Installation and Operating Instructions

PDI-P23LCDE with DVD

Better Solutions Are Within Reach®

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WARNINGS

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.

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NOTE TO CABLE TV INSTALLER

This reminder is provided to call the 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.

SAFETY INSTRUCTIONS

INSTRUCTIONS

Be sure to read, follow, and keep these instructions. Heed all the warnings.

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.

MAINTENANCE AND SERVICING

Servicing is required when the TV has been damaged in any way, such as the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the TV, the TV has been exposed to rain or moisture, does not operate normally, or has been dropped.

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.

OVERHEAD FALLING HAZARD

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

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.

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. Spot test a new disinfectant by applying a test cleaning a non-obvious small spot on the TV's back cabinet, keypad, and LCD panel. Allow the disinfectant to soak per its instructions and then wipe clean. Do not use the disinfectant if the TV's surfaces show any sign of discoloration or softening.

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.

CONDENSATION

Moisture may condense on the lens if placed in a steamy or very humid room or if moved from a cold environment to a warm one. If moisture appears inside this unit, it may not operate normally. In this case, unplug the power cord and wait for about 1 hour to let it dry.

OTHER EQUIPMENT

Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the TV. Use caution when moving the cart.

WARNING: To reduce the chance of fire or electric shock, only utilize the accessories recommended by the manufacturer.

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 polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience 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.

FCC, COPYRIGHT, DISCLAIMER AND TRADEMARKS

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 or more of the following measures:

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

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Disclaimer

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Trademarks

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All other brand names and product names used in this manual are trademarks, registered trademarks, or trade names of their respective holder. PDI and Better Solutions Are Within Reach are registered trademarks of PDI Communication Systems, Inc., Springboro, Ohio.

Location Guidelines

The model PDI-P23LCDE Hospital Grade LCD TV is a specialized LCD TV. 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-P23LCDE 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-P23LCDE TV mounts to the wall typically 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.

OSHPD (State of California Only)

The combined weight of the PDI-P23LCDE TV and PDI wall mount is 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-P23LCDE TV in the state of California.

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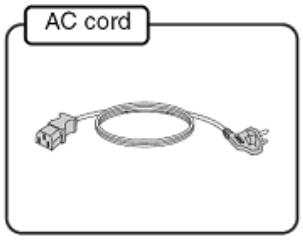
Product Accessories

(Included with TV)



(Not Included with TV)

100mm VESA Wall Mount	PD168-103	¼" to 6-Pin Jumper Cable	PD106-416
Programming Remote Control	PD108-420	¼" to ¼" Jumper Cable	PD106-417
Patient Remote Control	PD108-421	TV Stand	PD133-645
DVD Module	PD251-002	Wireless Audio Module	PD128-1451
Table Radio	PDI-TR100		

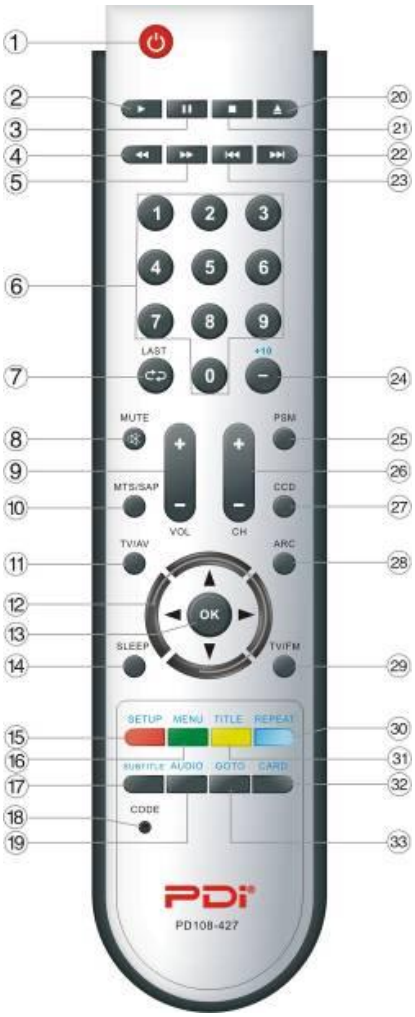
Programming Remote Control—PD108-420

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 TVs. Please order programming remote control part number PD108-420.

1. **POWER button**
   Turns the TV on or off.
2. **MUTE button**
   Turns the sound on or off.
3. **SETUP button**
   Access programming menus.
4. **TV/AV button**
   Selects enabled external inputs or TV.
5. **CH LIST button**
   Display list of channels programmed into TV.
6. **TV/FM button**
   Switch between TV and FM Radio sources.
7. **SLEEP button**
   Sets the sleep timer.
8. **LAST button**
   Return to previously viewed channel.
9. **VOL ◄► buttons**
   Raises or lowers volume. Also used to navigate programming menus.
10. **OK button**
    Confirms the current channel selection.
11. **CH ▲▼ buttons**
    Selects next channel. Also used to navigate programming menus.
12. **ARC button**
    Changes the aspect ratio. Repeatedly press the ARC button to select your desired picture format. (See pages 32 for instructions and information on adjusting picture up or down.)
13. **CC button**
    Cycles through Closed caption choices.
14. **PSM button**
    Adjust sound setting for content type: User, Standard, Dynamic, Mild, or Game.
15. **SAP button**
    Adjust audio mode: MTS-Stereo, Mono, or SAP
16. **SSM button**
    Adjust sound setting for content type: User, Flat, Speech, Movie, or Music.
17. **Number buttons**
    Use to directly enter channels. 0-9
18. **DASH button**
    Use to enter second part of a digital channel.
19. **Teletext buttons**
    Navigates Teletext displays. Teletext is not actively used in the USA.

Patient Remote Control - PD108-427 (Included with DVD Module)

The patient remote, PD108-427, is used for controlling the TV and the compatible DVD and IPTV Modules.



1. **POWER button**
   Turns the TV on or off.
2. **►PLAY button**
   Starts to play the disc in DVD mode.
3. **⏸PAUSE button**
   Pause the playback or start step by step playback in DVD mode.
4. **⏪ button**
   Activates fast backward playback during disc playback in DVD mode.
5. **⏩ button**
   Activates fast forward playback during disc playback in DVD mode.
6. **Number buttons**
   Use to directly enter channels. 0-9.
7. **LAST button**
   Returns to the previously viewed channel.
8. **MUTE button**
   Turns the sound on or off.
9. **VOL +/- button**
   Adjusts the sound level or adjusts menu settings.
10. **MTS/SAP button**
    Adjust the audio mode for **SAP**, **Mono**, or **Stereo**.
11. **TV/AV button**
    Selects enabled external inputs.
12. **Direction buttons (▲▼◄►)**
    Selects a menu item or adjusts menu settings.
13. **OK button**
    Confirms the current selection.
14. **SLEEP button**
    Sets the sleep timer.
15. **SETUP button**
    Displays the DVD's feature setup menu.
16. **MENU button**
    Displays the disc menu in DVD mode.
17. **SUBTITLE button**
    Selects a desired subtitle language if the disc contains multi-subtitle languages during disc playback in DVD mode.
18. **CODE button**
    The remote offers independent Bed A or Bed B selectable codes and independent control of a single TV in a two TV room.
    Insert a paperclip in this hole to set to Bed A or Bed B.
19. **AUDIO button**
    Selects a desired audio language, if the disc contains multi-audio languages during disc playback in DVD mode.
20. **EJECT button**
    Ejects the disc in DVD mode.
21. **■ STOP button**
    Stops the disc playback.
22. **⏭ button**
    Press to go to the next chapter/track during disc playback.
23. **⏮ button**
    During disc playback, press once to go to the beginning of current chapter/track; press twice to go to the previous chapter/track.
24. **+10 button**
    In TV mode, press to select DTV (Digital TV) channels.
    For example, to select channel '54-3', press '54', then press this button and '3'. In DVD mode, press to select numbers greater than 9.
25. **PSM button**
    Recalls your preferred picture setting.
26. **CH +/- button**
    Selects next channel or a menu item.
27. **CC button**
    Sets the caption function.
28. **ARC button**
    Changes the aspect ratio.
    Repeatedly press the ARC button to select your desired picture format.
29. **TV/FM button**
    Selects either TV or FM mode.
30. **REPEAT button**
    Press to repeat a chapter or title in DVD mode.
31. **TITLE button**
    Press to enter or exit the title menu of the disc during disc playback in DVD mode.
32. **CARD button**
    In DVD mode, press to shift among disc, USB and CARD playback mode when an external USB device or card is connected.
33. **GOTO button**
    Press to access or exit the DVD search menu.

DVD Module – PD251-002

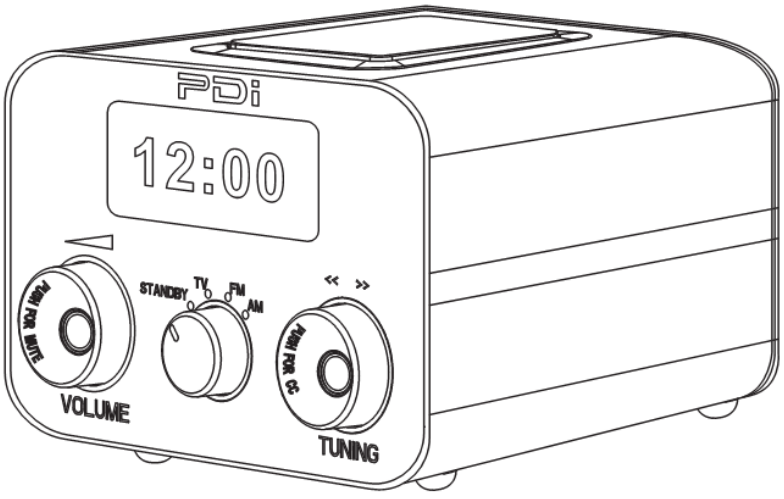
See DVD Module Installation and Operating Instructions starting on page 41.

Wireless Audio Module Board – PD128-1451

For installation instructions, see page 44

Table Radio – PDI-TR100

For pairing instructions, refer to Document No. PD196-191 (supplied with Table Radio). The PDI-P23LCDE TV **must** be upgraded with the Wireless Connection Module (PD128-1451) prior to operating the PDI-TR100 Table Radio. See instructions for this upgrade and enabling the Wireless Audio starting on page 44.



Wall Mounting

NOTE: *Across-Room Wiring may need to be completed before mounting TV. (See Across-Room Wiring diagram on page 11.)*

1. Refer to Figure 1. Select a location on the wall approximately 7 ½ inches 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).*

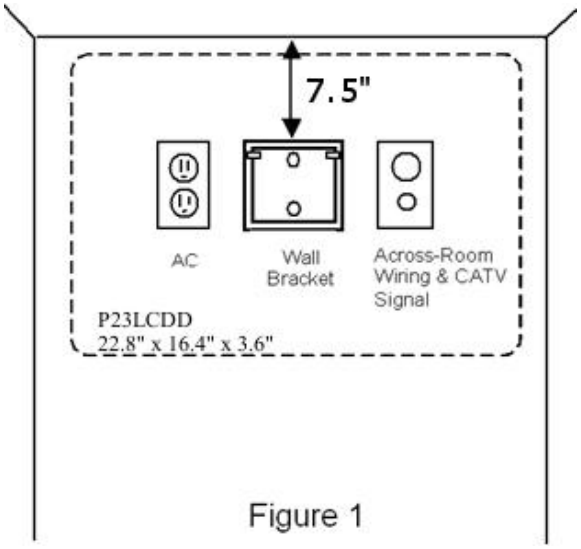
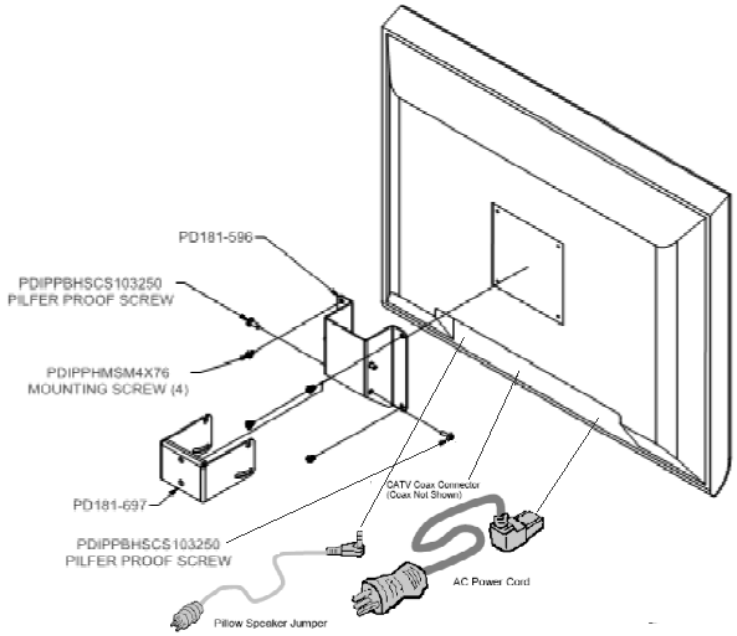


Figure 1

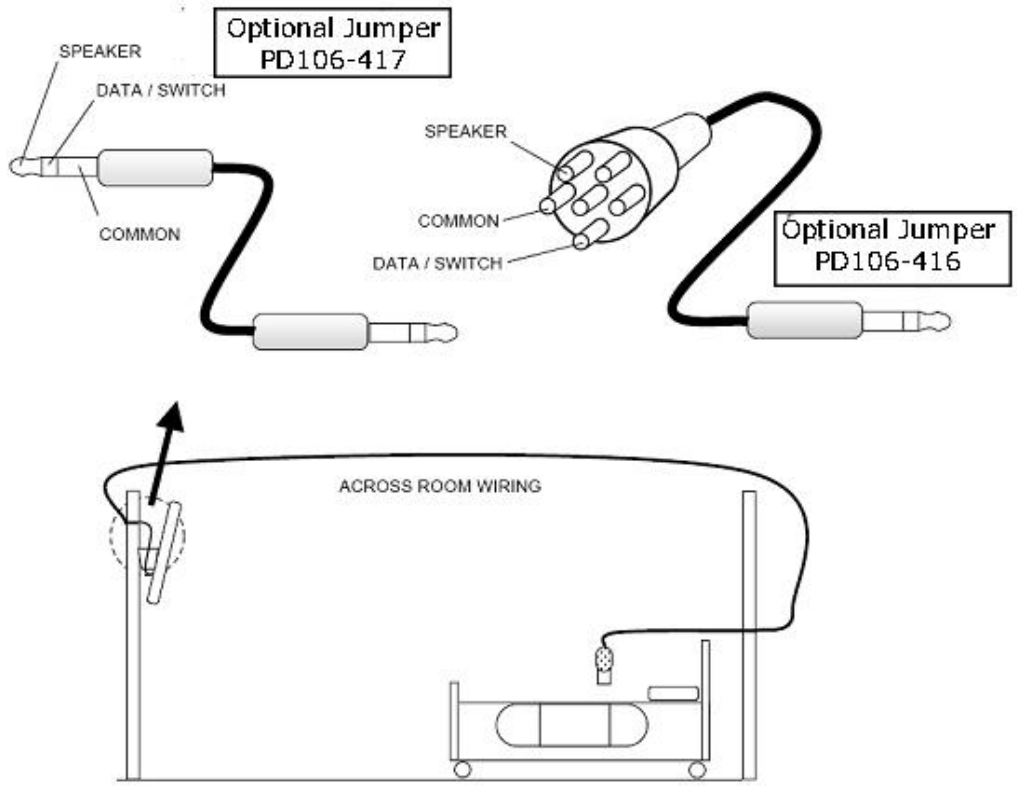
2. Refer to Figure 2. Position the Back Mount on the LCD TV cabinet. Attach with the four M4 screws that are provided.
3. Mate the Back Mount to the Wall Bracket making sure the pivot pins are retained in the "U" shaped slot. Using the pilfer security driver packed with the hardware, secure with two 10x32 pilfer screws.
4. Connect the AC power cord, Pillow Speaker Jumper Cable, and CATV Coax Cable. (See Pillow Speaker section on page 13 before connecting Jumper Cable)
5. The TV's tilt can be adjusted by loosening both Pilfer Screws, adjusting tilt, and then tightening the screws.

Figure 2

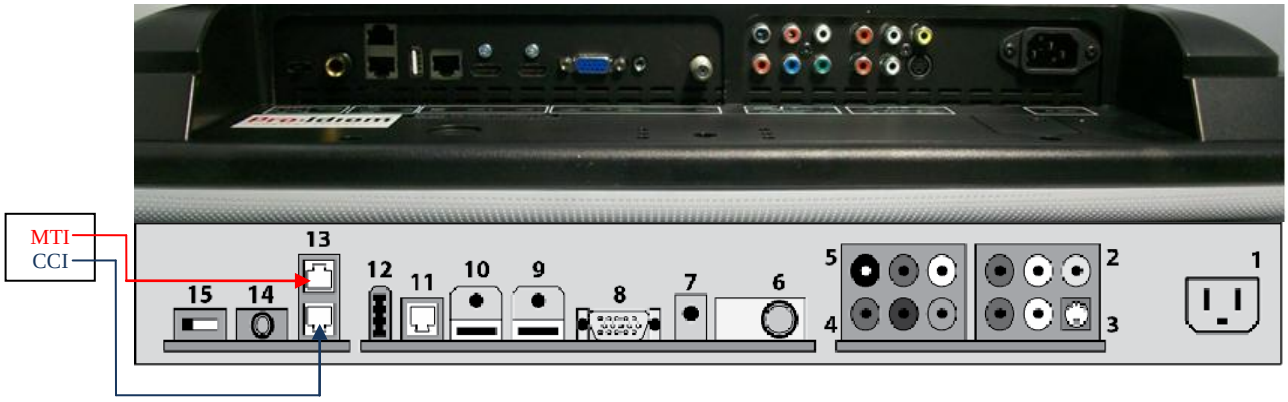


Across-Room Wiring

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 Speakers section on page 13 for details.



Connections



1 AC INPUT
AC power cord connection.

2 A/V IN
Composite Audio/Video inputs.
NOTE: *Connections are color-coded.*

3 S-VIDEO IN
If the external equipment you are connecting has an S-VIDEO jack, you can use an S-VIDEO cable for improved picture quality.
NOTE: *Audio connections are color-coded.*

4 COMPONENT IN
The TV supports connection of devices that generated Component video, such as a DVD or game box.
NOTE: *Some device's Y/Pb/Pr connections might be labeled as Y/Cb/Cr or Y/B-Y/R-Y. Connections are color-coded.*

5 SPDIF
Provides a digital audio output signal for connecting to an external digital audio device.

6 ANT
Connection to Cable TV Coax.
NOTE: *See page 13.*

7 PC AUDIO IN
Computer audio input connection.

8 PC ANALOG IN (D-SUB)
Connection to the video output jack on your PC.

9 HDMI1
Connection for HDMI devices.

10 HDMI2
Connection for HDMI devices.

11 SVC
Service port for external maintenance connection.
NOTE: This is NOT an Ethernet Port.

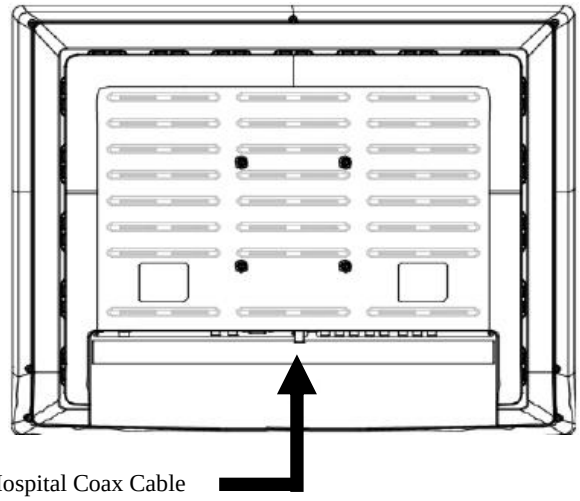
12 USB
Connection for USB devices that provide Cloning and Firmware updates. (See cloning instructions and firmware updating starting on page 35.)
NOTE: This is NOT an Ethernet Port.

13 MTI and CCI COMM
Communication ports for external control devices.
NOTE: This is NOT an Ethernet Port.

14 PILLOW
Pillow Speaker port.

15 CZ, CP, OFF, CR
Pillow Speaker Selector Switch.

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.

Pillow Speakers

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.

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 CZ, CP, or CR.

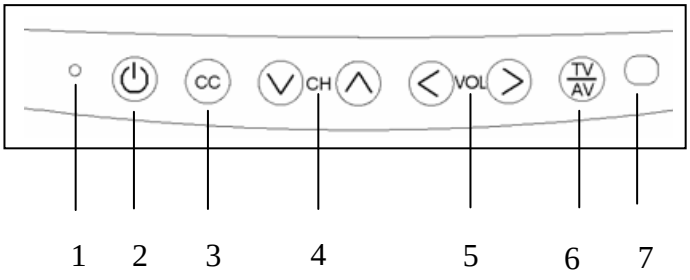
⚠	**CAUTION:** Confirm the pillow speaker type and set the side switch appropriately BEFORE connecting the pillow speaker to the TV. Failure to follow this procedure could result in damage to the pillow speaker or cause improper operation of the TV.

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

2. Connect the pillow speaker to the PILLOW jack.
3. Operate the pillow speaker and verify correct control.

Buttons on TV

There are buttons on the front of the P23 that allow basic operation of the TV.



1 Power Indicator
Illuminates in red when the TV is off.
Illuminates in green when the TV is switched on.
2 Power ON/OFF
Switches TV set on or off.
3 CC
Sets the closed caption function.
4 ▼ CH ▲ (Channel Down/Up)
Selects the previous/next channel. Used to navigate menus.
5 ◄ VOL ► (Volume Decrease/Increase)
Adjusts the volume. Used to navigate menus.
6 TV/AV
Selects the mode to watch TV or use a connected component.
7 Remote Control Sensor
Accepts the IR signal from the remote control.

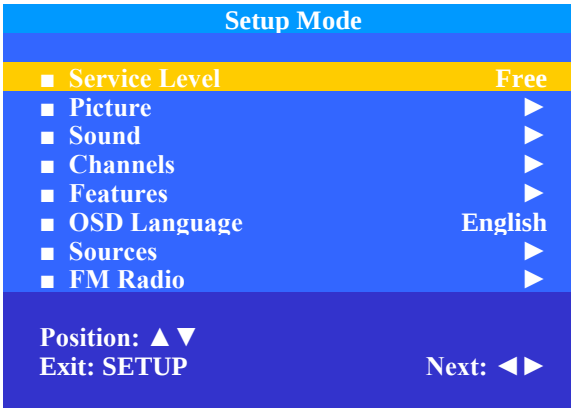
Programming

The PDI-P23LCDE TV is programmed by a series of menus that can be accessed with a programming remote, part number PD108-420. Access the menus by pressing SETUP on the remote. These menus allow you to add TV channels, adjust the picture and sound, setup external components, and change settings.

The SETUP MODE menu is the first menu that appears. All the other menus and all the settings can be accessed through it. This manual explains and shows how to setup the different features of the PDI-P23LCDE TV.

Service Levels

The P23 contains four separate Service Levels, allowing the hospital to offer either basic or enhanced viewing. The current Service Level can quickly be determined by accessing the SETUP menu using the remote control. The Service Level can be changed to any of the 4 levels at any time.



DISABLED – This is like a mechanical key lock – when in *Disabled* Service Level, the TV can be turned off and on, but it cannot be used for viewing. A standard message appears on a black screen.

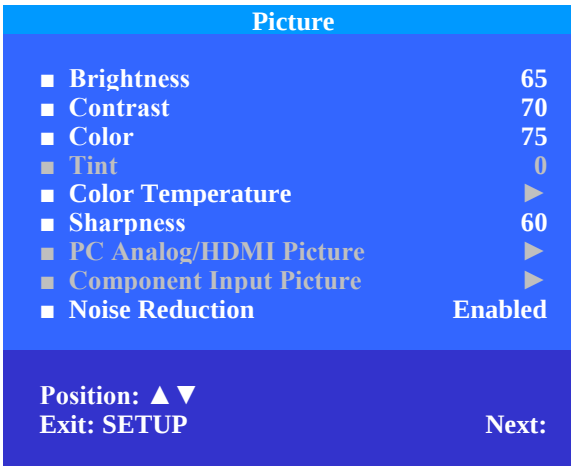
FREE – This lets patients watch hospital education and information channels without renting the TV. The channels containing programming for no charge are typically programmed into this level of service. This is the factory default setting for Service Level.

BASIC – This service level typically allows additional channels beyond those offered in the FREE level.

PREMIUM – This is the highest service level with typically the most channels available for viewing.

Picture

This menu allows you to make changes to settings that will change the picture's appearance.



1. Press the SETUP button on the remote control.
2. Press ▲ or ▼ to highlight Picture.
3. Press ► to enter the Picture sub-menu.

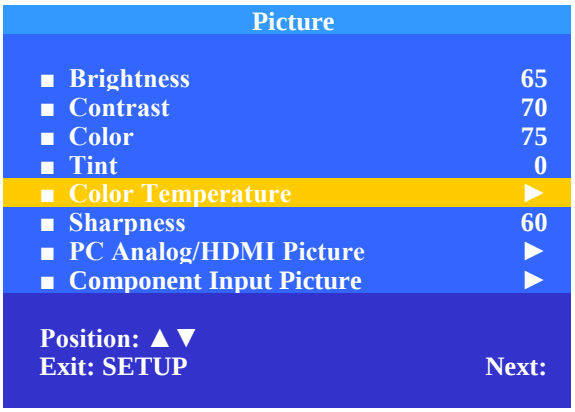
Brightness, Contrast, Color, Tint, and Sharpness

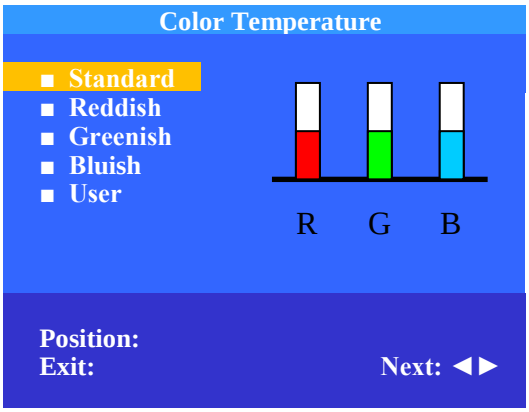
These settings have a range of 1-100. To change one of them, change the number by following this process.

1. Enter the Picture menu
2. Press ▲ or ▼ to highlight the setting you want to change.
3. Press ◄ or ► to set the desired number.
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Color Temperature

Color Temperature adjusts the color balance of the picture. Standard, Reddish, Greenish, and Bluish are preset adjustments. You can customize the color temperature with the User setting.



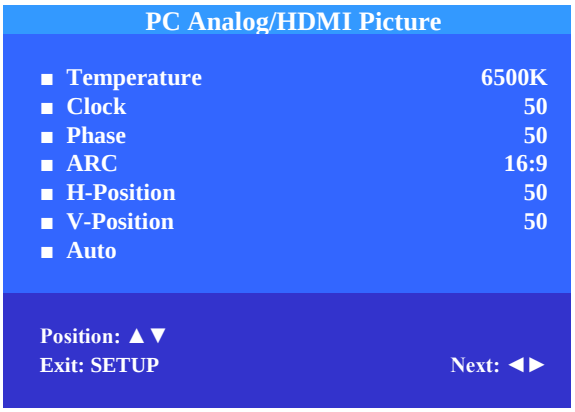


1. Enter the Picture menu
2. Press ▲ or ▼ to highlight Color Temperature.
3. Access the menu by pressing ►.
4. Press ▲ or ▼ to highlight and select one of the five settings.

5. For User, press ◄ and ► to select R, G, or B or to get out of the customized adjustments.
6. Press ▲ or ▼ to adjust R,G, or B
   NOTE: *When you select one of the three colors to adjust, the other two turn gray.*
7. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

PC Analog/HDMI Picture

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

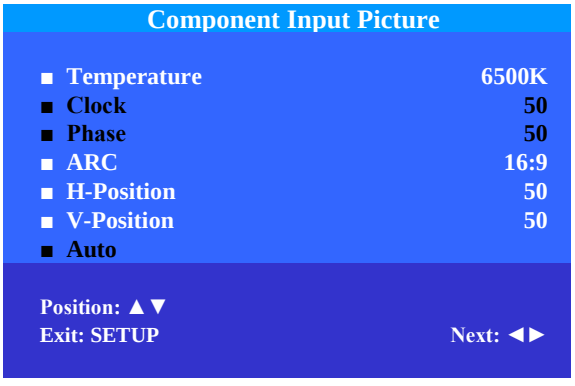


Temperature: Temperature is a measure of the warmth of an image. The two temperatures available are 6500K and 9300K.
Clock: Clock adjustment is used to minimize any vertical bars or stripes visible on the screen's background. Adjustment of the clock setting also changes the horizontal screen size.
Phase: The phase adjustment removes any horizontal noise and is helpful in sharpening text characters.
ARC (Aspect Ratio Control): Select the ratio of the screen size (Horizontal: Vertical): 4:3, 14:9, 16:9, 16:9 or Panorama.
H-Position (Horizontal Position): The H-Position moves the picture left or right on the screen.
V-Position (Vertical Position): The V-Position moves the picture up or down on the screen.
AUTO: Automatic adjustment of screen position, clock and phase.

1. Enter the Picture menu
2. Press ▲ or ▼ to highlight PC Analog/HDMI Picture.
3. Access the menu by pressing ►.
4. Press ▲ or ▼ to highlight and select one of the settings.
5. Press ◄ and ► to adjust the setting. (See description of settings above)
6. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Component Input Picture

When the TV's source is set to Component additional picture adjustments are available.

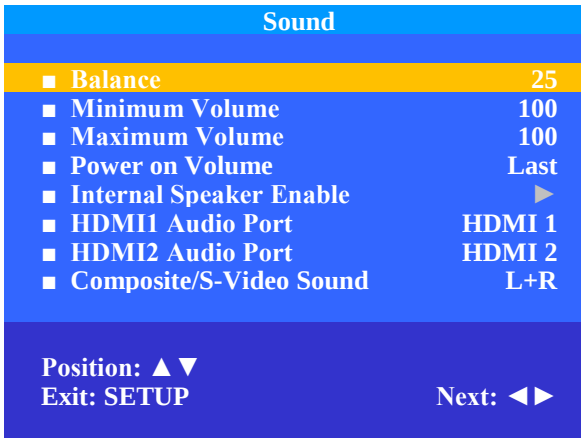


Temperature: Temperature is a measure of the warmth of an image. Two temperatures available are 6500K and 9300K.
ARC (Aspect Ratio Control): Select the ratio of the screen size (Horizontal: Vertical): 4:3, 14:9, 16:9, 16:9 or Panorama.
H-Position (Horizontal Position): The H-Position moves the picture left or right across the screen.
V-Position (Vertical Position): The V-Position moves the picture up or down on the screen.

1. Enter the Picture menu
2. Press ▲ or ▼ to highlight Component Input Picture.
3. Access the menu by pressing ►.
4. Press ▲ or ▼ to highlight and select one of the settings.
5. Press ◄ and ► to adjust the setting. (See description of settings above)
6. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Sound

The sound menu allows precise adjustment of several sound parameters.



1. Press the SETUP button on the remote control.
2. Press ▲ or ▼ on to highlight Sound.
3. Press ► to enter the Sound sub-menu.

Balance

This controls how the sound is distributed between the left and right speakers.

1. Enter the Sound menu.
2. If Balance is not highlighted, press ▲ or ▼ to highlight it.
3. Press ◄ or ► to select the desired number (0-100).
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

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.

1. Enter the Sound menu.
2. Press ▲ or ▼ to highlight Minimum Volume.
3. Press ◄ or ► to select the desired number (0-100).
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Maximum Volume

Sets the maximum volume level the TV is allowed to reach.

1. Enter the Sound menu
2. Press ▲ or ▼ to highlight Maximum Volume.
3. Press ◄ or ► to select the desired number (0-100).
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Power On Volume

Sets the initial volume for when the TV is turned on.

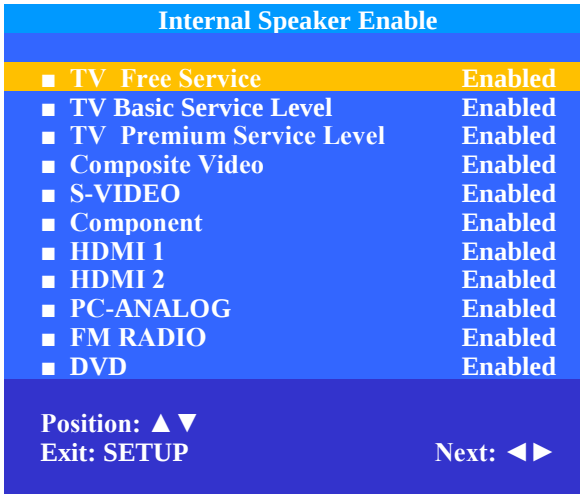
NOTE: *If Power on Volume is set to Last and the physical power was removed, the TV will power on with a volume of 0.*

1. Enter the Sound menu
2. Press ▲ or ▼ to highlight Power On Volume.
3. Press ◄ or ► to select the desired number (0-100) or Last.
   NOTE: *Power On Level can only be set between Minimum Volume setting and Maximum Volume setting. Last will cause the TV to be at the last volume setting before it was turned off.*
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Internal Speaker Enabled

This allows audio for different sources to be enabled. Sound is also routed externally to the attached pillow speaker.

NOTE: *This only affects the internal speakers. The pillow speaker will always have sound.*



1. Enter the Sound menu
2. Press ▲ or ▼ to highlight the component you want to change.
3. Press ◄ or ► to select Enabled or Disabled.
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

HDMI 1 and 2 Audio Port

Sound can be routed to several other sources when the TV is set to HDMI video. The HDMI Audio Port has three settings: HDMI 1 or 2, PC, and Component.

NOTE: *HDMI 1 Audio Port has the settings HDMI 1 and Component. HDMI 2 Audio Port has the settings HDMI 2 and Component.*

1. Enter the Sound menu
2. Press ▲ or ▼ to highlight HDMI 1 or 2 Audio Port.
3. Press ◄ or ► to select HDMI 1or 2, PC, or Component.
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

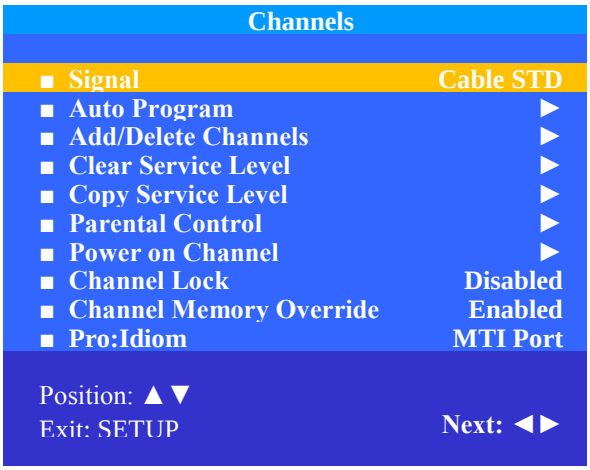
Composite/S-Video Sound Mode

Sound can be completely transferred to the left or right speakers. It can also be balanced with the L+R setting.

1. Enter the Sound menu
2. Press ▲ or ▼ to highlight Composite/S-Video Sound Mode.
3. Press ◄ or ► to select L+R, L+L, or R+R.
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Channels

The Channels menu allows you to program different signal sources into three Service Levels (Free, Basic, and Premium) and to add or delete individual channels. It also allows you to block channels, TV programs, movies, and auxiliary sources that can be input to the TV. Each Service Level contains a different channel map.



1. Press the SETUP button on the remote control.
2. Press ▲ or ▼ to highlight Channels.
3. Press ► to enter the Channels sub-menu.

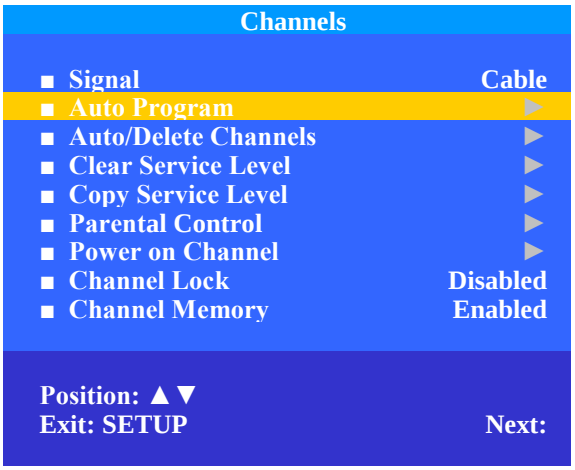
Signal

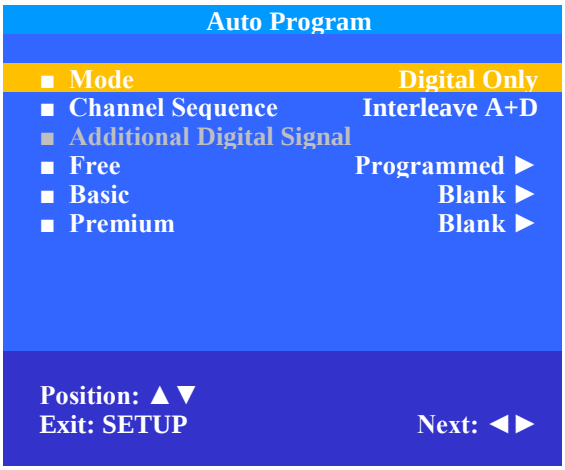
Four different tuning types are available depending upon the healthcare facility's signal type. Selection of the correct signal type is required for the TV to recognize all possible channels and before any channel programming can begin.

1. Enter the Channels menu
2. Press ▲ or ▼ to highlight Signal.
3. Press ◄ or ► 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 store channels in the TV's memory.

Auto Program

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



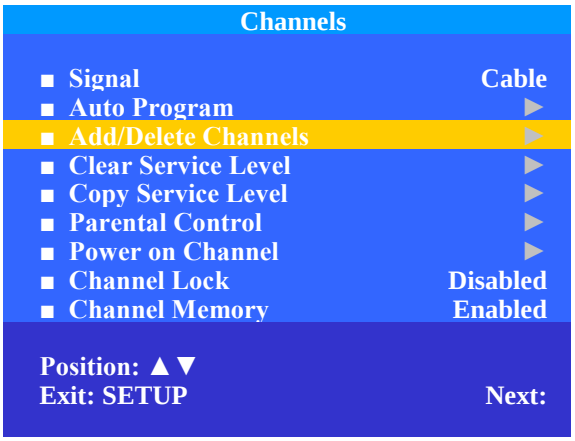


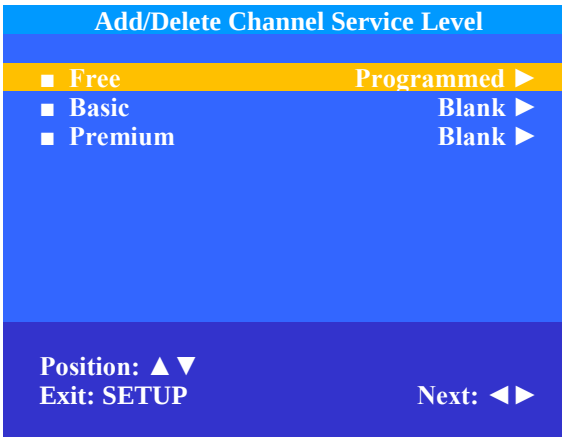
1. After setting Signal, press ▲ or ▼ to highlight Auto Program.
2. Press ► to select it.

3. On Mode, press ◄ or ► to select the scope of channel scanning.
   - Analog Only: TV searches for analog channels only.
   - Digital Only: TV searches for digital channels only.
   - Analog and Digital: TV searches for both analog and digital channels.
4. Press ▲ or ▼ to highlight Channel Sequence.
5. Press ◄ or ► to select the channel sequence in which the channels are displayed.
   - Interleave A+D: Channels are displayed in the order of channel number.
   - All A then D: All digital channels are displayed after all analog channels.
6. If you want to allow the TV to program additional digital channels, Press ▲ or ▼ to highlight Add. Digital Signal. Press ◄ or ► to select Air.
   NOTE: *This feature is only available if Mode is set to Digital Only or Analog and Digital.*
7. Press ▲ or ▼ to highlight the Service Level (Free, Basic, or Premium) 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 reprogrammed if desired.*
8. Press ► to start auto programming.
9. A confirmation menu will appear before proceeding. Press ▲ to start auto programming. Press ▼ to cancel the operation. The TV now will search all available channels. Auto programming requires several minutes to complete.
   NOTE: *Digital channel auto programming may take longer than 10 minutes to complete.*
10. Press the SETUP button to return to normal TV viewing.

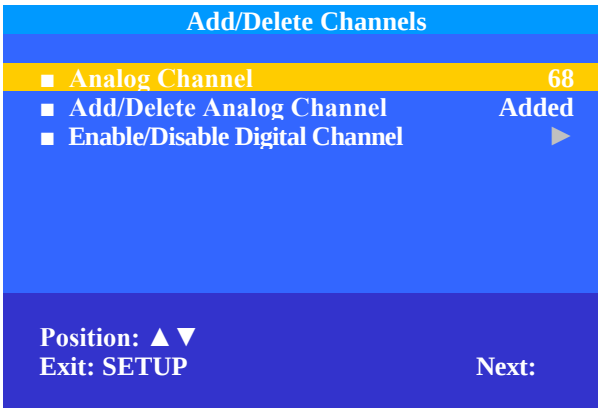
Add/Delete Channels

Individual analog TV channels that are missing can be manually added to a Service Level (Free, Basic, or Premium). Analog channels that require deletion can be manually removed from a Service Level. Digital channels found during auto programming can be enabled or disabled in each Service Level.



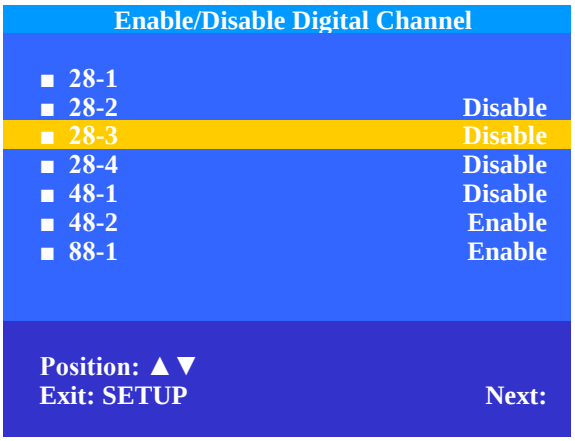


1. Enter the Channels menu
2. Press ▲ or ▼ to highlight Add/Delete Channels.
3. Press ► to select it.
4. Press ▲ or ▼ to highlight the Service Level (Free, Basic, or Premium).
5. Press ► to select the highlighted Service Level.
6. If you want to add or delete an analog channel, press ◄ or ► to select the desired analog channel. If you want to enable or disable digital channels, go to step 10.



7. After you have selected the desired analog channel, press ▲ or ▼ to highlight Add/Delete Analog Channel.
8. Press ◄ or ► to select Added or Deleted.
9. If you are done, press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear. If there are more analog channels to be added or deleted, repeat steps 6 through 8. For enabling or disabling digital channels, go to the next step.
10. Press ▲ or ▼ to highlight Enable/Disable Digital Channel.

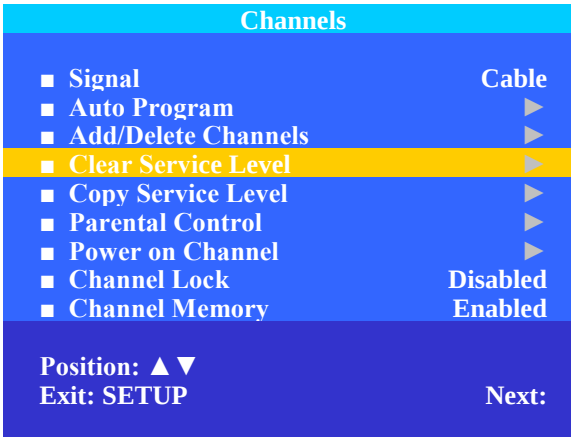
11. Press ► to select Enable/Disable Digital Channel.
    NOTE: *If there are not any channels programmed in the Service Level, "No Channels Present" will appear in the menu.*
12. Press ▲ or ▼ to highlight the digital channel that needs to be enabled or disabled.

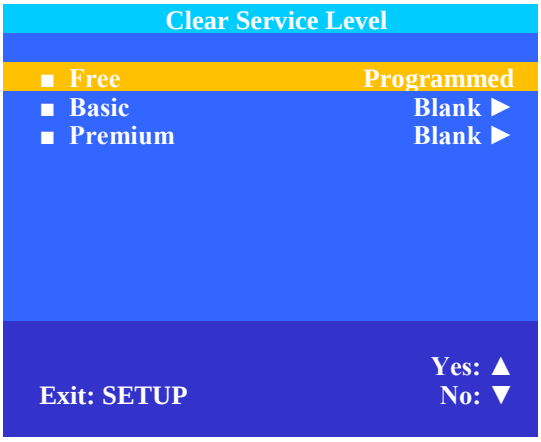


13. Press ◄ or ► to select Enable or Disable.
14. Press the SETUP button to return to the previous menu.

Clear Service Level

This empties a service level of all its programmed channels, leaving it blank.

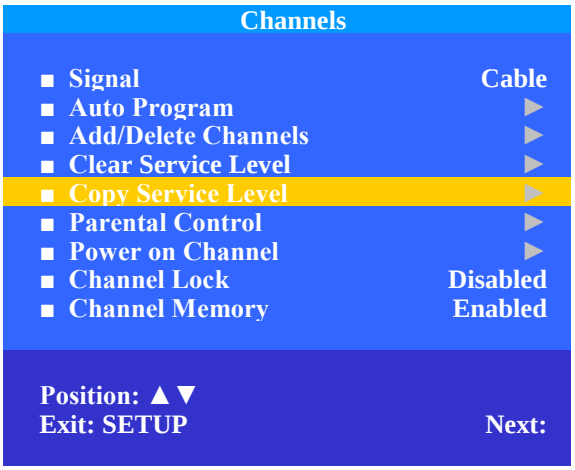


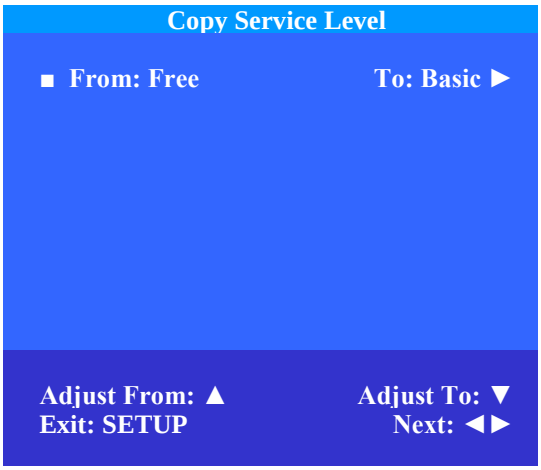


1. Enter the Channels menu
2. Press ▲ or ▼ to highlight Clear Service Level.
3. Press ► to select it.
4. Press ▲ or ▼ to highlight the Service Level (Free, Basic, or Premium).
5. Press ► to select the highlighted Service Level.
6. A confirmation page will appear. Press ▲ to proceed. Press ▼ or SETUP to return to the previous menu.
   NOTE: *After a Service Level is cleared, the TV returns to the Clear Service Level menu. "Blank" will appear to the right of the Service Level.*
7. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Copy Service Level

This copies one Service Level's channels to another.

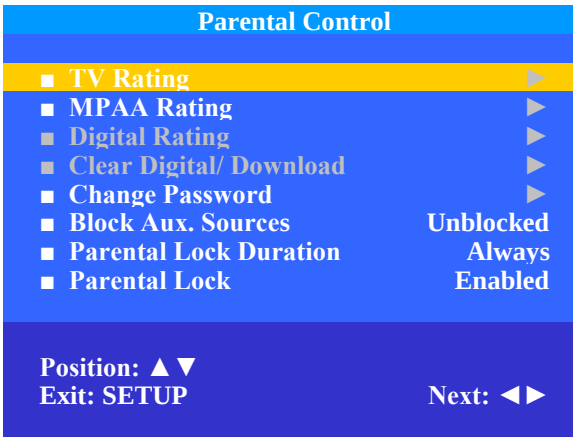




1. Enter the Channels menu
2. Press ▲ or ▼ to highlight Copy Service Level.
3. Press ► to select it.
4. Press ▲ to set the From Service Level. Press ▼ to set the To Service Level.
5. Press ► to copy the Service Level.
6. A confirmation page will appear. Press ▲ to proceed. Press ▼ or SETUP to return to the previous menu. **NOTE:** *After a Service Level is copied, the TV returns to the Copy Service Level menu. If the To Service Level has been set to active in the Service Level setting (see Service Levels on page 15), TV programming will appear*.
7. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Parental Control

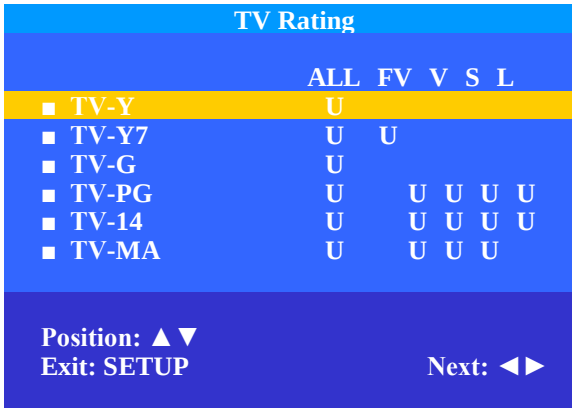
Parental Control allows you to block channels, TV shows, movies, and devices that are connected to the P23LCDE.



1. Enter the Channels menu
2. Press ▲ or ▼ to highlight Parental Control.
3. Press ► to select it.

TV Rating

Most TV programs are 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.



1. From the Parental Control menu, enter the TV Rating menu.
2. Press ▲ or ▼ to move to one of the six age-based categories.
3. Press ◄ or ► to cycle through the sub-ratings (ALL, FV, V, S, L or D) or exit out of them in that category.
   NOTE: *The U or B (unblocked or blocked) will turn red when it is highlighted*
4. Press ▲ or ▼ to change the sub-rating.
5. Press the SETUP button to return to the previous menu. Or press ◄ to get out of the sub-category.
   NOTE: *Categories that are rated for older audiences will be automatically blocked. If you block TV-Y category, then TV-Y7 will be blocked automatically. Similarly, if you block TV-G category, then TV-PG, TV-14 and TV-MA will also be blocked.*

TV Parental Guideline Rating System

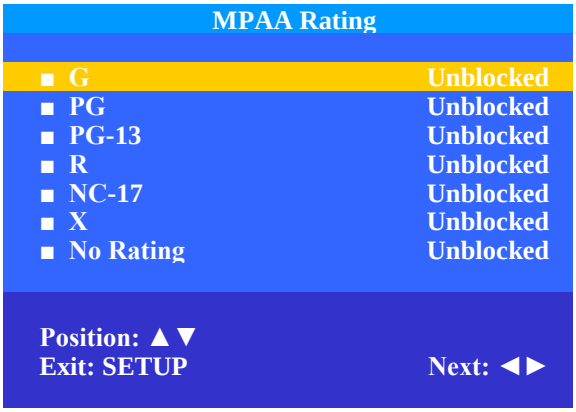
Guide		Meaning
TV-Y	Young Children	Content not offensive to most viewers
TV-Y7	Children 7 and over	Considered suitable for children over 7, may contain Fantasy Violence Scenes
TV-G	General Audience	Considered suitable for all audiences; children may watch unattended.
TV-PG	Parental Guidance	Suggested 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.

The sub-rating of TV rating

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

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.



1. From the Parental Control menu, enter the MPAA Rating menu.
2. Press ▲ or ▼ to highlight a particular MPAA Rating.
3. Press ◄ or ► to select Blocked or Unblocked.
   NOTE: *Parental Control will automatically block any category that is rated for older audiences. For example, if you block the PG-13 category, then R, NC-17 and X will be automatically blocked also.*
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

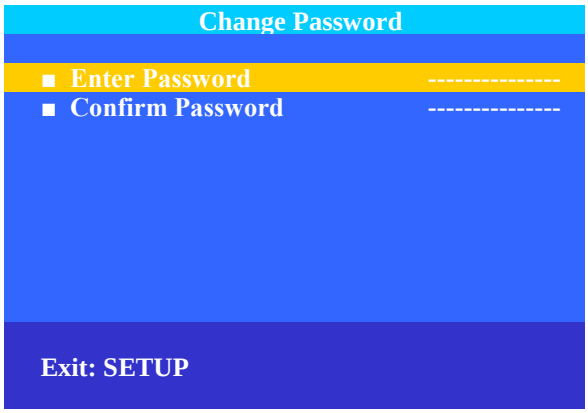
Motion Picture Association of USA (MPAA) Rating System

Guide		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	Parents 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

Change Password

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

NOTE: *The factory default password that is programmed into the TV is 0000.*



1. From the Parental Control menu, enter the Change Password menu.
2. Enter a new password by using the number buttons on the remote.
3. Confirm the password by entering the same digits.

NOTE: *After confirming the password, the TV will return to the Parental Control menu.*

Block Aux. Source

Like TV programs and channels, the auxiliary sources can be blocked too. When the TV encounters an external signal source that is not appropriate per its settings, a black screen appears with muted sound.

NOTE: *Parental Lock must be enabled for the sources to be blocked. (See Parental Lock below.)*

1. In the Parental Control menu, press ▲ or ▼ to highlight Block Aux. Source.
2. Press ◄ or ► to select Unblocked or Blocked.
3. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Parental Lock Duration

This sets how long an enabled Parental Lock will be active.

1. In the Parental Control menu, press ▲ or▼ to highlight Parental Lock Duration.
2. Press ◄ or ► to select the desired number of hours (1-99) or Always.
3. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.

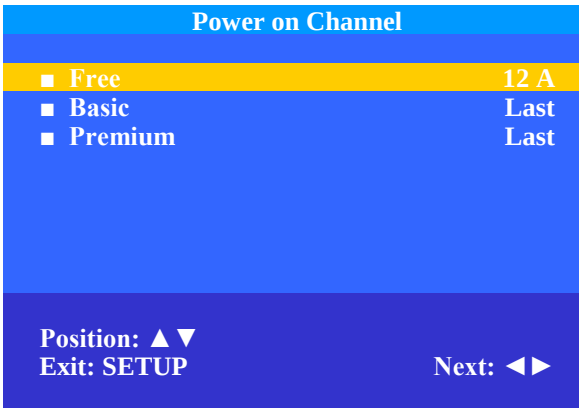
Parental Lock

This enables or disables the settings in the Parental Control menu. Enabling it will require the password to be entered to access the Parental Control menu in the future.

1. In the Parental Control menu, press ▲ or ▼ to highlight Parental Lock.
2. Press ◄ or ► to select Enable or Disable.
3. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Power on Channel

Displays a certain channel each time the TV is turned on. This feature is useful for hospitals that have a Welcome Channel and wish to have it displayed upon the initial use of the TV. The patient can then tune to any other available channel.



1. Enter the Channels menu
2. Press ▲ or ▼ to highlight Power on Channel.
3. Press ► to select it.
4. Press ▲ or ▼ to highlight the desired Service Level (Free, Basic, or Premium).
5. Press ◄ or ► to scroll through the channels currently available in the Service Level or Last.
   NOTE: *Last will cause the TV to turn on to the last channel before it was turned off.*
6. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Channel Lock

Locks the currently viewed channel and prevents patients from tuning to any other channel. This feature is useful when the TV is used for information display purposes.

1. Enter the Channels menu
2. Press ▲ or ▼ to highlight Channel Lock.
3. Press ◄ or ► to select Enable or Disable.
4. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.

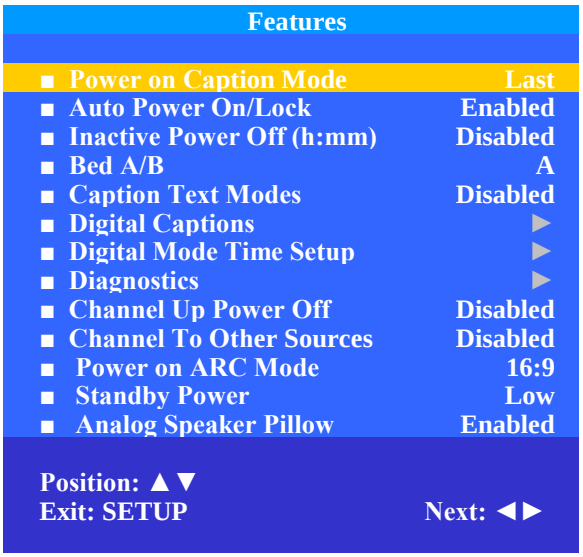
Channel Memory Override

Allows a channel to be entered with the remote's number buttons that is not memorized in the current Service Level.

1. Enter the Channels menu
2. Press ▲ or ▼ to highlight Channel Memory Override.
3. Press ◄ or ► to select Enabled or Disabled.
   1. DISABLED = Service Level Channels only.
   2. ENABLED = All possible channels.
4. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Features

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



1. Press the SETUP button.
2. Press ▲ or ▼ to highlight Features.
3. Press ► to enter the Features sub-menu.

Power on Caption Mode

Power on Caption 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 turns on with the last caption setting.

1. Enter the Features menu
2. Press ▲ or ▼ to highlight Power on Caption Mode.
3. Press ◄ or ► to select Last or Off.
4. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Auto Power On/Lock

The TV will turn on and stay on whenever electrical power is applied to the set. The feature is useful for controlling the TV from a wall switch or preventing the TV from being turned off by the TV power button or the remote control.

1. Enter the Features menu
2. Press ▲ or ▼ to highlight Auto Power On.
3. Press ◄ or ► to select Disabled or Enabled.
4. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Inactive Power Off (h:mm)

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

1. Enter the Features menu
2. Press ▲ or ▼ to highlight Inactive Power Off (h:mm).
3. Press ◄ or ► to select an active time or select Disabled to disable this feature.
4. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.

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

Bed A/B

The TV can be controlled by a patient IR remote, PD108-421. The TV offers Bed A and Bed B selectable codes for independent control of a single TV in a two TV room. The patient remote can be toggled between Bed A and Bed B codes by pressing the CODE button (with a paperclip).

1. Using programming remote, PD108-420, enter the Features menu.
2. Press ▲ or ▼ to highlight Bed A/B.
3. Press ◄ or ► to select A or B.
4. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.
5. Try the patient remote, PD108-427, to make sure it works with the Bed setting.
6. If it does not, insert a paperclip into the CODE button at the bottom of the remote and hold it in for a few seconds.
7. Try the remote again.

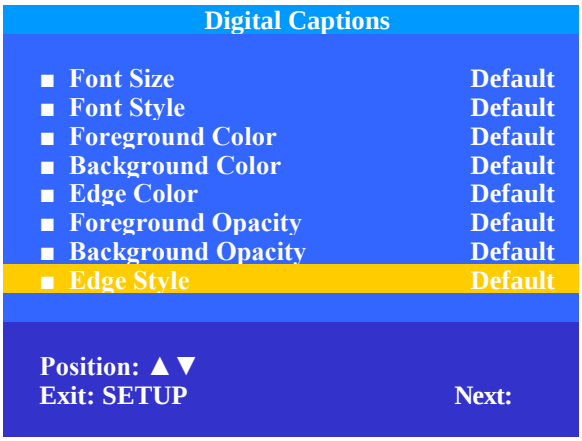
Caption Text Modes

Teletext can be displayed in addition to Captions. Teletext is not normally broadcast in the USA. Caption Text Modes should be set to Disabled for TVs operated in the USA.

1. Enter the Features menu
2. Press ▲ or ▼ to highlight Caption Text Modes.
3. Press ◄ or ► to select Disabled or Enabled.
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Digital Captions

Customization of Closed Captions on ATSC/QAM channels.



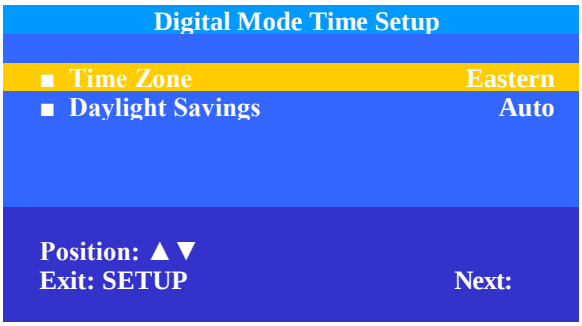
1. Enter the Features menu
2. Press ▲ or ▼ to highlight Digital Captions.
3. Press ► to select it.
4. Press ▲ or ▼ to highlight the attribute you wish to change.

5. Press ► to change it. (See the table below for the attributes of each setting.)
6. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Setting	Attributes
Font Size	default, small, standard, large
Font Style	default, sizes 0 through 7
Foreground Color	default, white, black, red, green, blue, yellow, magenta, cyan
Background Color	default, white, black, red, green, blue, yellow, magenta, cyan
Edge Color	default, white, black, red, green, blue, yellow, magenta, cyan
Foreground Opacity	default, solid, translucent, transparent, flashing
Background Opacity	default, solid, translucent, transparent, flashing
Edge Style	default, none, raised, depressed, uniform, left drop shadow, right drop shadow

Digital Mode Time Setup

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



1. Enter the Features menu
2. Press ▲ or ▼ to highlight Digital Mode Time Setup
3. Press ► to select it.
4. Press ◄ or ► to select your viewing area time zone: Pacific, Alaska, Hawaii, Newfoundland, Atlantic, Eastern, Central or Mountain.
5. Press ▲ or ▼ to highlight Daylight Savings.
6. Press ◄ or ► to select Auto, On, or Off depending on whether or not your viewing area observes Daylight Savings Time.
7. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Channel Up Power Off

This feature causes the TV to turn off once it reaches the highest numbered (last) channel and is usually used with single button style pillow speakers. When the feature is disabled, the TV will continue on to the lowest channel and not turn off.

1. Enter the Features menu
2. Press ▲ or ▼ to highlight Channel Up Power Off.
3. Press ◄ or ► to select Enabled or Disabled.
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Channel to Other Source

External signal sources connected to the TV, such as DVD players or video-game systems, 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 by pressing the remote's or the TV's TV/AV button. Set this feature to Enabled to allow access to external devices by pressing the channel up or down buttons on a remote or most pillow speakers.

1. Enter the Features menu
2. Press ▲ or ▼ to highlight Channel to Other Source.
3. Press ◄ or ► to select Enabled or Disabled.
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Power on ARC Mode

The TV powers on with a set screen sized aspect ratio of 4:3, 14:9, 16:9, 16:9 Panorama, or Last.

1. Enter the Features menu
2. Press ▲ or ▼ to highlight Power on ARC Mode.
3. Press ► to select 4:3, 14:9, 16:9, 16:9 Panorama, or Last.
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

NOTE: The new ARC setting will become effective once the TV is turned off and then back on. To set a new ARC setting while viewing a program, use the ARC button on either Programming Remote or Patient Remote. Press the ARC button on the remote until you reach the desired Aspect Ratio.

Standby Power

Setting the TV to Low conserves energy, but lengthens to power on time. Select Normal for quick powering of the TV.

1. Enter the Features menu
2. Press ▲ or ▼ to highlight Standby Power.
3. Press ► to select Low or Normal.
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Analog Pillow Speaker

Enables/disables use of an Analog Pillow speaker for controlling TV. Analog Pillow Speaker is operated by one button located in the center of the speaker. This button controls the Power ON/OFF, as well as the channels.

1. Press the SETUP button on the remote control
2. Press ▲ or ▼ to select Features.
3. Press ▲ or ▼ to select Analog Pillow Speaker.
4. Press ◄ or ► to select Enable/Disable
5. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.

On Screen Menu Language Selection

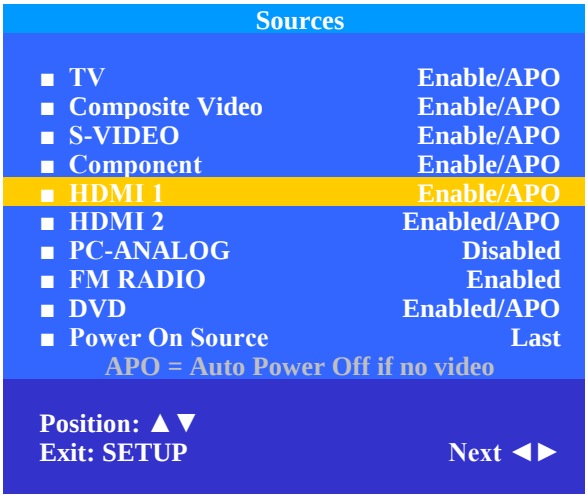
You can adjust the language used in displaying the (OSD) on screen display.

1. Press SETUP.
2. Press ▲ or ▼ to select the OSD Language menu.
3. Press ◄ or ► to select your desired language.

4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Sources

The TV's signal sources can be individually Enabled or Disabled. The available sources in this menu correspond with the components you have connected to the TV's connectors. (See page 12 for a diagram of connections.)



1. From the SETUP menu, press ▲ or ▼ to highlight Source.
2. Press ◄ or ► to select it.
3. Press ▲ or ▼ to highlight a desired source.
4. Press ◄ or ► to change the source status to either Disabled or Enabled/APO (Auto Power Off).
   NOTE: *Sources that are gray are not installed in the TV. For the TV source, Enabled/APO means the TV will turn off if there is no video.*
5. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

   NOTE: *For PC-ANALOG, see your computer manual for display resolution adjustments.*

   NOTE: *Please disable all of the TV's sources that are not being used. 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.*

Power On Source

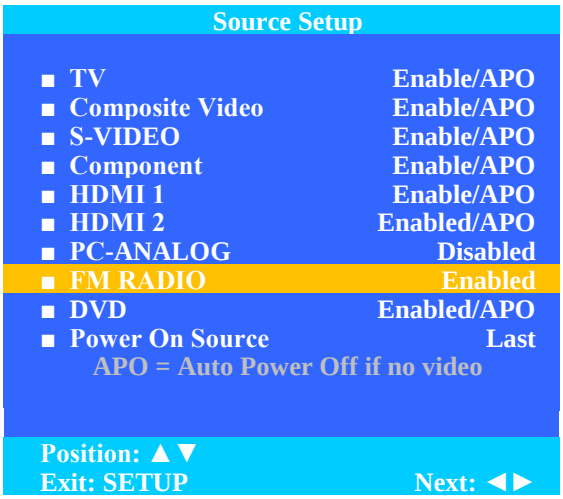
The TV can be preset to power on to a selected source.

1. Enter the Sources menu
2. Press ▲ or ▼ highlight Power On Source.
3. Press ◄ or ► to change to the source that you want the TV to power on to.
   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 to the Last source selected.*
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

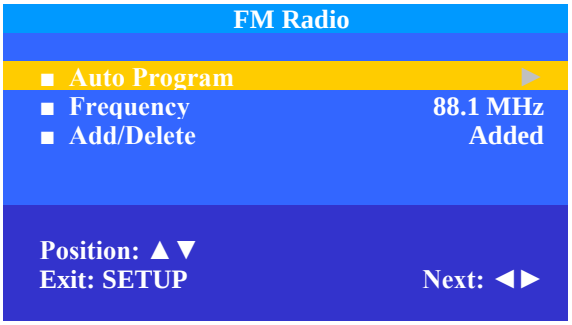
FM Radio

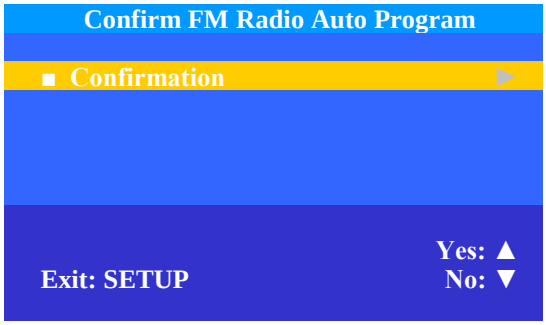
You can listen to FM radio stations that are combined with the cable TV signals using this TV.

Enable FM Radio



1. From the SETUP menu, press ▲ or ▼ select Source Setup.
2. Press ► to enter it.
3. Press ▲ or ▼ to highlight FM Radio.
4. Press ► to Enable it.





Auto Program

This will search for active radio stations to program into the P23's FM tuner.

5. Press ▲ or ▼ to highlight FM Radio.
6. Press ► to enter it.
7. Press ▲ or ▼ to highlight Auto Program
8. Press ► to select it.
9. A confirmation page will appear. Press ▲ to proceed. Press ▼ or SETUP to return to the previous menu.

Add/Delete Stations

Press ▲ or ▼ to highlight Frequency.

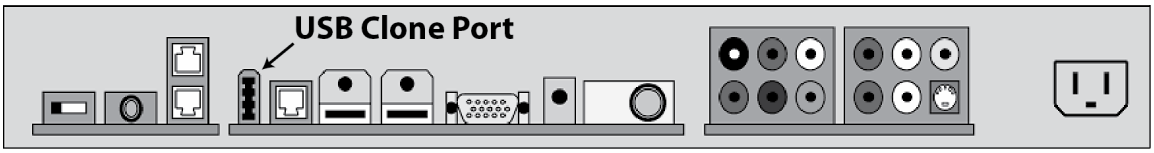
1. Press ◄ or ► to select the frequency you wish to add or delete.
2. Press ▲ or ▼ to highlight Add/Delete.
3. Press ◄ or ► to select Added or Deleted.
   NOTE: *When you return to the normal viewing screen, a station you deleted will be playing. Press ▲ or ▼ to tune to another station. Now the station is deleted.*
4. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Cloning

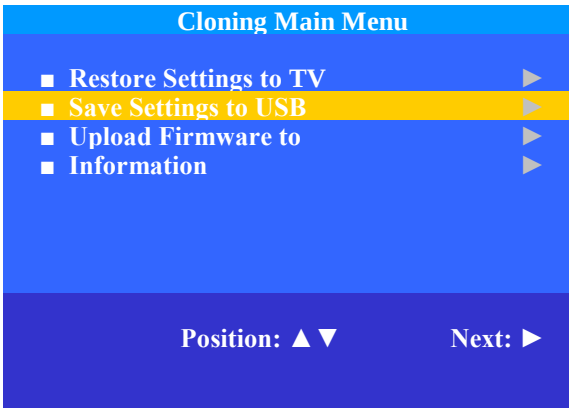
Cloning allows quick programming of a TV from a USB thumb drive. The cloning operation involves first downloading setup information from a programmed host TV to a USB thumb drive and then uploading the setup information to another TV. Cloning also can be used to re-program a programmed TV.

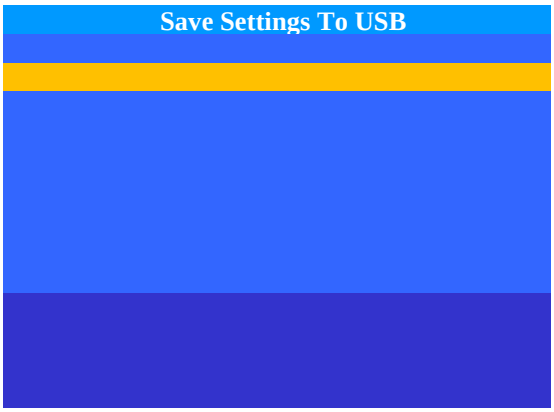
Save Settings to USB

1. Turn on the TV.
2. Insert a blank USB thumb drive into the cloning port in the back of the TV. A Cloning Main Menu will appear.



3. Press ▲ or ▼ to highlight Save Settings to USB.
4. Press ► to display the Save Settings to USB menu.

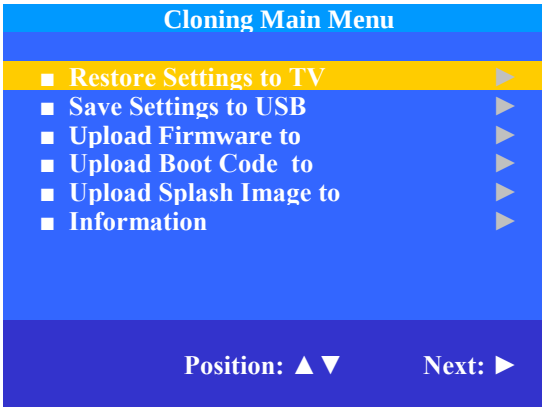




5. If you want to rename the file, press the ▲ or ▼ to highlight the file name. Otherwise go to step 7.
   a. Press ◄ or ► to highlight each character
   b. Press ▲ or ▼ to change each character
   c. Repeat this process until you have the desired file name. Up to 8 characters may be used.
   d. When done, press ◄ until the characters are no longer highlighted.
6. Press ▲ or ▼ to highlight Save.
7. Press ► to download the TV's setup to the USB thumb drive. A progress screen will be displayed.

8. Press ◄ to return to the Cloning Main Menu.
9. Remove the USB drive to return to normal TV operation.

Restore Setting to TV



1. Press ▲ or ▼ to highlight Restore Settings to TV.
2. Press ► to display a list of previously stored TV setups on the USB thumb drive.
3. Press ▲ or ▼ to highlight the desired setup file.
4. Press ► to select it.
5. A confirmation screen will appear. Press ▲ to restore the selected setup file or press ◄ to return to the previous menu without restoring. A progress screen will appear as the settings are restored.
6. The TV will return to the Cloning Main Menu after restoring is complete.
7. Remove the USB thumb drive.

Information

This allows you to check what version of firmware the TV is using.

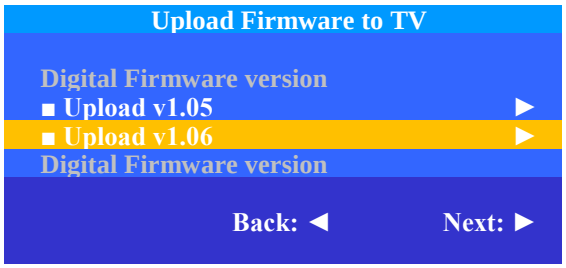
1. In the Cloning Main Menu, press ▲ or ▼ to highlight Information.
2. Press ► to display screen.
3. Press ◄ to return to the previous menu.

Firmware

The firmware for the model PDI-P23LCDE TV is field upgradeable. A data file is written to a USB thumb drive, connected to the TV's USB interface cable, and updated using the TV's menus. Once complete, the TV settings must be reprogrammed.

1. Insert a USB thumb drive into a computer.
2. Create a new folder on the drive called "PDITDF", if one does not already exist.
3. Open your web browser and go to http://www.pdiarm.com/support/
4. Click on Firmware and Driver Updates.
5. Download the firmware you need and save it to your desktop.
    a. **NOTE:** *Please contact technical support at 800-628-9870 if you have issues or questions concerning downloading the latest firmware.*

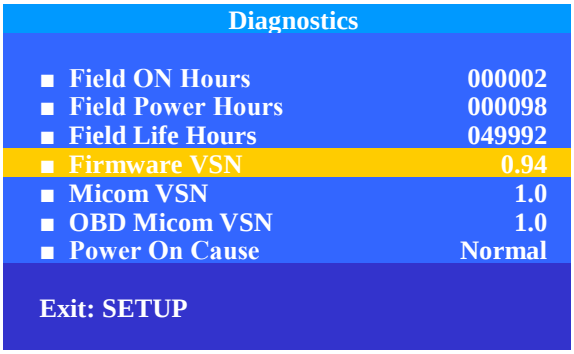
6. Open the zip file you just downloaded and open the PDITDF folder on the USB drive.
7. Drag the firmware file to the PDITDF folder.
8. Remove the USB drive from the computer.
9. Insert it into the cloning port of the P23. (See diagram on page 35)
10. When the cloning menu appears, press ▲ or ▼ to highlight Upload Firmware to TV.
11. Press ► and an Upload Firmware to TV menu appears.
12. Automatic uploads the latest version stored on the USB drive. If there is more than one firmware version on the USB drive, the Digital Firmware menu item allows you to choose the version. Press ▲ or ▼ to highlight the option you want.
13. Press ► to select it.



1. Press the ▲ direction button in the Automatic Upload Firmware to TV menu to begin uploading the latest firmware. Or, in Upload Firmware to TV, press ▲ or ▼ to highlight the desired version of firmware. Then press ► in the Upload Firmware to TV menu to begin uploading the new firmware.
2. A message on the black screen will indicate when the upload is complete. After the upload is complete, remove the USB drive.
3. After the uploading process is complete, turn the TV off and then on to return to normal viewing mode.
    a. **NOTE:** *The TV will take a few minutes to upload the new version of firmware.*

Diagnostics

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



Field ON Hours: Cumulative time TV is actually on.
Field Powered Hours: Cumulative time TV is powered.
Firmware VSN: Main firmware version
Micom VSN: Micom firmware version

1. Enter the Features menu
2. Press ▲ or ▼ to highlight Diagnostics.
3. Press ► to select it.
4. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.

DVD Module Installation and Operation

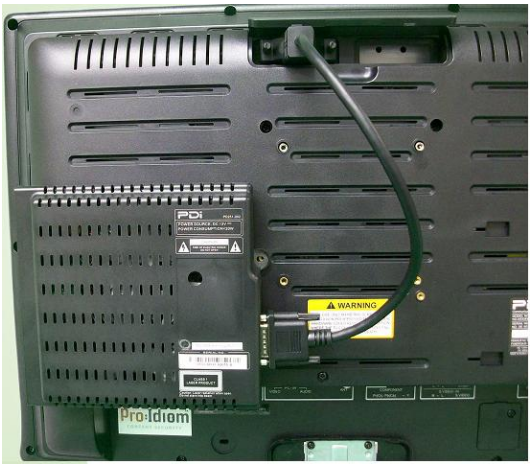
DVD Module (PD251-002) may be purchased separately for this P23LCDE.

WARNING: AC power supply must be disconnected before installing the DVD Player. Failure to do so will cause irreversible damage to the TV.

Installing the DVD Module

1. Unplug the TV from the power supply before installing the DVD Module.
2. Slide the DVD Module (PD251-002) into the slots on the right side of the back of the P23-LCDE TV.
3. Secure with supplied M3 X .5 Phillips screw provided.

4. Connect supplied Cable to DVD Module (tighten cable screws).
5. Open slot door at top of TV. Connect Cable to TV as shown below (tighten cable screws).

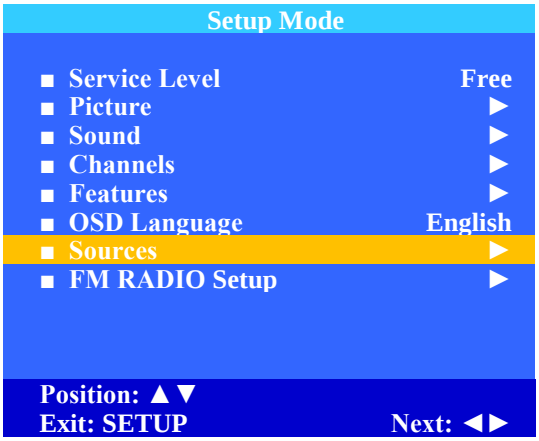


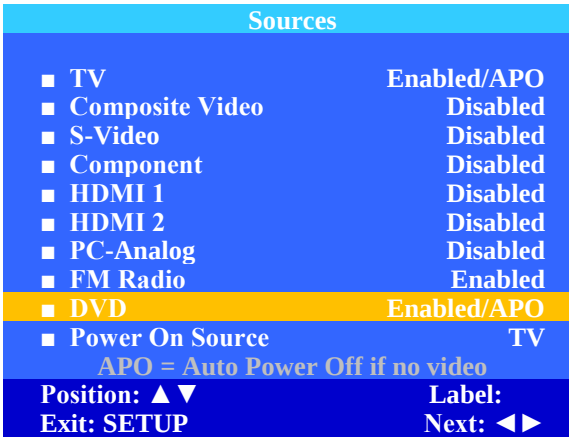
Enable DVD Module

Now that you have the DVD Module installed, it needs to be enabled by using the programming menus. After the DVD Module is enabled, it is ready for use.

1. Plug the Power Cable into power supply.
2. Turn on the TV.
3. Press SETUP on the programming remote, PD108-420.

4. From the SETUP menu, press ▲ or ▼ to highlight Source Setup.
5. Press ► to select it.
6. Press ▼ to highlight SLOT 1.
7. Press ◄ or ► to change the source status to Enable.
8. To exit, press SETUP until the programming menus disappear.





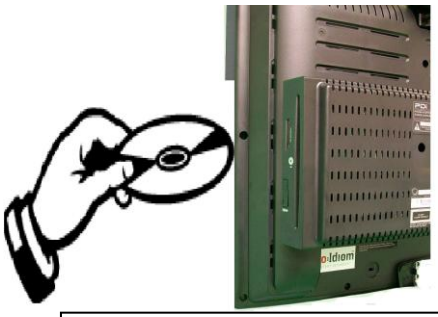
Disc Playback

Patients may use a compatible pillow speaker or a user remote (PD108-427).

NOTE: *Some pillow speakers may not have all the DVD control functions that are listed below. (Consult the pillow speaker manual for the model that will be attached to this unit.)*

1. Use the **TV/AV** button on the TV, pillow speaker (if available) or remote to select the DVD mode.
2. Gently insert the disc into the slot, with the label side facing the same direction as the front of the TV.
3. The disc will be drawn into the unit and loaded automatically.

Side View



Place CD/DVD into player with label facing front of TV.

4. Press the ▶ **Play** button to start playback.
5. **NOTE:** *Playback might start automatically when the disc is inserted.*
6. During playback, press the ■ **Stop** button once to stop playback and then press the ▶ **Play** button to resume. Press the ■ **Stop** button twice to stop playback completely.
7. During playback, press the ⏸ **Pause** button once to pause the playback; press it repeatedly to start step-by-step playback and press the ▶ **Play** button to resume normal playback.
8. During playback, press the ⏭ button to go to the next chapter. Press the ⏮ button once to return to the beginning of the current chapter; press it twice to go to the previous chapter.
9. During playback, press the ⏩ button to activate fast forward playback; press the ⏪ button to activate fast backward playback. During fast playback, press the ▶ **Play** button to resume normal playback.
10. **NOTE:** *The FFD/RWD speeds are x2, x4, x8, x16, or x32.*
11. On the PD108-427 remote, the OK button and the directional buttons that surround it can be used to select the menu item choices on a DVD. (e.g. Scene Selection and Bonus Features.). Use the four directional buttons to move to the desired menu item, and press the OK button to select it.

Navigating menus

On the PD108-427 remote, the OK button and the directional buttons that surround it can be used to select the menu item choices on a DVD. (e.g. Scene Selection and Bonus Features.). Use the four directional buttons to move to the desired menu item, and press the OK button to select it.

Advanced DVD playback features

Besides the basic controls for playing, pausing, rewinding, and advancing through a DVD, there are other functions that can be performed during playback.

Repeating a Chapter or Title

1. Press the REPEAT button, at the bottom of the remote, to cycle through the selections: Title, Chapter, or All.
2. Stop pressing REPEAT when the desired selection appears on screen.

Changing the Subtitle and Audio

Many DVDs have the ability for their content to be played back in various languages or other types of audio outputs. They also have the ability to display subtitles in various languages.

Audio

1. To set the audio to a certain type of language, types of audio output, or commentary, press the AUDIO button to cycle through the choices.
2. Stop pressing AUDIO when the desired selection appears on screen.

Subtitle

1. To set a Subtitle in a certain language, press the SUBTITLE button to cycle through the choices.
2. Stop pressing SUBTITLE when the desired selection appears on screen.

DVD Content Information

While the DVD is playing, you can view different types of information about the content, such as what chapter is being played or what subtitle is set. The table below shows different categories of information and what can be changed.

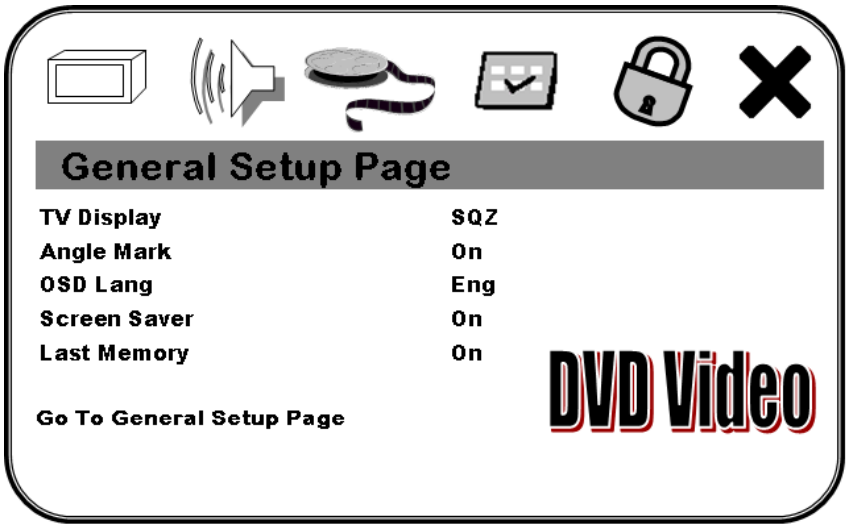
1. Press GOTO, at the bottom of the Patient remote.
2. Press ▲ or ▼ to highlight the desired category
3. Press OK to select the category (categories described on page 41).

4. If there is a number to be entered, use the number buttons.
   NOTE: *Once a digit is entered, the next digit will be ready to be entered. The directional buttons WILL NOT work.*
   If it is a list of choices, do the following.
   a. Press ▲ or ▼ to highlight the desired choice.
   b. Press OK to select the category.
5. Press GOTO to return to normal viewing.

Category	Options
Title	Displays the current title. This can be changed if the DVD has multiple titles and it allows you to change them.
Chapter	Displays the current chapter. This can be changed if the DVD has multiple chapters and it allows you to change them.
Audio	Displays the current audio setting. This can be changed to another available language or audio output.
Subtitle	Displays the current subtitle setting. This can be changed to another available subtitle.
Angle	Some DVDs have scenes where multiple angles have been recorded. You can change the angle of a scene.
TT Time	This shows the length of the playing title. You can enter a time in the video, and the disc will go to that time.
CH Time	This shows the length of the playing chapter. You can enter a time in the chapter, and the disc will go to that chapter and time.
Repeat	Chapter, Title, All, Off
Time Display	Title Elapsed, Title Remain, Chapter Elapsed, Chapter Remain

Setup menu

Like the TV, the DVD module has a Setup screen that allows you to set various features. (See the table on page 42 for a description of the menus and what categories and settings they contain.)



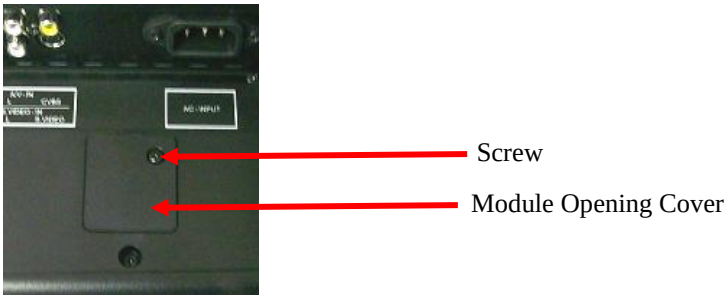
1. Press SETUP on the Patient Remote (PD108-427).
2. Press ◄ or ► to highlight the desired Setup Page.
3. Press OK to select it.
4. Press ▲ or ▼ to highlight the desired category selection.
5. Press OK to select it.

6. Press ▲ or ▼ to highlight the desired option.
7. Press OK to select it.
   NOTE: Some options may take you to an adjustable meter. Use the directional buttons to adjust the meter.
8. If you are done, go to next step. If not, press ◄ to back out of each selection.
9. Press SETUP to return to normal viewing.

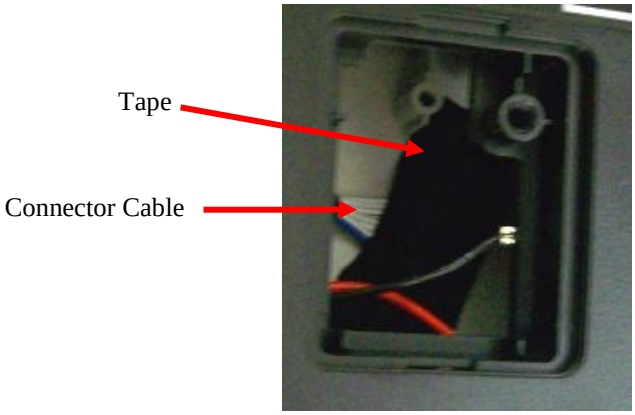
Menu sections	Categories	Options	Options (continued)	Description
General Setup Page	TV Display (when DVD is not inserted)	4:3/Ps, 4:3/Lb, 16:9, Wide squeeze		Adjusts the aspect ratio of the image or video.
	Angle Mark	On, Off		Allows for other angles of a scene in a video to be viewed (if other angles have been recorded on the DVD)
	OSD Lang	English, French, Spanish		Changes the languages of the Setup menus
	Captions	On Off		Turns captions ON or OFF
	Screen Saver	On Off		Turns screensaver ON or OFF
	Last Memory	On Off		When set to ON, the module will start to play the disc where it was last stopped.
Audio Setup Page	Dolby Digital Setup	Dual Mono	Stereo, L-Mono, R-Mono, Mix-Mono	Dual Mode and Dynamic allow the difference between high and low sounds to be adjusted for each of the four settings: Stereo, L-Mono, R-Mono, and Mix-Mono
		Dynamic	Meter. Use ▲ and ▼ buttons to adjust	
	HDCD	Off 1x 2x		A filter can be set for HDCDs
Video Setup Page	Quality	Sharpness, Brightness, Contrast		Adjust 3 setting meters: -20 to 20
Preference Page (w/o DVD inserted)	Audio	English, French, Spanish, German, Italian, Japanese, Russian, Chinese		Change the language spoken on a video(if the DVD offers the language)
	Subtitle	French, Spanish, German, Italian, Japanese, Russian, Chinese, Off		Set the language in which subtitles will be displayed(if the DVD offers the language)
	Disc Menu	English, French, Spanish, German, Italian, Japanese, Russian, Chinese		Changes the languages of menus of the DVD menus(if the DVD offers the language)
	Parental	Kids Saf, G, PG, PG-13, PGR, R, NC-17, Adult		The password will be required if an inserted movie is at a level that is equal to or higher than what is set.
	Default	Reset		Resets module to factory settings
Password Setup Page	Password Mode	On, Off		If set to On, the password will be required to change the Parental options or watch a movie that is at a rating level equal to or higher than what is set in the Parental category.
	Password	Change		Allows for a new password to be set
Exit Setup Menu				Close Setup menu

Wireless Audio Module Upgrade

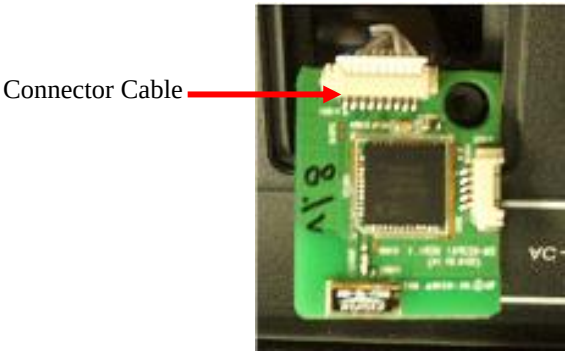
1. Remove the screw and cover from module opening.



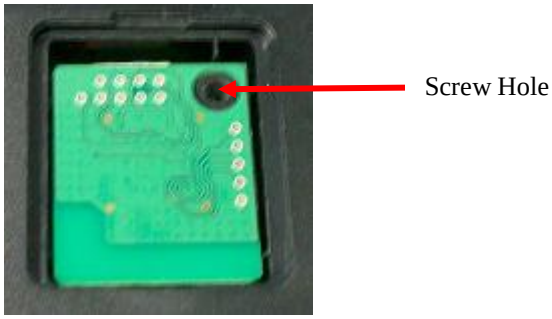
2. Remove the tape from the connector cable.



3. Connect Cable to Wireless Module



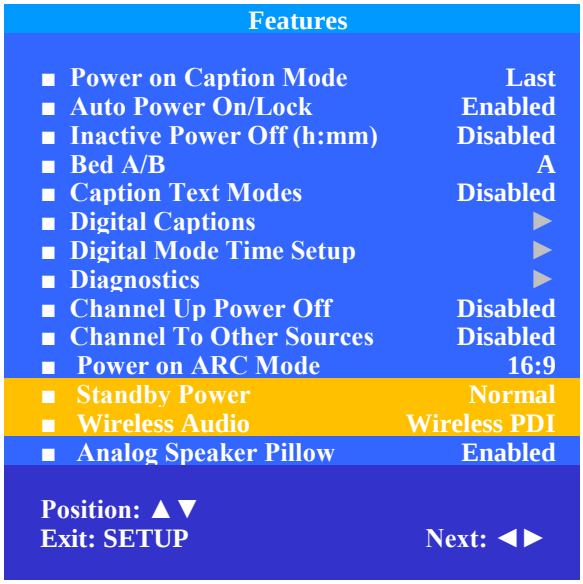
4. "Seat" the Wireless Module into the slot, ensuring that the hole in the module lines up with the screw hole in the television set.



5. Replace cover and secure with screw.

Enabling the Wireless Audio Module

1. From the Setup Menu, enter Features
2. Press ▲ or ▼ to select Standby Power
3. Press ► to select Normal
4. Press ▲ or ▼ to select Wireless Audio
5. Press ► to select Wireless PDI



Limited Warranty

PDI Communication Systems Inc., ("PDI") warrants, to the original purchaser only, that the PDI-P23 LCDE 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, Inc. 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.*

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