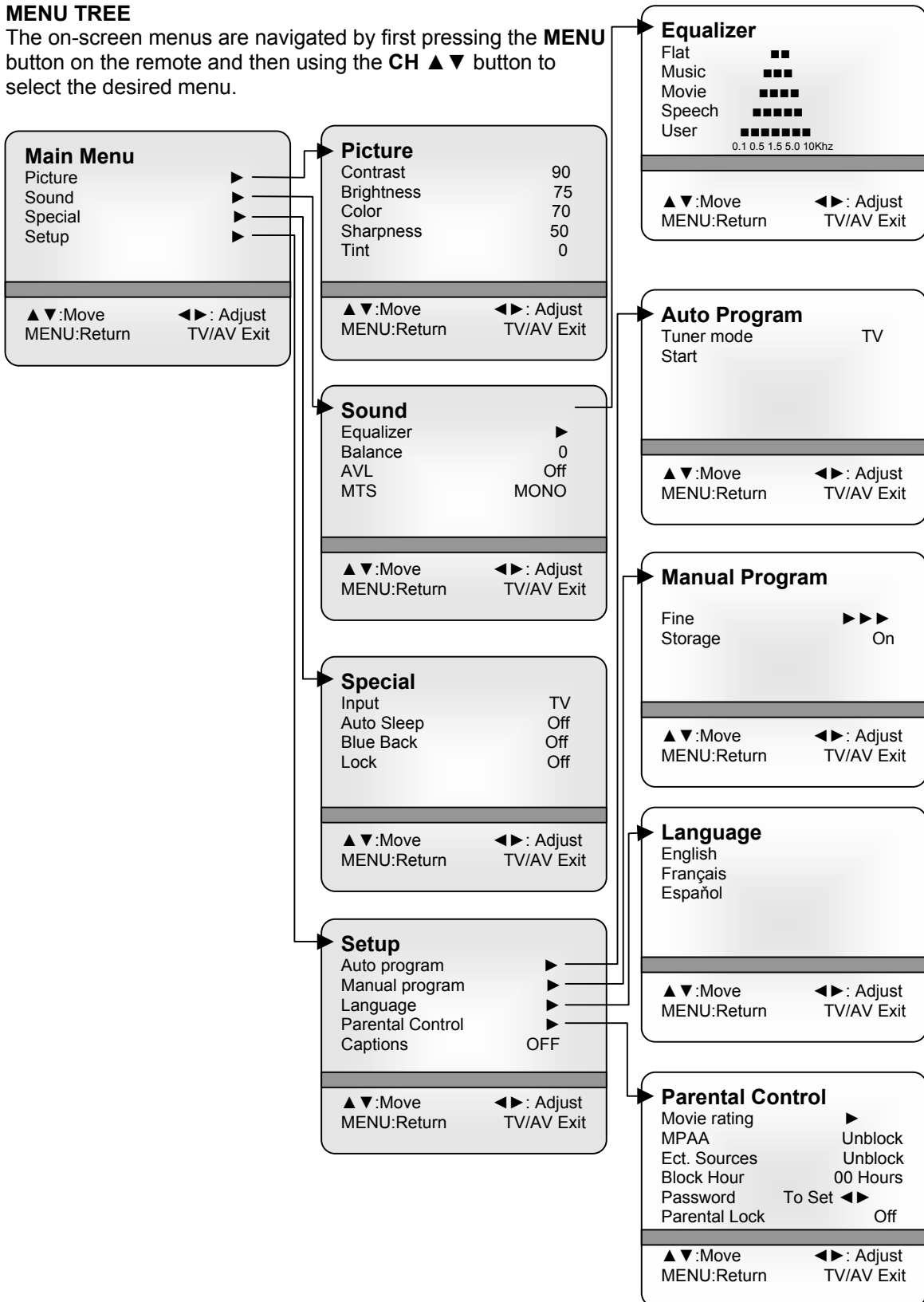
Connect the hospital's cable to this fitting.



# MENUS

## MENU TREE

The on-screen menus are navigated by first pressing the **MENU** button on the remote and then using the **CH ▲ ▼** button to select the desired menu.



## AUTO PROGRAM

Automatically memorizes all of the receivable channel on a hospital's cable TV system.

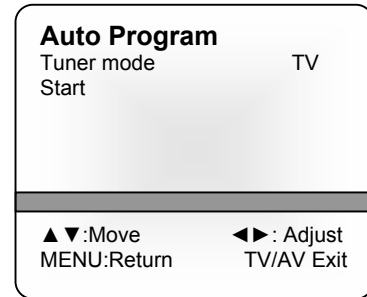
Press the **MENU** button on the remote.

1. Select the **Setup** menu.
2. Select **Auto Program**.
3. Press the **CH▲▼** button and select **Tuner Mode**.
4. Select the TV cable system in your hospital with the **VOL◀▶** button.

NOTE: Tuner Mode = TV is used for a cable system that has a master antenna and usually can only receive local TV Stations.

Tuner Mode = CATV is used when a hospital cable system has both local and satellite TV channels available. CATV tuner mode is most common in hospital TV cable systems.

5. Select the **Start** menu with the **CH▲▼** button.
6. Press the **VOL◀▶** button to start Auto Programming. The TV will now search all available channels looking for signals and memorizing those channels that are active. Occasionally, strong over-the-air stations sneak onto the cable system. To remove unwanted channels see **Manual Program**.
7. Press the **MENU** button to finish auto programming.
8. Press the **TV/AV** button to return to normal TV viewing.



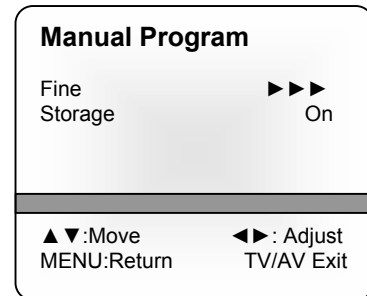
## HINTS

- Press the **CH▲▼** buttons to check the memorized channels after auto programming is finished.
- If you press the **MENU** button during auto programming, the function will stop and only channels programmed up to that point in time would remain.
- The auto programming function can memorize only those channels that are active at the time of programming. For example, a hospital educational channel may not be actively playing a tape and would not be memorized using auto program. See the Manual Program section for adding and deleting channels.

## MANUAL PROGRAM

Manual Program allows you to manually add or delete channels.

1. Tune to the channel you wish to add or delete.  
Press the **MENU** button.
2. Select the **Setup** menu.
3. Select the **Manual Program** menu.
4. To fine tune the channel, select the **Fine** menu and adjust the received signal with the **VOL◀▶**. Note: Fine tuning is usually not required with today's modern cable TV equipment. This adjustment is best left alone.
5. Select **Storage** On or Off with the **VOL◀▶** button.  
With **Storage** On, the current channel will be stored into the TV's memory and made available for viewing by the patient. With Storage Off, the current channel will be removed from the TV's memory and not be available for viewing by the patient. However, the deleted channel can still be viewed by directly entering the channel's number using the IR remote's keypad.
6. Press the **TV/AV** button to return to normal TV viewing.



HINT: For quick channel programming, use the remote control's dedicated "MEMORY" button to directly delete a channel. To add a channel not currently in memory, enter the channel number using the remote control's keypad and then press the "MEMORY" button to add the channel.

## Picture

You can adjust picture Contrast, Brightness, Color, Sharpness and Tint to the levels you prefer using the on-screen menus or select PDI factory preset picture modes using the remote control.

### USER PICTURE CONTROL

1. Press the **MENU** button.
2. Select the **Picture** Menu.
3. Press the **CH▲▼** button to select a picture item.
4. Press the **VOL◀▶** button to adjust the picture item to the desired level.
5. Press the **TV/AV** button to store the picture values in the User mode.

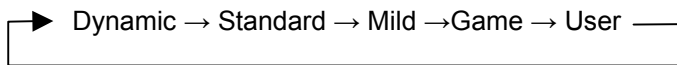
Picture	
Contrast	90
Brightness	75
Color	70
Sharpness	50
Tint	0

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▲▼:Move      ◀▶: Adjust  
 MENU:Return      TV/AV Exit

### PSM – PICTURE STATUS MEMORY

1. Press the **PSM** button on the remote to view the current picture mode.
2. Press the **PSM** button repeatedly to select another **PSM** setting. The **PSM** setting will cycle and the picture's factory parameter settings will change accordingly.



<b>Dynamic</b>	Vivid Picture Appearance
<b>Standard</b>	Standard Picture Appearance
<b>Mild</b>	Softer Picture Appearance
<b>Game</b>	External Video Game Appearance
<b>User</b>	Manual Picture Setup

3. Press the **OK** button on the remote to select the currently displayed picture mode.

## Sound

You can adjust the sound using Equalizer levels via the on-screen menus or select PDI factory preset sound modes using the remote control.

### EQUALIZER

1. Press the **MENU** button on the remote.
2. Select the **Sound** menu.
3. Press the **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◀▶** button to select the desired sound band.
5. Press the **CH▲▼** button to adjust the strength of sound for that particular sound band. Alternately, press **VOL◀▶** to select the next desired sound band and adjust with the **CH▲▼** button.
6. Press the **MENU** button to return to the preceding Menu and the **TV/AV** button to return to normal TV viewing.

Equalizer	
Flat	■■
Music	■■■
Movie	■■■■
Speech	■■■■■
User	■■■■■■■
0.1 0.5 1.5 5.0 10KHz	

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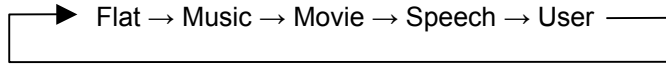
▲▼:Move      ◀▶: Adjust  
 MENU:Return      TV/AV Exit



### AUTO SOUND CONTROL

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

1. Press the **SSM** button to display the current Sound Equalizer setting.
2. Press the **SSM** button repeatedly to advance and select a different equalizer setting.



3. Press the **OK** button to accept the current selection.

### BALANCE

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

1. Press the **MENU** button.
2. Select **Sound** from the menu.
3. Press the **CH▲▼** button and select Balance.
4. Press **VOL◀▶** to adjust the sound balance from the TV.
5. Press the **MENU** button to return to the preceding Menu and the **TV/AV** button to return to normal TV viewing.

### AVL

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

1. Press the **MENU** button.
2. Select **Sound** from the menu.
3. Press the **CH▲▼** button and select Balance.
4. Press **VOL◀▶** to adjust the sound balance from the TV.
5. Press the **MENU** button to return to the preceding Menu and the **TV/AV** button to return to normal TV viewing.

### MTS

You can select the type of sound generated by the television.

1. Press the **MENU** button.
2. Select **Sound** from the menu.
3. Press the **CH▲▼** button and select **MTS**.
4. Press **VOL◀▶** to select the type of sound generated by the television TV.

Stereo	Discrete left and right audio channels heard through both the left and right TV speakers.
Mono	Single channel of sound heard through both the left and right TV speakers.
SAP	Secondary Audio Program – Used for Bi-lingual programs. Note: The viewed program channel must be encoded with a SAP signal for this mode to work.

5. Press the **MENU** button to return to the preceding Menu and the **TV/AV** button to return to normal TV viewing.

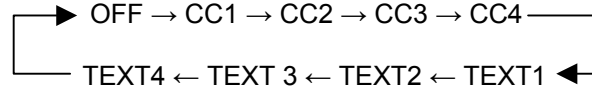
Alternately, the type of sound can be set using the remote control's **ST/SAP** button.

## Closed Captions

Captions is a process that converts the audio portion of a television program into written words which then appear on the television screen in a form similar to subtitles. Closed captions allow viewers to read the dialogue and narration of TV programs.

To activate Closed Captioning:

1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Press the **CH▲▼** buttons to select the **Caption** menu.
4. Each time you press the **VOL◀▶** button, the caption mode is displayed one by one as show below.



5. Press the **TV/AV** button to exit and return to normal TV viewing. Alternately, the captions can be set using the remote control's CC button.

### HINTS

- Closed captions will only appear if the TV program has been encoded with closed captioning information.
- Text modes may display a solid black box in the center of the TV's screen when activated.
- C1 is the most common closed caption setting.

## Special

This menu provides access to special functions.

### INPUT

Input allows selection of Component, Video, or S-Video modes when using externally connected DVD or VCR equipment.

1. Press the **MENU** button.
2. Select the **Special** menu.
3. Press the **CH▲▼** button to select **Input**.
4. Press the **VOL◀▶** button to select TV, Component, Video, S-Video. The TV picture will change to show the appropriate input.

Special	
Input	TV
Auto Sleep	Off
Blue Back	Off
Lock	Off

▲▼: Move      ◀▶: Adjust  
MENU: Return      TV/AV Exit

Alternately you can select the TV, Component, Video, or S-Video mode by pressing the **TV/AV** button.

### AUTO SLEEP

If you select Auto Sleep = On, the set will automatically switch itself Off approximately ten minutes after a TV channel stops broadcasting.

1. Press the **MENU** button.
2. Select the **Special** menu.
3. Press the **CH▲▼** button to select **Auto Sleep**.
4. Press the **VOL◀▶** button to select **On**.
5. Press the **TV/AV** button to return to normal TV viewing.

### BLUE BACK

Channels that are empty without any signal will be expressed as a blue screen rather than a snowy picture.

1. Press the **MENU** button.
2. Select the **Special** menu.
3. Press the **CH▲▼** button to select **Blue Back**.
4. Press the **VOL◀▶** button to select **On**.
5. Press the **TV/AV** button to return to normal TV viewing.

### LOCK

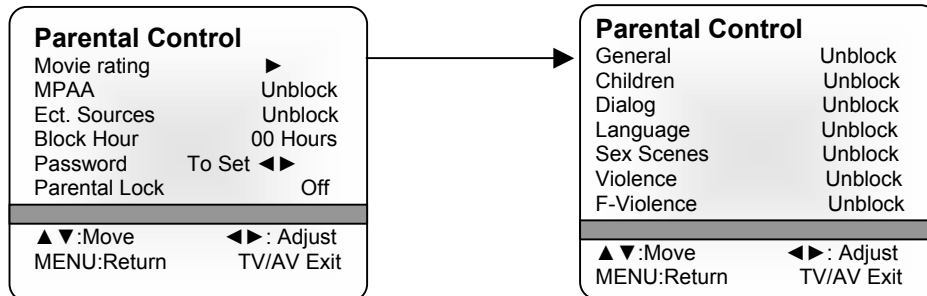
Lock disables the television's MENU and TV/AV buttons and prevents patient and visitors from tampering with the TV. Once a TV is locked, the only way to gain access to the MENU or TV/AV controls is by using the remote control.

1. Press the **MENU** button.
2. Select the **Special** menu.
3. Press the **CH▲▼** button to select **Lock**.
4. Press the **VOL◀▶** button to select **On**.
5. Press the **TV/AV** button to return to normal TV viewing.

## Parental Control

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

1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Select the **Parental Control** Menu.
4. Press the **CH▲▼** button to select.
5. Adjust each item with **VOL◀▶** buttons.



Parental Control	
Selected Item	Setting Change
<b>MPAA</b>	Unblock ↔ G and Above ↔ PG and Above ↔ PG-13 and Above ↔ R and Above ↔ NC-17 and Above ↔ X
<b>Ect.Sources</b>	Unblock ↔ Block
<b>Block Hours</b>	00 ~ 99 hours
<b>Parental Lock</b>	On ↔ Off
Movie Rating	
<b>General</b>	Unblocked ↔ TV-G and Above ↔ TV-PG and Above ↔ TV-14 and Above ↔ TV-MA
<b>Children</b>	Unblock ↔ TV-Y and Above ↔ TV-7
<b>Dialog</b>	Unblock ↔ TV-Y and Above ↔ TV-14
<b>Language</b>	Unblock ↔ TV-PG and Above ↔ TV-14 and Above ↔ TV-MA
<b>Sex Scenes</b>	Unblock ↔ TV-PG and Above ↔ TV-14 and Above ↔ TV-MA
<b>Violence</b>	Unblock ↔ TV-PG and Above ↔ TV-14 and Above ↔ TV-MA
<b>F-Violence</b>	Unblock ↔ TV-Y7

6. As shown above, with the Parental Control menu on-screen, use **VOL◀▶** and **CH▲▼** buttons to select and adjust or set the rating for the Age Block or Content Block. For Sex Scenes for example, use the "From TV-PG" setting. (See the Mini Glossary, Ratings Charts on this and the next page for rating definitions).
7. After you have selected and adjusted the Parental Control menu options to your preferences:
  - Set the hours you want Parental Control Active.
  - Set a 4 number password.
  - Set the Lock On/Off option to either on or off.

### Hints for Setting Parental Control

- Determine which rating you consider acceptable to the viewer. For example, if you choose TV-PG, all the more restrictive ratings will be automatically blocked; the viewer will not be able to see TV-PG, TV-14, or TV-MA rated programming.
- Do you want to block the auxiliary video source entirely? When Aux is set to Block the signal sent by equipment such as a VCR or DVD connected to the A/V IN input jacks would not be available.
- How many hours do you want Parental Control to be active? You can set the hours option for up to 99 hours.
- Select a secret password in the Set Password option. Use the number keys on the remote. Don't forget the password, it is the only way you can access the parental control menu and change rating selections, or turn Parental Control off.
- Do you want Parental Control to be active all the time? If not, you can turn it on or off with the Lock On/Off option.
- You can set different Parental Control viewing restrictions for general audiences and for children, both can be active at the same time.
- Simply specifying one content block such as Sex Scenes will not automatically block another content in the programs from appearing.
- Even if you choose to leave the Aux inputs unblocked, the ratings you specify will automatically restrict the program that appears from the video sources.
- You cannot disable Parental Control by disconnecting the TV from power. Block hours will automatically reset to the original block time setting specified if power is disconnected.

## GLOSSARY AND RATINGS

### MOTION PICTURE ASSOCIATION OF USA (MPAA) RATING SYSTEM

Grade	Meaning	
<b>G</b>	General Audiences	Content not offensive to most viewers.
<b>PG</b>	Parental Guidance Suggested	Content is such that parents may not want their children to view the program.
<b>PG-13</b>	Parental Guidance Suggested	Program is inappropriate for preteens, with a greater degree of offensive material suggested than a PG rated program.
<b>R</b>	Restricted Viewing	Not for children under age 17. Strong elements of sex and/or violence.
<b>NC-17</b>	Restricted Viewing	Not for children under age 17 under any circumstances. Strong sexual content.
<b>X</b>	Hard Core Films	Same as NC-17 rating.

### TV PARENTAL GUIDELINE RATING SYSTEM

Grade	Meaning	
<b>TV-G</b>	General Audience	Considered suitable for all audiences: children may watch unattended.
<b>TV-PG</b>	Parental Guidance	Suggested Unsuitable for younger children, may contain: Suggestive Dialog, Bad Language, Sex, and Violence Scenes
<b>TV-14</b>	Parents Strongly Cautioned	Unsuitable for children under 14, may contain: strong Dialog, Bad Language, Sex, and Violence Scenes.
<b>TV-17</b>	Parents Strongly Cautioned	Unsuitable for children under 17, may contain: strong Dialog, Bad Language, Sex, and Violence Scenes.
<b>TV-MA</b>	Mature Audience Only	Adults only, may contain: Strong Dialog, Bad Language, Sex, and Violence Scenes.

### MOTION PICTURE ASSOCIATION OF USA (MPAA) RATING SYSTEM

Grade	Meaning	
<b>TV-Y</b>	Children	Considered suitable for all children under 7 years old.
<b>TV-Y7</b>	Children 7 and over	Considered suitable for children over 7, may contain Fantasy Violence Scenes.

## Product Specifications

Model	PDI-P20LCD	
<b>Size</b>	Horizontal	23 Inches
	Height	17 3/4" Inches
<b>Power Requirements</b>	DC 15V at 4.5A maximum	
<b>Television System</b>	NTSC	
<b>Channels</b>	VHF (2 ~ 13), UHF (14 ~ 69), CABLE (01 ~ 125)	
<b>Display Panel</b>	20.1 Inches, TFT-LCD	
<b>Power Consumption</b>	70 Watts	
<b>Antenna Impedance</b>	75 Ohms Unbalanced	
<b>Audio Output</b>	3 Watts per Channel	
<b>External Inputs</b>	DC 15V, S-Video In, Headphone Jack, Component In, AV In, Antenna In	
<b>AC Power Adaptor</b>	AC IN: 115 V, 50/60Hz	Output: 15VDC at 4.5A

## Troubleshooting

Problem	Check Item
No Picture on screen and no sound from speakers	<ul style="list-style-type: none"> <li>• Insert the AC power cord plug securely in AC power outlet.</li> <li>• Make sure the TV is not turned off. The front power button will illuminate RED if the TV is off.</li> <li>• Turn on the power button. The front power button will illuminate GREEN if the TV is ON.</li> </ul>
No picture and No picture from external source (VCR, DVD)	<ul style="list-style-type: none"> <li>• Check the brightness setting of the TV.</li> <li>• TV Lamp may have malfunctioned.</li> <li>• Select the External source using the TV/AV button on the TV.</li> <li>• Make sure the external source is connected correctly and is playing.</li> <li>• Verify external source is not being blocked by a Parental Control setting.</li> </ul>
Picture OK, but no sound from TV speakers	<ul style="list-style-type: none"> <li>• Check the sound setting.</li> <li>• Verify the sound is not muted.</li> <li>• Verify that a pair of headphones is not connected.</li> <li>• Verify the TV SPK switch is turned on.</li> <li>• If an external source is connected, verify that it is connected correctly.</li> </ul>
Picture OK, but no sound from the pillow speaker	<ul style="list-style-type: none"> <li>• Verify that the pillow speaker is plugged in.</li> <li>• Set the pillow speaker thumbwheel volume control to maximum.</li> <li>• Adjust the VOL▶ button on the TV to increase the volume.</li> </ul>
Picture is too light	<ul style="list-style-type: none"> <li>• Check and adjust the COLOR and CONTRAST settings.</li> </ul>
Picture is too dark	<ul style="list-style-type: none"> <li>• Verify BRIGHTNESS setting is not too low.</li> <li>• TV lamp may have failed.</li> </ul>
Remote control does not work	<ul style="list-style-type: none"> <li>• Change the batteries.</li> <li>• Make sure the TV's infrared window is not receiving strong light from fluorescent lamps.</li> </ul>
The picture is spotted	<ul style="list-style-type: none"> <li>• There may be interference from hospital equipment. Try connecting the AC plug into a different wall socket.</li> </ul>
Pillow Speaker does not control the TV	<ul style="list-style-type: none"> <li>• Verify the pillow speaker is plugged in. Usually the pillow speaker will have sound if it is plugged in.</li> <li>• Connect the pillow speaker directly to the TV and verify that the across-room or bedside wiring is not faulted.</li> <li>• Try another pillow speaker.</li> </ul>

## **MODEL PDI-P20LCD TV Limited Warranty**

PDI Communication Systems Inc., ("PDI") warrants, to the original purchaser only, that the PDI-P20LCD will be free from defects in materials and workmanship, under normal use, for 2 years (730 days) 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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