WARNINGS

To reduce the risk of electric shock, DO NOT perform any servicing other than what is contained in the operating instructions, unless you are qualified to do so.

This symbol is intended to alert the user of the presence of un-insulated '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.

SAFETY INSTRUCTIONS

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 not 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 log 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.

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.

CAUTION: These servicing instructions are for use by qualified service personnel only.

POWER CORD

Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and the point where they exit from the apparatus.

To avoid any malfunctions of the unit and unwanted electric shock or fire accidents, please observe the following:

- Hold the plug firmly when connecting or disconnecting the AC power cord to/from an outlet.
- DO NOT connect or disconnect the AC power cord when your hands are wet.
- Keep the AC power cord away from heating appliances.
- Never put heavy objects on the AC power cord.
- DO NOT attempt to repair or reconstruct the AC power cord under any circumstance.
- Remove dust, dirt, etc. from the plug periodically.
- If the unit has been dropped or otherwise damaged, turn off the power and disconnect the AC power cord from the outlet.
- If smoke, odors, or noises are emitting from the unit, disconnect the AC power cord immediately.

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PLACEMENT

Avoid placing the unit in surroundings with:
- Direct sunlight or heat sources, like radiators or ovens.
- High temperature (over 40 C) or high humidity (over 90%).
- Excessive dust.
- Electro-static effect.
- Vibration, impact, or tilted surface.

Otherwise the internal parts may be damaged.

NON-USE PERIODS
- Turn off the power when the unit is not used.
- The power cord should be unplugged from the AC outlet when the unit is idle for a long period of time.

DVD PLAYER
- Because of high voltage inside the unit, touching internal parts is dangerous and may lead to serious damage to the unit and even personal injury.
- DO NOT attempt to disassemble this unit under any circumstance.
- Only put a DVD or CD into the slot.
- **CAUTION**: Disconnect TV main AC cord from wall before plugging in the DVD cable.

STACKING

Place the unit in a horizontal place, and DO NOT lay anything heavy on it.

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.

CAUTION: DO NOT defeat the safety 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 plates and a third grounding prong. The wide blade or the third prong is provided for your safety. If the plug does not fit into your outlet, consult an electrician.

RAIN AND MOISTURE

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

INSTALLATION

DO NOT block any ventilation openings. DO NOT install near any heat source such as radiators, heat registers, stoves, or other apparatus that produce heat.

WET LOCATION

The TV SHOULD NOT be exposed to dripping or splashing. Objects filled with liquids, such as vases, SHOULD NOT be placed on the TV.

OXYGEN ENVIRONMENT

WARNING: DO NOT use in an oxygen tent or an oxygen chamber. Such use may cause a fire hazard.

CLEANING AND DISINFECTION

Clean the exterior of this TV by removing dust with a lint-free cloth.

CAUTION: DO NOT use abrasive or chemical cleaning agents. Clean only with a dry cloth.

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.

OVERHEAD FALLING HAZARD

WARNING: To prevent injury, this apparatus must be securely attached to the wall in accordance with the installation instructions. TVs can pose a striking hazard when mounted at an elevated position.

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.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to 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.

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Table of Contents

WALL Mounting With PD168-005 Standard Wall Bracket
(Not supplied with TV)

1. Refer to Figure 1. Select a location on the wall approximately 5 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).
2. Refer to Figure 2. The TV can be mounted with 4 mm hardware (not provided) using a compatible mount. Position the Back Mount on the LCD TV cabinet. Attach with four M4 x 6mm screws provided with the mount.
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.
5. The TV's tilt can be adjusted by loosening both Pilfer Screws, adjusting tilt, and then tightening the screws.

Figure 1

Figure 2

13.0"

18.0"

2.75"
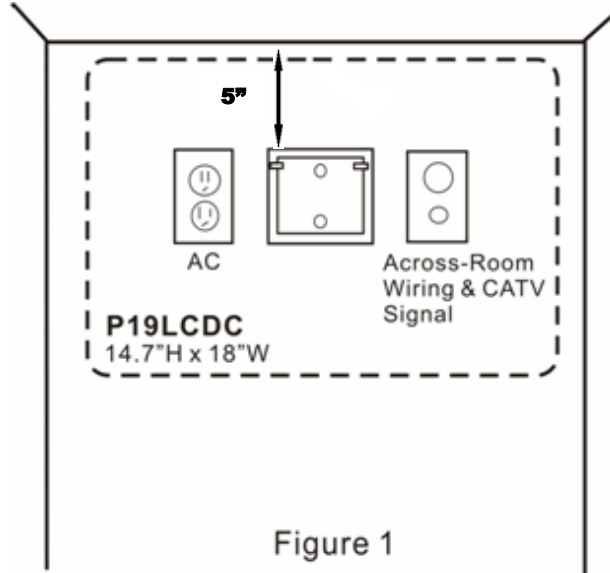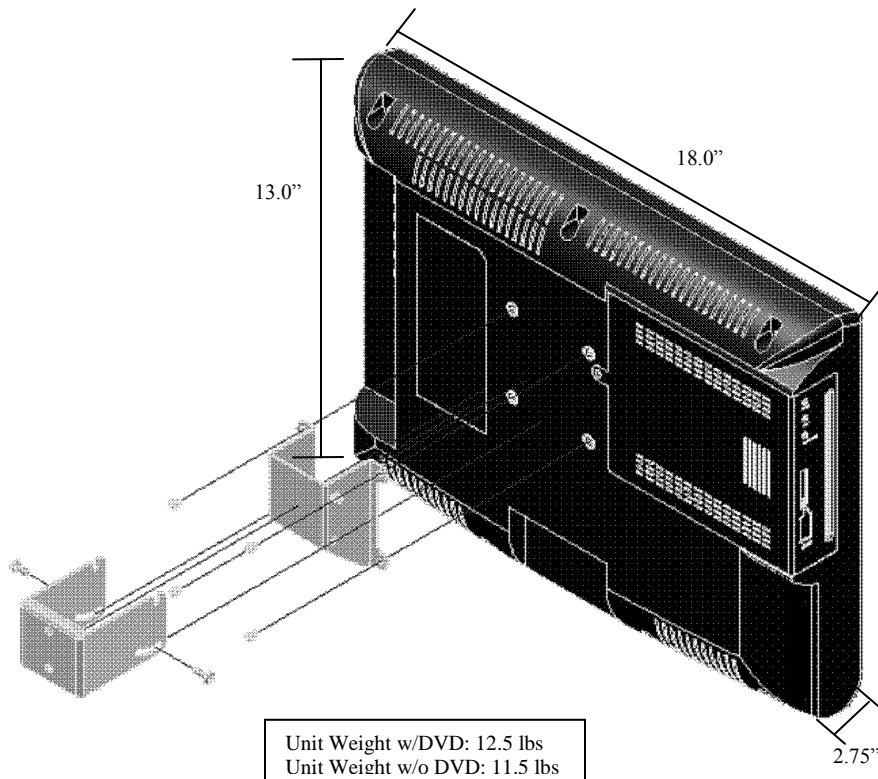
Unit Weight w/DVD: 12.5 lbs
Unit Weight w/o DVD: 11.5 lbs

Connections
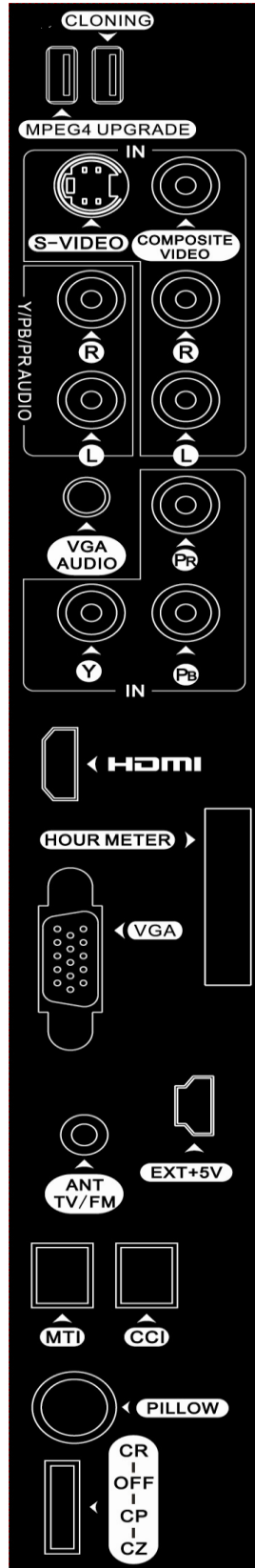
Across Room Wiring

A ¼" stereo style pillow speaker (pendant control) jack is located on the TV's connections panel.

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: Zenith, Philips, and RCA compatible pillow speakers.

> ⚠️ **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 and/or TV.

1. Select the appropriate brand of digital pillow speaker using the recess slide switch below the PILLOW jack.
   CZ for Zenith©
   CP for Philips©
   CR for RCA©
   OFF to disable the pillow speaker.
2. Connect the pillow speaker to the PILLOW jack.
3. Operate the pillow speaker.

To Wall Plate
Pillow Speaker
Connection
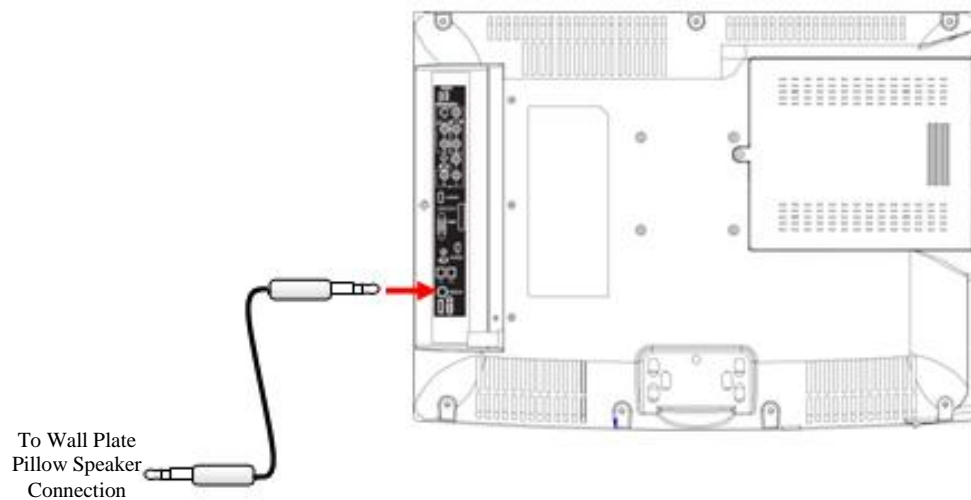
⚠ **WARNING:** DO NOT connect the pillow speaker circuit Common to earth ground. Grounding of the Common will defeat the isolation circuitry of the TV and possibly expose the patient to harmful shock currents should a wiring fault occur.

NOTE: A Jumper Cable is NOT supplied with the TV and must be ordered separately.

¼" to ¼" Jumper Cable
PD106-417

¼" to 6-Pin Jumper Cable
PD106-416

SPEAKER
DATA / SWITCH
COMMON

SPEAKER
COMMON
DATA / SWITCH

ACROSS ROOM WIRING
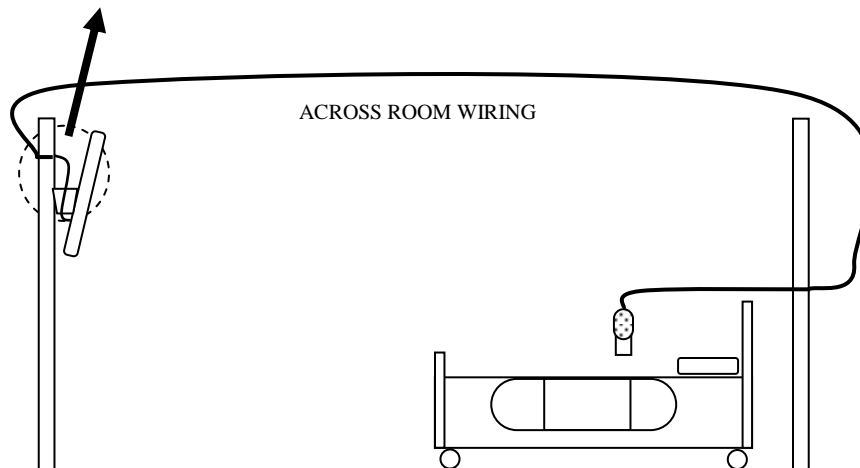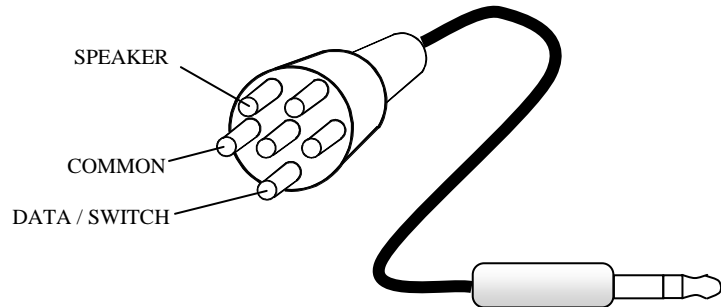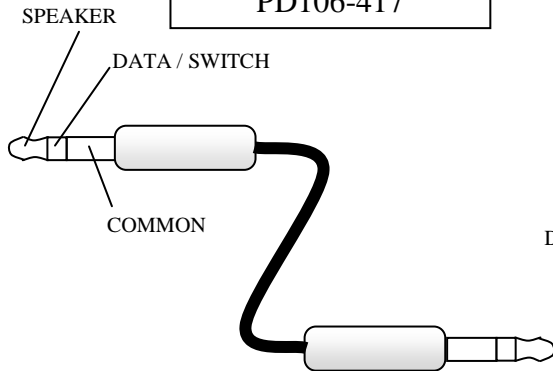
Antenna Connection

An "F" style jack is located on the TV's connector panel.

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

Hospital Coax Cable
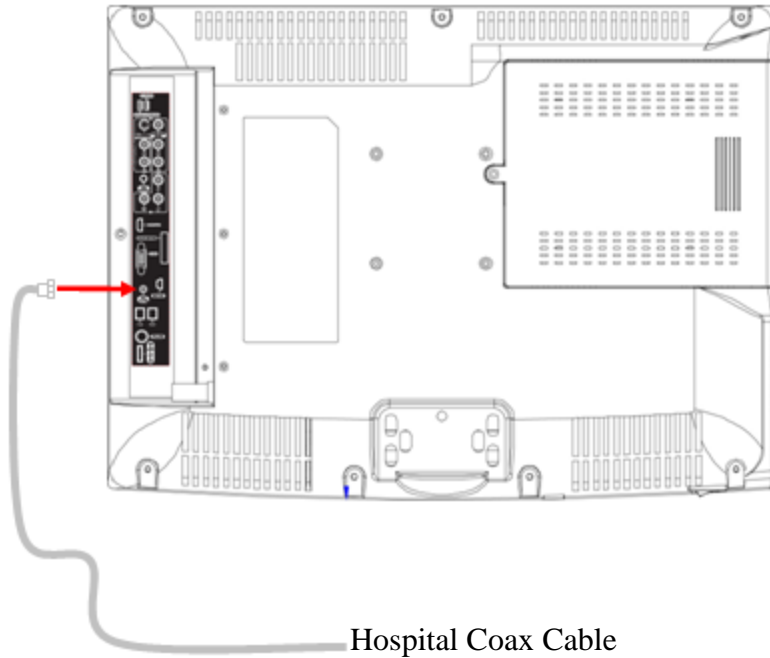
AC Power

A right-angled AC power cord is attached to each TV.

Connect the AC power cord to a powered outlet.
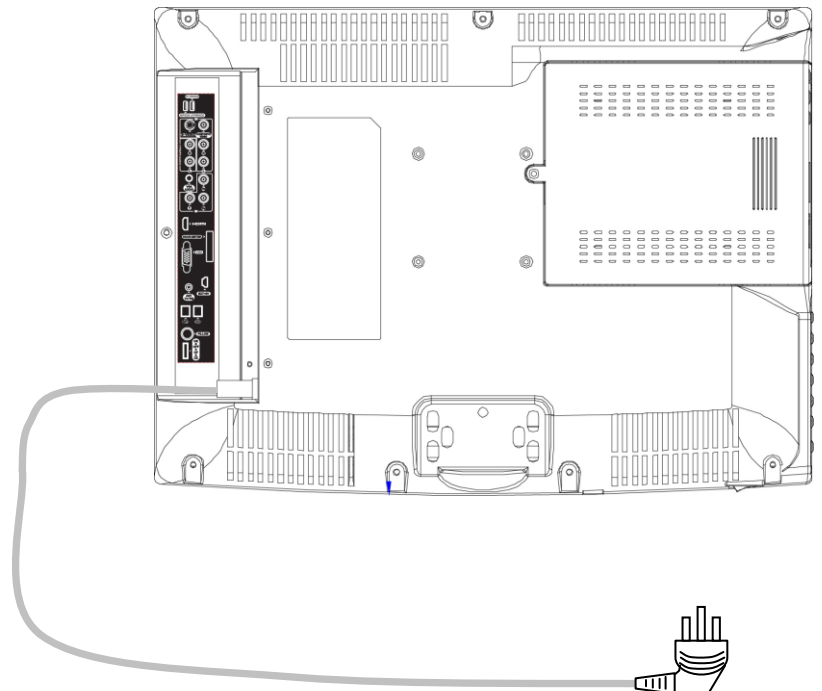
Product Accessories
(Not Included with TV)

75mm VESA Wall Mount	PD168-005	Patient Remote Control (*For TV's without DVD module)	PD108-421
Programming Remote Control	PD108-420	¼" to 6-Pin Jumper Cable	PD106-416
Patient Remote Control (*Remote comes with DVD module)	PD108-427	¼" to ¼" Jumper Cable	PD106-417

Buttons on TV

There are buttons on the left side of the P19 that allow basic operation of the TV.

- TV/AV
- CC – Closed Caption
- CH ▲
- CH ▼
- VOL▲
- VOL▼
- Power

Programming Remote Control

The P19 requires a programming remote control, part number PD108-420, to program it. You will NOT find a remote control packed with the TV. The remote control is an option and would ship separate from the TV.

The remote control has a limited range to prevent dual programming of an adjacent room TV. Stand within 3 feet of the front of the TV to use the remote control.
NOTE: Before you use the remote control, please install the batteries.

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 page 27 for instructions 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

This remote can be used by patients to control the TV and DVD Module
NOTE: **Before you use the remote control, please install the batteries.**
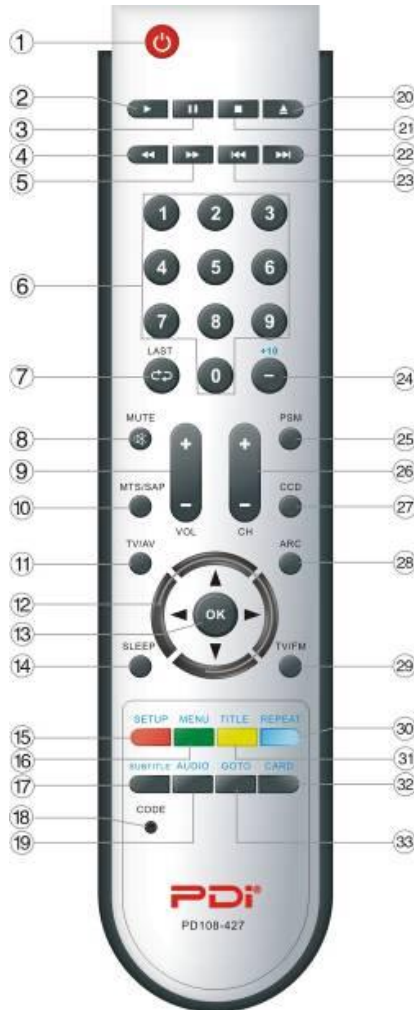
1. **POWER button**
    Turns the TV on or off.
2. **►PLAY button**
    Starts to play the disc in DVD mode.
3. **❚❚ PAUSE button**
    Pause the playback or start step by step playback in DVD mode.
4. **◀◀ button**
    Activates fast backward playback during disc playback in DVD mode.
5. **▶▶ button**
    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.

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Programming

The P19 is programmed by a series of menus that can be accessed with a 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 other settings.

```
          Setup Mode
  ■ Service Level            Free
  ■ Picture                   ►
  ■ Sound                     ►
  ■ Channel Setup             ►
  ■ Features                  ►
  ■ OSD Language            English
  ■ Sources                   ►
  ■ FM RADIO Setup            ►

  ■ Cloning                   ►

  Position: ▲ ▼
  Exit: SETUP            Next: ◄ ►
```
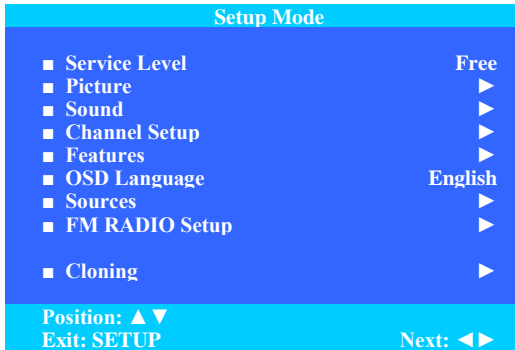
The SETUP menu is the first menu that appears. All the other menus and all the settings can be accessed through it. This manual explains and shows how to setup the different features of the P19.

Service Levels

The P19 contains four separate Service Levels, allowing the hospital to offer either basic or enhanced viewing. The current Service Level can be quickly 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 by entering the SETUP menu and changing the Service Level menu items.

```
          Setup Mode
  ■ Service Level            Free
  ■ Picture                   ►
  ■ Sound                     ►
  ■ Channel Setup             ►
  ■ Features                  ►
  ■ OSD Language            English
  ■ Sources                   ►
  ■ FM RADIO Setup            ►

  ■ Cloning                   ►

  Position: ▲ ▼
  Exit: SETUP            Next: ◄ ►
```
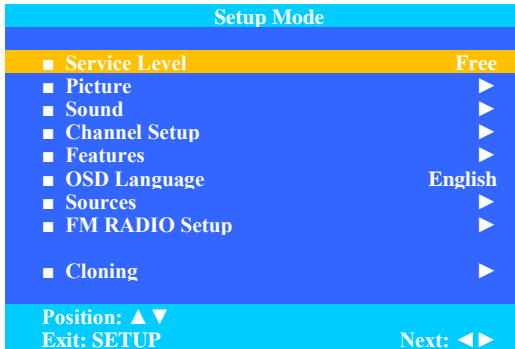
DISABLED – This is like a mechanical key lock. When in *Disabled* Service Level, the TV can be turned off and on, but it cannot be used for viewing. A standard message appears on a black screen.

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 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.

Setup Mode	
■ Service Level	Free
■ Picture	►
■ Sound	►
■ Channel Setup	►
■ Features	►
■ OSD Language	English
■ Sources	►
■ FM RADIO Setup	►
■ Cloning	►
Position: ▲ ▼	
Exit: SETUP	**Next: ◄ ►**

Picture	
■ Brightness	65
■ Contrast	70
■ Color	75
■ Tint	0
■ Color Temperature	►
■ Sharpness	60
■ PC Analog/HDMI	►
■ Component Input Picture	►
Position: ▲ ▼	
Exit: SETUP	**Next: ◄ ►**
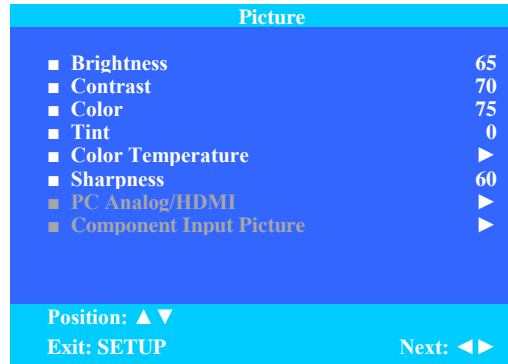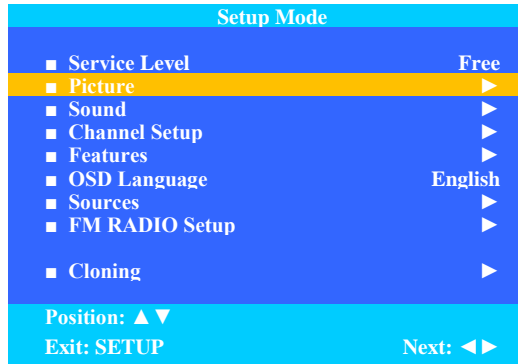
1. Press the SETUP button on the remote control.
2. Press ▲ or ▼ to highlight Picture.
3. Press ► to enter the Picture sub-menu.

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 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.

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

Color Temperature	
■ Standard	
■ Reddish	
■ Greenish	
■ Bluish	
■ User	R G B
Position: ▲ ▼	
Exit: SETUP	**Next: ◄ ►**
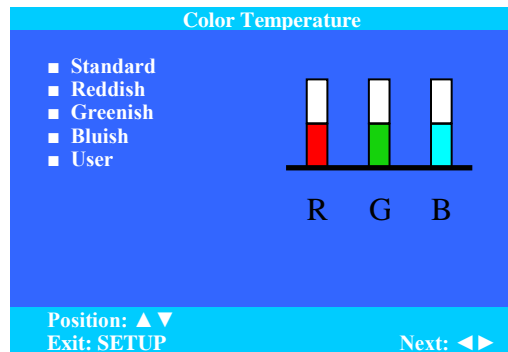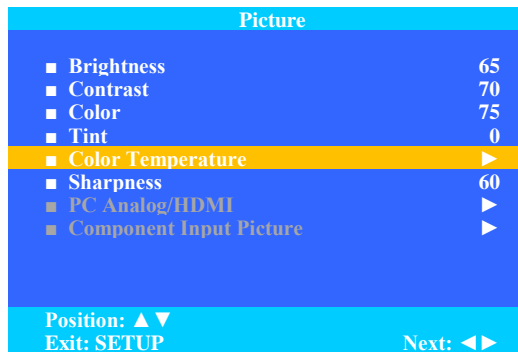
1. Enter the Picture menu
2. Press ▲ or ▼ to highlight Color Temperature.
3. Access the menu by pressing ►.
4. Press ▲ or ▼ to highlight and select one of the five settings.
5. For User, press ◄ and ► to select R, G, or B or to get out of the customized adjustments.
6. Press ▲ or ▼ to adjust R,G, or B
   NOTE: *When you select one of the three colors to adjust, the other two turn grey.*
7. 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.

Setup Mode	
■ Service Level	Free
■ Picture	►
■ Sound	►
■ Channel Setup	►
■ Features	►
■ OSD Language	English
■ Sources	►
■ FM RADIO Setup	►
■ Cloning	►
Position: ▲ ▼	
Exit: SETUP	Next: ◄►

Sound	
■ Balance	0
■ Minimum Volume	25
■ Maximum Volume	100
■ Power on Volume	Last
■ Internal Speaker Enable	►
■ HDMI Audio Port	HDMI
■ Composite/S-Video Sound Mode	L+R
Position: ▲ ▼	
Exit: SETUP	Next: ◄►

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

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 is removed, the TV will power on with a volume of zero.*

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: Last will cause the TV to be at the last setting before it was turned off.
4. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

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Internal Speaker Enabled

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

Sound	
■ Balance	0
■ Minimum Volume	25
■ Maximum Volume	100
■ Power on Volume	Last
■ Internal Speaker Enable	►
■ HDMI Audio Port	HDMI
Position: ▲ ▼	
Exit: SETUP	Next: ◄►

Internal Speaker Enabled	
	Speaker
■ TV	Enabled
■ Composite Video	Enabled
■ S-Video	Enabled
■ Component	Enabled
■ HDMI	Enabled
■ PC-ANALOG	Enabled
■ FM RADIO	Enabled
■ Slot 1	Enabled
Position: ▲ ▼	
Exit: SETUP	Next: ◄►

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 Audio Port

Sound can be set to come from one of several other sources when the TV is set to HDMI video. The HDMI Audio Port has three settings: HDMI, PC, and Component.

1. Enter the Sound menu
2. Press ▲ or ▼ to highlight HDMI Audio Port.
3. Press ◄ or ► to select HDMI, PC, or Component
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, or 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.

Setup Mode	
■ Service Level	Free
■ Picture	►
■ Sound	►
■ Channel Setup	►
■ Features	►
■ OSD Language	English
■ Sources	►
■ FM RADIO Setup	►
■ Cloning	►
Position: ▲ ▼	
Exit: SETUP	Next: ◄►

Channel Setup	
■ Signal	Cable STD
■ Auto Program	►
■ Add/Delete Channels	►
■ Clear Service Level	►
■ Copy Service Level	►
■ Parental Control	►
■ Power On Channel	►
■ Channel Lock	Disabled
■ Channel Memory Override	Enabled
Position: ▲ ▼	
Exit: SETUP	Next: ◄►
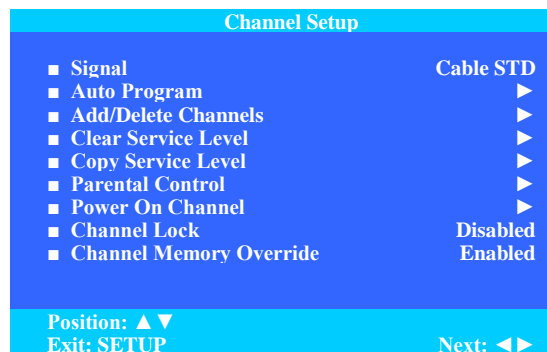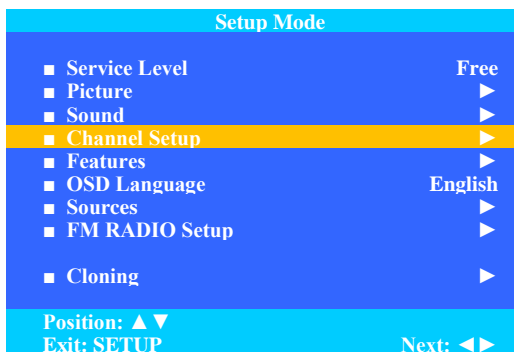
1. Press the SETUP button on the remote control.
2. Press ▲ or ▼ to highlight Channels.
3. Press ► to enter the Channels sub-menu.

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 adjust the channels.

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Auto Program

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

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

Auto Program	
■ Mode	Analog Only
■ Channel Sequence	Interleave A+D
■ Additional Digital Signal	None
■ Free	Blank ►
■ Basic	Blank ►
■ Premium	Blank ►
Position: ▲ ▼	
Exit: SETUP	Next: ◄►

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 searched 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. 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 also can be reprogrammed if desired.*
7. Press ► to start auto programming.
8. 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.*
9. 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. 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.

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

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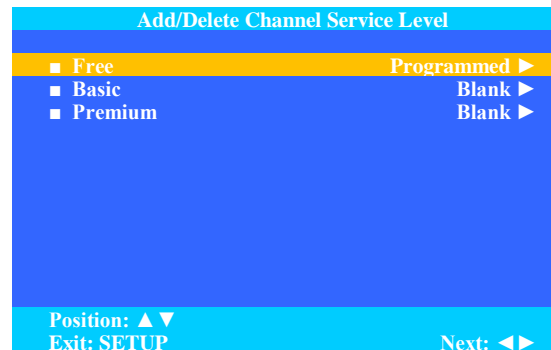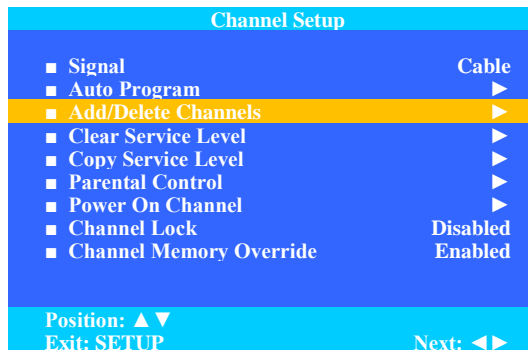
1. Enter the Channels menu
2. Press ▲ or ▼ to highlight Add/Delete Channels.
3. Press ► to select it.
4. Press ▲ or ▼ to highlight the Service Level (Free, Basic, or Premium).
5. Press ► to select the highlighted Service Level.
6. If you want to add or delete an analog channel, press ◄ or ► to select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

```
            Add/Delete Channels

  ■ Analog Channel                    68
  ■ Add/Delete Channel             Added
  ■ Enable/Disable Digital Channel     ►




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

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.

```
        Enable/Disable Digital Chanel

  ■ 28-1                          Enable
  ■ 28-2                         Disable
  ■ 28-3                         Disable
  ■ 28-4                         Disable
  ■ 48-1                         Disable
  ■ 48-2                          Enable
  ■ 28-1                          Enable



  Position: ▲ ▼
  Exit: SETUP              Next: ◄►
```
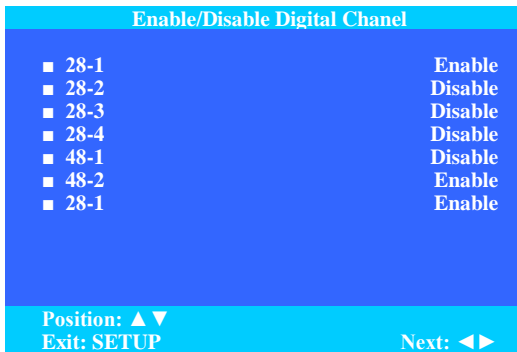
13. Press ◄ or ► to select Enable or Disable.
14. Press the SETUP button to return to the previous menu.

Clear Service Level

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

```
            Channel Setup                              Clear Service Level

  ■ Signal                    Cable            ■ Free                     Blank ►
  ■ Auto Program                 ►             ■ Basic                    Blank ►
  ■ Add/Delete Channels          ►             ■ Premium                  Blank►
  ■ Clear Service Level          ►
  ■ Copy Service Level           ►
  ■ Parental Control             ►
  ■ Power On Channel             ►
  ■ Channel Lock            Disabled
  ■ Channel Memory Override  Enabled

  Position: ▲ ▼                                Position: ▲ ▼
  Exit: SETUP         Next: ◄►                 Exit: SETUP         Next: ◄►
```
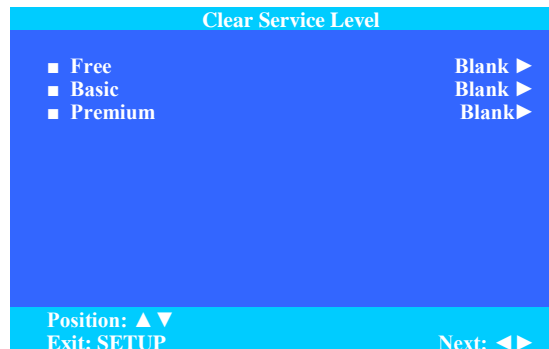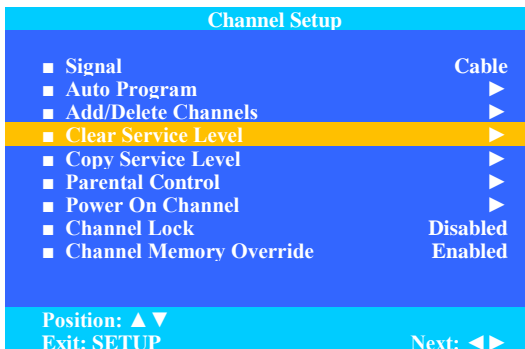
1. Enter the Channels menu
2. Press ▲ or ▼ to highlight Clear Service Level.
3. Press ► to select it.
4. Press ▲ or ▼ to highlight the Service Level (Free, Basic, or Premium).
5. Press ► to select the highlighted Service Level.

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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

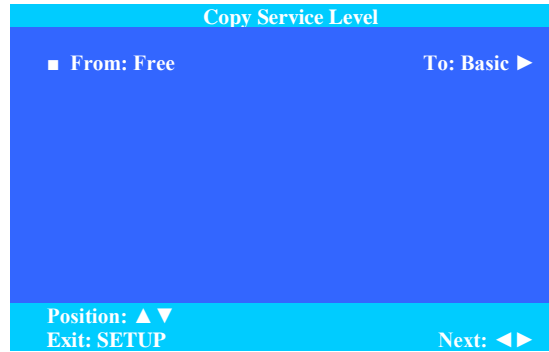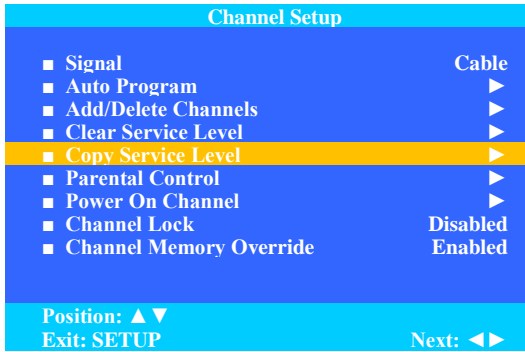This copies one Service Level's channels to another.

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

Copy Service Level	
■ **From: Free**	**To: Basic ►**
Position: ▲▼	
Exit: SETUP	**Next: ◄►**

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 14), 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 P19.

Parental Control	
■ **TV Rating**	►
■ **MPAA Rating**	►
■ Advanced Rating	**Disabled**
■ Advanced Rating Option	►
■ **Change Password**	►
■ **Aux. Block Source**	**Unblocked**
■ **Block Hour**	**Always**
■ **Parental Lock**	**Disabled**
Position: ▲▼	
Exit: SETUP	**Next: ◄►**
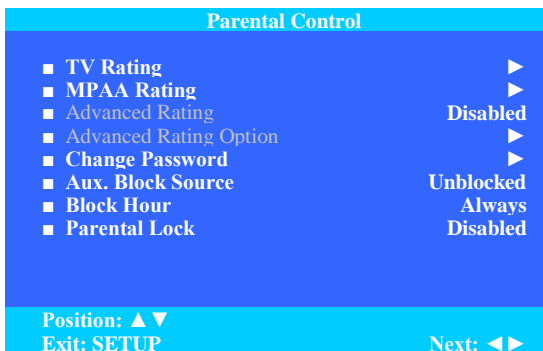
1. Enter the Channels menu
2. Press ▲ or ▼ to highlight Parental Control.
3. Press ► to select it.

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.

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

Position: ▲▼
Exit: SETUP   Next: ◄►
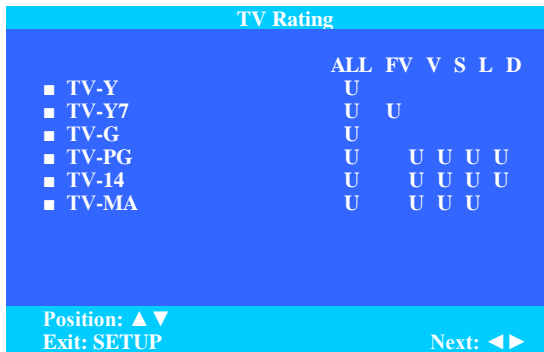
1. From the Parental Control menu, enter the TV Rating menu.
2. Press ▲ or ▼ to move to one of the six age-based categories.
3. Press ◄ or ► to cycle through the sub-ratings (ALL, FV, V, S, L or D) or exit out of the sub-categories in that category.
   NOTE: *The U or B (unblocked or blocked) will turn 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.

MPAA Rating	
■ G	Unblocked
■ PG	Unblocked
■ PG-13	Unblocked
■ R	Unblocked
■ NC-17	Unblocked
■ X	Unblocked
■ No Rating	Unblocked
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►
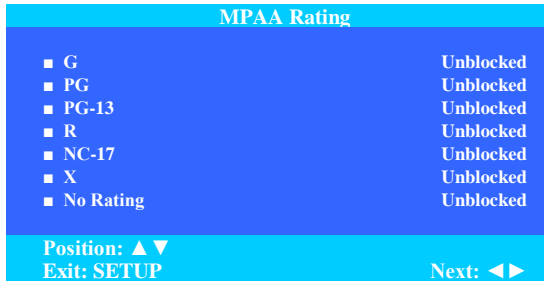
1. From the Parental Control menu, enter the MPAA Rating menu.
2. Press ▲ or ▼ to highlight a particular MPAA Rating.
3. Press ◄ or ► to select Blocked or Unblocked.
   NOTE: *Parental Control will automatically block any category that is rated for older audiences. For example, if you block the PG-13 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

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

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.*

Change Password	
■ Enter Password	---------------
■ Confirm Password	---------------
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

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.*

Aux. Block 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.*

1. In the Parental Control menu, press ▲ or ▼ to highlight Aux. Block 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 initial use of the TV. The patient can then tune to any other available channel.

Power On Channel	
■ **Free**	**Last**
■ **Basic**	**Last**
■ **Premium**	**Last**
Position: ▲ ▼	
Exit: SETUP	**Next: ◄ ►**

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 select one of 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.
   ▪ DISABLED = Service Level Channels only.
   ▪ 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.

Features	
■ **Power on Caption Mode**	**Off**
■ **Auto Power On**	**Disabled**
■ **Inactive Power Off (h:mm)**	**Disabled**
■ **Bed A/B**	**A**
■ **Caption Text Modes**	**Disabled**
■ **Digital Captions**	►
■ **Digital Mode Time Setup**	►
■ **Diagnostics**	►
■ **Channel Up Power Off**	**Disabled**
■ **Channel to Other Sources**	**Disabled**
■ **Power on ARC Mode**	**16:9**
■ **Standby Power**	**Enabled**
■ **Wireless Audio**	**Disabled**
Position: ▲ ▼	
Exit: SETUP	**Next: ◄ ►**

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 the captions disabled. With this feature set to Last, the TV turns on with the last caption setting enabled.

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.

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 Power Management.
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. The TV offers Bed A and Bed B selectable codes for independent control of a single television in a two television room. The patient remote can be toggled between Bed A and Bed B codes by pressing (using a paperclip) the CODE button on the remote.

1. 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.

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.
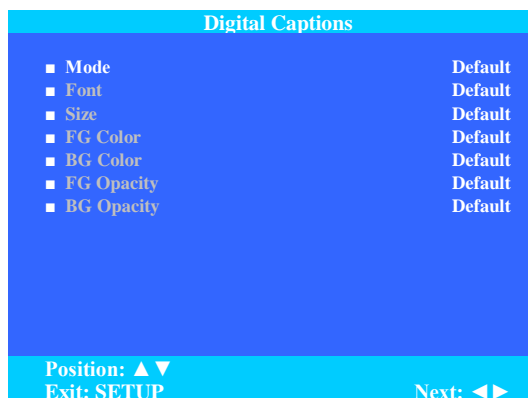
1. Enter the Features menu
2. Press ▲ or ▼ to highlight Digital Captions.
3. Press ► to select it.
4. Press ▲ or ▼ to highlight the attribute you wish to change.
5. Press ► to change it. (See the table below for the settings of each attribute.)
6. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Attribute	Settings
Font	default, small, standard, large
Size	default, sizes 0 through 7
FG (Foreground Color)	default, white, black, red, green, blue, yellow, magenta, cyan
BG (Background Color)	default, white, black, red, green, blue, yellow, magenta, cyan
FB (Foreground) Opacity	default, translucent, transparent, flashing, solid
BG (Background) Opacity	default, translucent, transparent, flashing, solid

Digital Mode Time Setup

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

```
┌─────────────────────────────────────────┐
│        Digital Mode Time Setup           │
│                                          │
│  ■ Time Zone                   Pacific   │
│  ■ Daylight Savings               Off    │
│                                          │
│                                          │
│                                          │
│                                          │
│                                          │
│                                          │
│                                          │
│                                          │
│  Position: ▲ ▼                           │
│  Exit: SETUP              Next: ◄ ►       │
└─────────────────────────────────────────┘
```
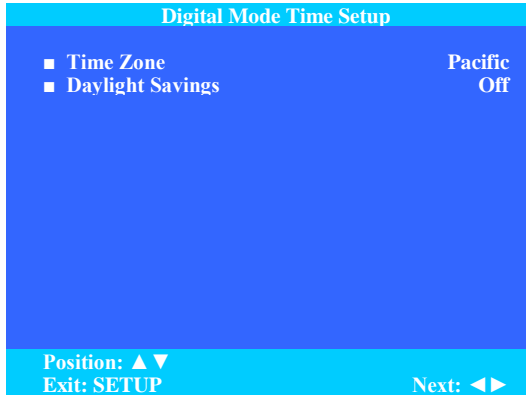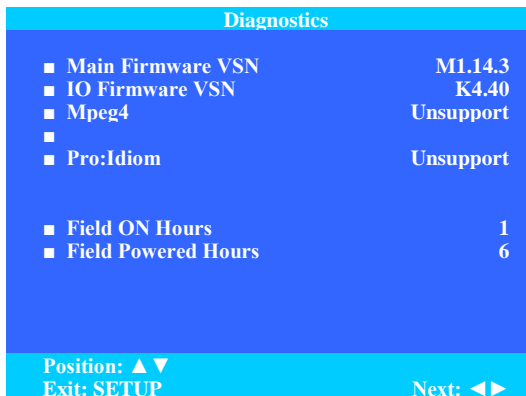
1. Enter the Features menu
2. Press ▲ or ▼ to highlight Digital Mode Time Setup
3. Press ► to select it.
4. Press ◄ or ► to select your viewing area time zone: Pacific, Alaska, Hawaii, Newfoundland, Atlantic, Eastern, Central or Mountain.
5. Press ▲ or ▼ to highlight Daylight Savings.
6. Press ◄ or ► 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.

Diagnostics

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

```
┌─────────────────────────────────────────┐
│              Diagnostics                 │
│                                          │
│  ■ Main Firmware VSN           M1.14.3   │
│  ■ IO Firmware VSN               K4.40   │
│  ■ Mpeg4                     Unsupport   │
│  ■                                       │
│  ■ Pro:Idiom                 Unsupport   │
│                                          │
│                                          │
│  ■ Field ON Hours                   1    │
│  ■ Field Powered Hours              6    │
│                                          │
│                                          │
│                                          │
│  Position: ▲ ▼                           │
│  Exit: SETUP              Next: ◄ ►       │
└─────────────────────────────────────────┘
```

Main Firmware VSN:	Main firmware version
IO Firmware VSN:	Firmware version of the input and output communication within the TV.
Mpeg4	Firmware version of the Mpeg 4 chip set.
Pro:Idiom	Firmware version of Pro:Idiom chip set.
Field ON Hours:	Cumulative time TV is actually on.
Field Powered Hours:	Cumulative time TV is powered.

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.

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 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.

Standby Power

Controls power used by TV when in "Standby" or OFF stage.

1. Press the SETUP button on the remote control.
2. Press ▲ or ▼to select Features.
3. Press ▲ or ▼ to select Standby Power.
4. Press ◄ or ► to select Low/Normal.
   Note: If in "low" mode, TV consumes less power but takes longer to start when turned back on.
5. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Wireless Audio

Wireless Audio provides sound to Headsets, PDI Table Radio, or other similar devices.

6. Press the SETUP button on the remote control.
7. Press ▲ or ▼to select Features.
8. Press ▲ or ▼ to select Wireless Audio
9. Press ► to select Enable/Disable
10. 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 9 for a picture of connections.)

> **NOTE:** *Please disable all of the TV's sources that are not to be 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.*

Source Setup

■ **TV**	**Enabled/APO**
■ **Composite Video**	**Disabled**
■ **S-Video**	**Disabled**
■ **Component**	**Disabled**
■ **HDMI**	**Disabled**
■ **PC-Analog**	**Disabled**
■ **FM Radio**	**Enabled**
■ **Slot 1**	**Enabled**
■	
■ **Power On Source**	**TV**

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

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 grayed out are not installed in the TV. 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.

Power on Source

The TV can be preset to power on to a selected source.
1. Enter the Sources menu
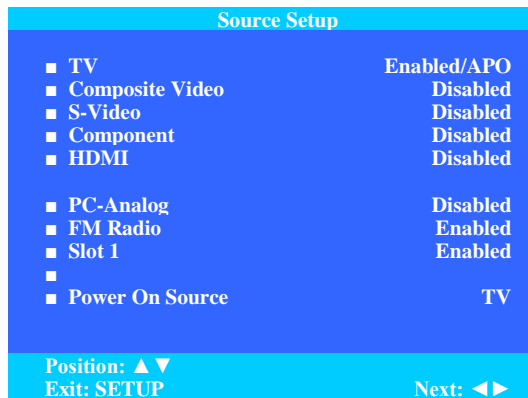2. Press ▲ or ▼ highlight Sources.
3. Press ► to select it.
4. Press ◄ or ► to change to the source that you want the TV to power on to.
   NOTE: *The source must be enabled before it can be chosen as a power on source. The Last entry causes the TV to power on to the Last source selected.*
5. Press SETUP 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.
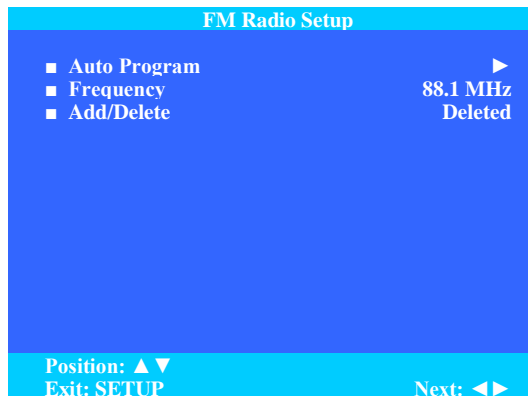
Enable FM Radio

1. From the SETUP menu, press ▲ or ▼ to highlight Source Setup.
2. Press ► to select it.
3. Press ▲ or ▼ to highlight a FM Radio.
4. Press ► to Enable.
5. Press SETUP to return to the previous menu. To exit, press SETUP until the programming menus disappear.

Source Setup	
■ **TV**	**Enabled/APO**
■ **Composite Video**	**Disabled**
■ **S-Video**	**Disabled**
■ **Component**	**Disabled**
■ **HDMI**	**Disabled**
■ **PC-Analog**	**Disabled**
■ **FM Radio**	**Enabled**
■ **Slot 1**	**Enabled**
■	
■ **Power On Source**	**TV**
Position: ▲ ▼	
Exit: SETUP	**Next: ◄ ►**

Auto Program

This will search for active radio stations to program into the P19's FM tuner.

1. From the SETUP menu, press ▲ or ▼ to highlight FM Radio Setup.
2. Press ► to enter it.
3. Press ▲ or ▼ to highlight Auto Program
4. Press ► to select it.
5. A confirmation page will appear. Press ▲ to proceed. Press ▼ or SETUP to return to the previous menu.

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

Confirm FM Radio Auto Program	
■ **Confirmation**	**►**
	Yes: ▲
Exit: SETUP	**No: ▼**

Add/Delete Stations

1. Press ▲ or ▼ to highlight Frequency.
2. Press ◄ or ► to select the frequency you wish to add or delete.
3. Press ▲ or ▼ to highlight Add/Delete.
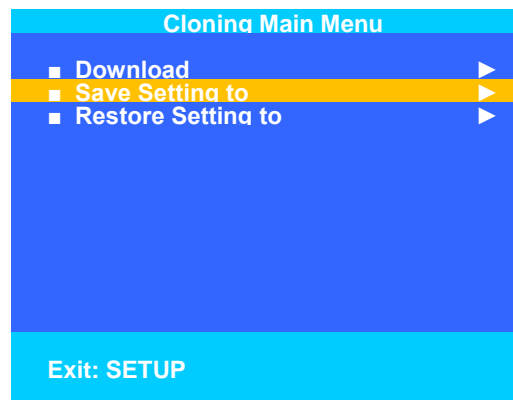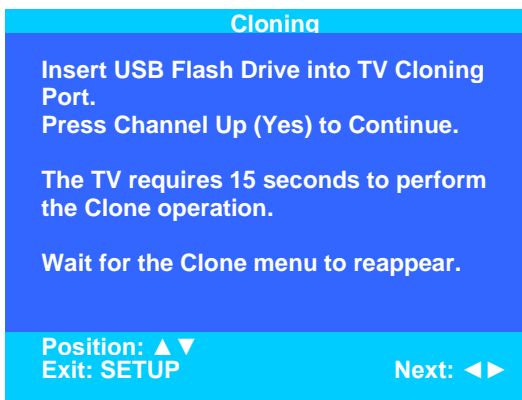4. Press ◄ or ► to select Added or Deleted.
   NOTE: *When you return to the normal viewing screen, a station you deleted will be playing. Press ▲ or ▼ to tune to another station. Now the station is deleted. You cannot go back to it.*
5. Press the SETUP button to return to the previous menu. To exit, press SETUP until the programming menus disappear.
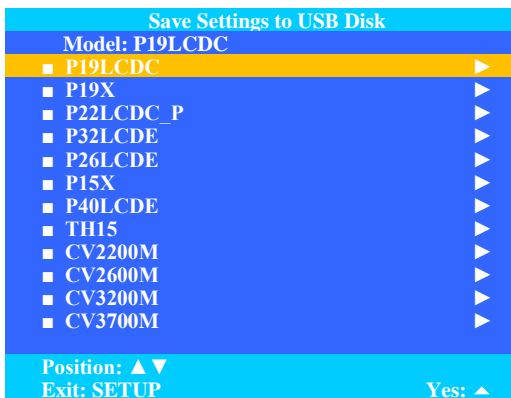
Cloning

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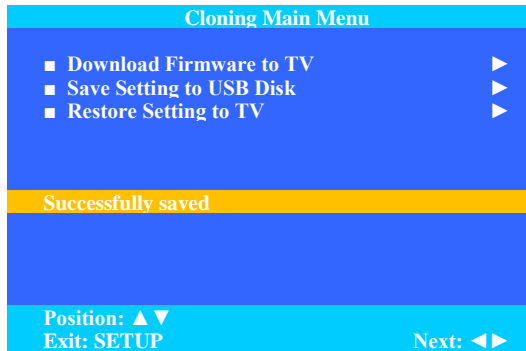
Save Settings to USB Flash Drive

1. Press SETUP on the programming remote, PD108-420.
2. From the SETUP menu, press ▲ or ▼ to highlight Cloning.
3. Press ► to select it.
4. Cloning menu will appear
5. Follow prompts on Cloning menu
6. Cloning Main Menu will appear after approximately 15 seconds.
7. Press ▲ or ▼ to highlight Save Settings to USB Disk.
8. Press ► to display Save Settings to USB Disk.

Cloning
Insert USB Flash Drive into TV Cloning Port.
Press Channel Up (Yes) to Continue.
The TV requires 15 seconds to perform the Clone operation.
Wait for the Clone menu to reappear.
Position: ▲ ▼
Exit: SETUP   Next: ◄►

Cloning Main Menu	
■ **Download**	►
■ **Save Setting to**	►
■ **Restore Setting to**	►
Exit: SETUP	

9. Press ▲ or ▼ to highlight the file for the P19LCDC.

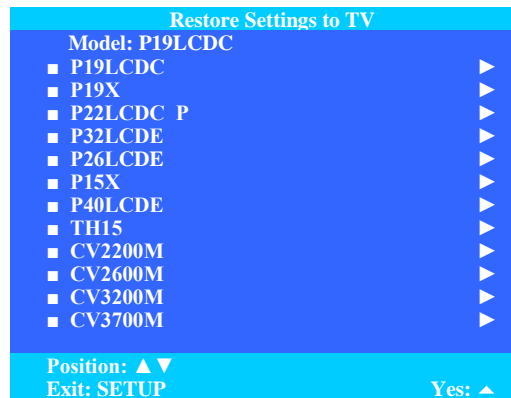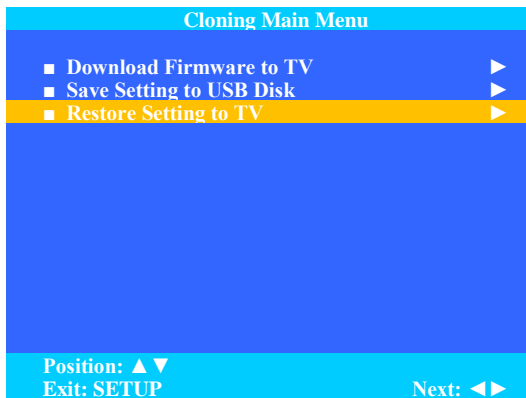| **Save Settings to USB Disk**	
Model: P19LCDC	
■ **P19LCDC**	►
■ **P19X**	►
■ **P22LCDC_P**	►
■ **P32LCDE**	►
■ **P26LCDE**	►
■ **P15X**	►
■ **P40LCDE**	►
■ **TH15**	►
■ **CV2200M**	►
■ **CV2600M**	►
■ **CV3200M**	►
■ **CV3700M**	►
Position: ▲ ▼	
Exit: SETUP	**Yes: ▲**

10. Press ► to download the TV's setup to the USB Disk. (Screen will turn black and LCD light will flash red during this process. Once process is complete LED light will change to blue and TV will return to the Cloning Main Menu with verification of "Successfully saved".)
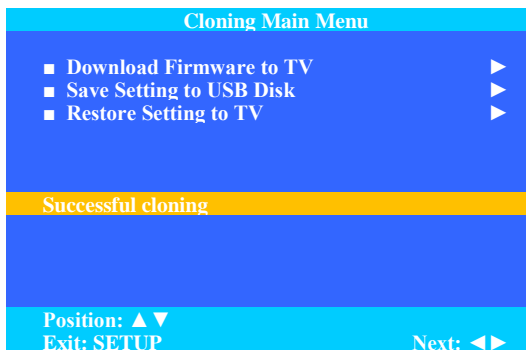
MODEL NUMBER:	Document Number:
PDI-P19LCDC	PD196-149R3
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PDi
Communication Systems, Inc
Better Solutions Are Within Reach™

```
              Cloning Main Menu

   ■ Download Firmware to TV          ▶
   ■ Save Setting to USB Disk         ▶
   ■ Restore Setting to TV            ▶


   Successfully saved



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

11. Remove the USB Flash Drive and press SETUP to return to normal TV operation.

Restore Setting to TV

```
              Cloning Main Menu                              Restore Settings to TV
                                                             Model: P19LCDC
   ■ Download Firmware to TV          ▶              ■ P19LCDC                     ▶
   ■ Save Setting to USB Disk         ▶              ■ P19X                        ▶
   ■ Restore Setting to TV            ▶              ■ P22LCDC  P                   ▶
                                                     ■ P32LCDE                      ▶
                                                     ■ P26LCDE                      ▶
                                                     ■ P15X                         ▶
                                                     ■ P40LCDE                      ▶
                                                     ■ TH15                         ▶
                                                     ■ CV2200M                      ▶
                                                     ■ CV2600M                      ▶
                                                     ■ CV3200M                      ▶
                                                     ■ CV3700M                      ▶

   Position: ▲ ▼                                     Position: ▲ ▼
   Exit: SETUP                  Next: ◄ ▶            Exit: SETUP              Yes: ▲
```

1. Press SETUP on the programming remote, PD108-420.
2. From the SETUP menu, press ▲ or ▼ to highlight Cloning.
3. Press ► to select it.
4. Cloning menu will appear
5. Follow prompts on Cloning menu
6. Cloning Main Menu will appear after approximately 15 seconds.
7. Press ▲ or ▼ to highlight Restore Settings to TV.
8. Press ► to display a list of previously stored TV setups on the USB Disk.
9. Press ▲ or ▼ to highlight the file for the P19LCDC.
10. Press ► to select it. (The TV will shut off and turn back on automatically; this takes about 15 seconds).
11. Press ► to restore the settings to the TV. (Screen will turn black and LCD light will flash red during this process. Once process is complete LED light will change to blue and TV will return to the Cloning Main Menu with verification of "Successful cloning".)
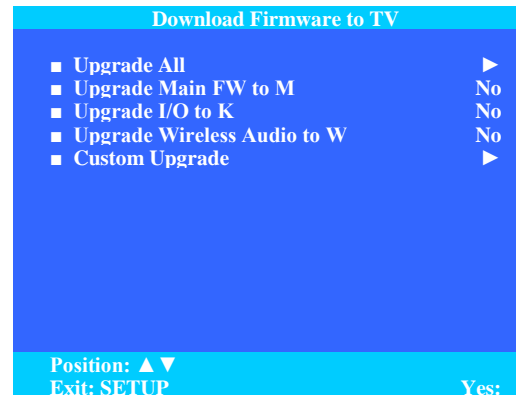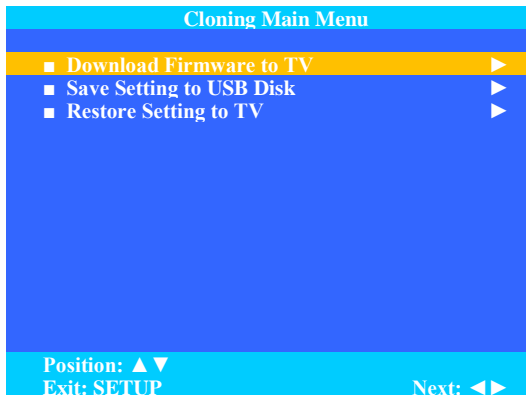
```
              Cloning Main Menu

   ■ Download Firmware to TV          ▶
   ■ Save Setting to USB Disk         ▶
   ■ Restore Setting to TV            ▶


   Successful cloning



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

12. Remove the USB Flash Drive and press SETUP to return to normal TV operation.

Firmware

The firmware for the model PDI-P19LCDC TV is field upgradeable, but normally does not require this process and should be performed by the hospital technician. A special data file is required from the PDI factory to complete this process. The file is posted on PDI Communication's web site: http://www.pdiarm.com/support/ Firmware files are written to the root directory of a blank USB Flash Drive, connected to the TV's Cloning port (See page 9), and updated using the TV's menus. Once complete, the TV settings must be reprogrammed.

1. Press SETUP on the programming remote, PD108-420.
2. From the SETUP menu, press ▲ or ▼ to highlight Cloning.
3. Press ► to select it.
4. Cloning Main Menu will appear.
5. Insert the USB Flash Drive into the cloning port of the P19LCDC.
6. When the cloning menu appears, press ▲ or ▼ to highlight Download Firmware to TV.
7. Press ► and Download Firmware to TV menu will appear.

Cloning Main Menu		Download Firmware to TV	
■ **Download Firmware to TV**	►	■ **Upgrade All**	►
■ **Save Setting to USB Disk**	►	■ **Upgrade Main FW to M**	No
■ **Restore Setting to TV**	►	■ **Upgrade I/O to K**	No
		■ **Upgrade Wireless Audio to W**	No
		■ **Custom Upgrade**	►
Position: ▲ ▼		**Position: ▲ ▼**	
Exit: SETUP	**Next: ◄►**	**Exit: SETUP**	**Yes:**

8. Press ▲ or ▼ to highlight Upgrade Main FW to M., Upgrade I/O to K, and Upgrade Wireless Audio to W.
9. Press ► to select YES or NO.
10. Press ▲ or ▼ to highlight Custom Upgrade.
11. Press ► to select.
12. OR press ▲ or ▼ to highlight Upgrade All.
13. Press ► to select it. The (Screen will turn black and LCD light will flash red during this process.
14. Once red light stops flashing, press the Power button on the SETUP remote to reboot the TV. The process is complete LED light will change to blue and TV will return to the Cloning Main Menu.
15. Press Setup to return to normal TV function.

## Optional DVD Module Operation

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⚠ **CAUTION: Disconnect the TV's AC Power Cord from the wall outlet before installing the DVD module. Failure to do so may result in catastrophic damage to the module and/or the TV.**

DVD Module Installation

NOTE: The PD251-005 DVD Module is designed for installation in the model PDI-P19LCDC TV. Installation in any other model TV is not supported.

Refer to the illustration below and follow the procedures below to install the DVD Module onto the LCD TV.

1. Disconnect the TV's AC Power Cord from the wall outlet.

2. Remove the Security Screw from the Filler Module.

3. Slide the filler Module out and remove it from the TV.

4. Locate the DVD Interface Ribbon Cable inside the TV's Cabinet. Extend the Ribbon Cable and attach to the PD251-005 DVD Module's recessed connector port located beneath the mounting ear.

5. Slide the DVD module into position taking care to insert the module's mounting feet into the keyed openings.
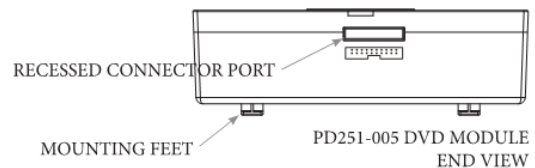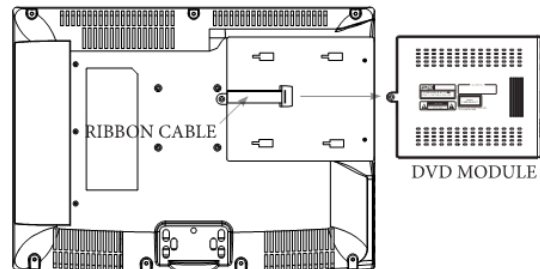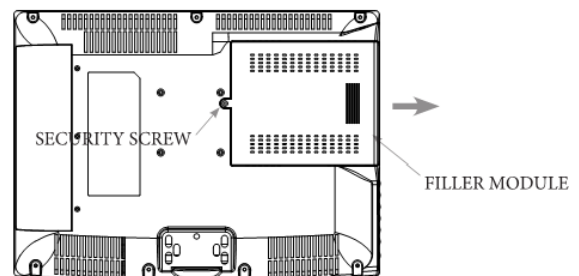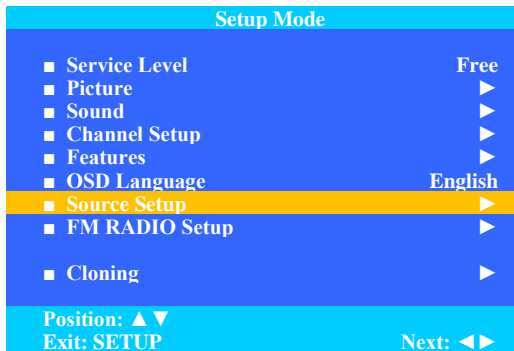
6. Secure the DVD module in place with the Security Screw.
7. Connect the TV's AC Power Cord.
8. Turn the TV on, and with the PD108-427 remote control (packed with DVD module), activate the Setup Menu.

SECURITY SCREW
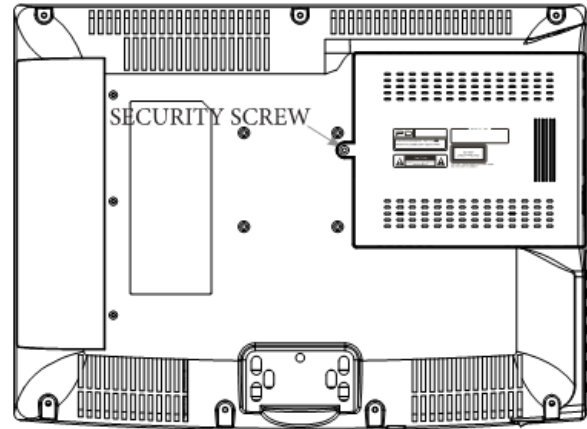
Enable DVD Module

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.

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

Source Setup	
■ TV	Enabled/APO
■ Composite Video	Disabled
■ S-Video	Disabled
■ Component	Disabled
■ HDMI	Disabled
■ PC-Analog	Disabled
■ FM Radio	Enabled
■ Slot 1	Enabled
■ Power On Source	TV
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

1. Plug the Power Cable into the wall outlet.
2. Turn on the TV.
3. Press SETUP on the programming remote, PD108-420.
4. From the SETUP menu, press ▲ or ▼ to highlight Sources.
5. Press ► to select it.
6. Press ▼ to highlight SLOT 1.
7. Press ◄ or ► to change the source status to Enabled.
8. To exit, press SETUP until the programming menus disappear.

DVD Playback

Basic Controls

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

> **NOTE:** *Some pillow speakers may not have all the DVD control functions that are listed below. (Consult pillow speaker manual.)*

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

Label side
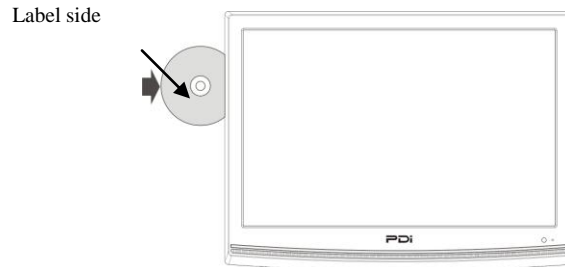
- Press the ▶ **Play** button to start playback.
  > **NOTE:** *Playback might start automatically when the disc is inserted.*
- During playback, press the ■**Stop** button once to stop playback and then press ▶ **Play** button to resume. Press ■**Stop** button twice to cancel Last Memory (Last Memory remembers the last place stopped on a disc, so it can be returned to by pressing Play.)
- During playback, press the ‖ **Pause** button once to pause the playback; press it repeatedly to start step-by-step playback and then press the ▶ **Play** button to resume normal playback.
- 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.
- With the Patient remote, use the number buttons to enter a desired chapter.
- 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.
  > **NOTE:** The FFD/RWD speeds are x2, x4, x8, x16, x32.
- Press the MUTE button to turn the sound on and off.
- VOL +/- to control the volume level.

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.
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 35 for a description of the menus and what categories and settings they contain.)
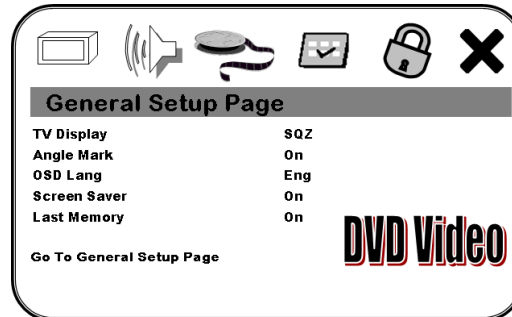
1. Press SETUP.
2. Press ◄ or ► to highlight the desired Setup Page.
3. Press OK to select it.
4. Press ▲ or ▼ to highlight the desired category selection.
5. Press OK to select it.
6. Press ▲ or ▼ to highlight the desired option.
7. Press OK to select it.
   NOTE: Some options may take you to an adjustable 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/Pb, 4:3/Lb, 16:9, Wide squeeze		Adjusts the aspect ratio of the image or video.
	Angle	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, German, Italian		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 Safe, 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

CD Playback

Basic Controls

1. If the SLOT 1 DVD source is not already displayed, press the **TV/AV** button on the TV or remote until it is displayed.
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.

Label side

4. Press the ▶ **Play** bu
   NOTE: Playback might start automatically with Track 1 when the disc is first inserted.
5. During playback, press the ■**Stop** button once to stop playback and then press ▶ **Play** button to resume.
6. 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.
7. During playback, press the ▶▶| button to go to the next track. Press the |◀◀ button once to return to the beginning of the current track; press it twice to go to the previous track.
8. The number buttons also can be used to enter track numbers.
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.
   NOTE: The FFD/RWD speeds are x2, x4, x8, x16, x32.
10. Press the MUTE button to turn the sound on and off.
11. VOL +/- to control the volume level.

Advanced CD playback features

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

Setting a track or whole CD to loop
1. Press the REPEAT button, at the bottom of the remote, to cycle through the selections: Track or All.
2. Stop pressing REPEAT when the desired selection appears on screen.

Skipping to a certain place on a CD
1. Press the GOTO button, at the bottom of the remote, to cycle through the selections: Disc Go To, Track Go To, or Select Track.
2. Stop pressing GOTO when the desired selection appears on screen.
3. Use the number buttons to enter the desired time or track.
   NOTE: Once a digit is entered, the next digit will be ready to be entered. There directional buttons WILL NOT work.

Adjusting Audio output
The audio output can be can be set four ways: stereo, mono left, mono right, or mix-mono
1. Press the AUDIO button, at the bottom of the remote, to cycle through the selections.
2. Stop pressing AUDIO when the desired selection appears on screen.

Viewing JPG photos on a USB drive, SD card or CD
Access USB/SD card
1. Insert SD card or USB into corresponding slots
2. Press CARD to Display menu
3. Press ▼ to highlight Media
4. Press ► to select it.
5. Press ▼ or ▲ to highlight SLOT 1 USB or SD
   NOTE: If one is inserted only one will appear.
6. Press OK

Access Photo CD
1. Press CARD to Display menu
2. Press ► to select Media
3. Press OK

View JPEG
1. Press ▼ or ▲ to highlight to highlight desired picture or folder
2. Press OK to select picture. Press OK or ► to access a folder.
   NOTE: *It may take a minute for pictures to show full screen.*
3. Press MENU to return to the selection window.

Control Slide Show
1. Basic controls
   a. >>| button. Forward to next picture
   b. |<< button. Go back to previous picture
   c. Pause. The displayed picture remains on screen. Slide show halts.
2. Rotate pictures. Use the directional buttons to rotate a picture.
   a. ▲= upside down. Press this button again to return picture to normal position
   b. ▼= turn around. Press this button again to return picture to normal position
   c. ►=clockwise
   d. ◄=counter-clockwise
3. Change how the slide show cycles through pictures
   Press REPEAT button again and again to cycle through Shuffle, Repeat All, Random, Repeat One, and Single

Selecting Thumbnail Photos
You can stop the slide show and select an individual photo by entering a thumbnail screen
1. While slide show is playing, press STOP access a thumbnail menu
2. Press ◄ or ► to highlight thumbnail photo
3. Press OK to select it

Selecting More Thumbnails
If there are many photos stored in the file you are viewing, not all the thumbnails for them will appear at the same time. Use the following steps to view more of them.
1. Press ▼ to access bottom menu items
2. Press ◄ or ► to highlight Prev. or Next
   a. Prev. – previous set of thumbnails
   b. Next –next set of thumbnails
3. Press OK to select it

Other Thumbnail Screen Controls
1. Press ▼ to access lower menu items
2. Press ◄ or ► to highlight Slide Show or Menu
   a. Slide Show – return to slide show
   b. Menu – read-only menu with instructions for basic controls
3. Press OK to select it

Limited Warranty

PDI Communication Systems Inc., ("PDI") warrants, to the original purchaser only, that the PDI-P19LCDC 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.

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