PDi

Owner's Manual

23" WIDE HOSPITAL GRADE LCD TV

Model: PDI-P23LCD

Warnings

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

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

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

NOTE TO CABLE TV INSTALLER
This reminder is provided to call the cable TV systems installer's attention
to Article 820-40 of the National Electrical Code. The code provides
guidelines for proper grounding and, in particular, specifies that the cable
ground shall be connected to the grounding system of the building, as
close to the point of the cable entry as practical.

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

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

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

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

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

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.

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

POWER
This television operates from nominal 115 Volt AC line voltage. Do not attempt to power this TV using a coaxial cable that carries low voltage power as damage may result to the TV. 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.

REGULATORY INFORMATION
FCC
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential or commercial installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of more of the following measures:

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

Underwriters Laboratories
The model PDI-P23LCD Hospital Grade LCD TV is a specialized LCD television. This TV is intended for entertainment and educational purposes for use in a hospital, a nursing home, a medical-care center, or a similar health-care facility in which installation is limited to a non-hazardous area in accordance with the National Electrical Code, ANSI/NFPA70.

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

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do no block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat source such as radiators, heat registers, stove, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the hospital grounding-type plug. A hospital plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

PORTABLE CART WARNING

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.

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DISCLAIMER

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Contents

Supplied Accessories

The following accessories are provided with the product.

1. AC Cord

2. Owner's manual

   Owner's Manual

   27" WIDE HOSPITAL GRADE LCD TV

   Model PDI-P23LCD

3. Mounting Brackets & Hardware
   (Not included with the "-NB"model)
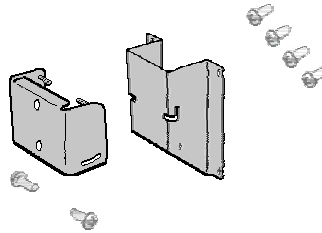
4. Pillow Speaker Jumper
   (Not included with the "-NB"model)
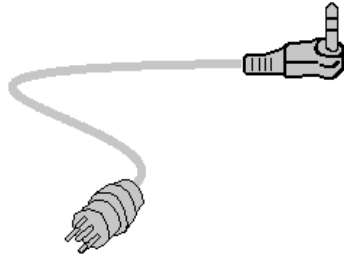
Controls

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

2. MENU Displays a menu.

3. + CH - (Program Up/Down) Selects a channel or menu item.

4. + VOL - (Volume Up/Down) Adjusts the volume or menu settings.

5. TV/AV Selects TV, VIDEO, S-VIDEO, RADIO (Only when the Radio is set to On), PC ANALOG, PC DIGITAL or DTV mode. Clears the menu from the screen.

6. Remote Control Sensor Accepts the IR signal of remote control.

7. Power Indicator Illuminates in red when the TV is OFF. Illuminates in green when the TV is ON. Illuminates in amber when the power save mode is active (only PC mode).
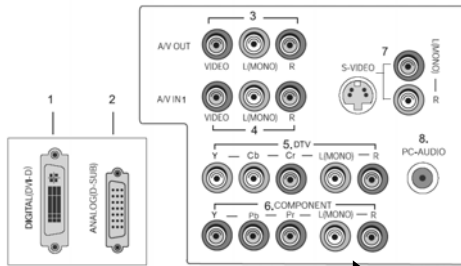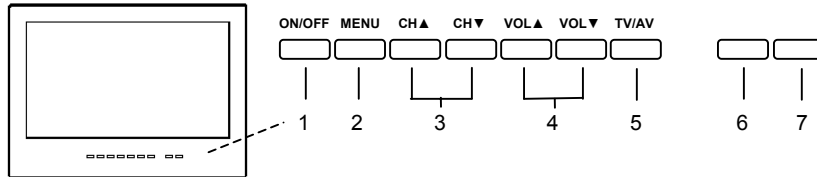
1. PC DIGITAL IN (DVI-D)

2. PC ANALOG IN (D-SUB)

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

4. AV IN Connect the Audio/Video outputs of external equipment to these inputs.

5. DTV IN

6. COMPONENT IN

7. S-VIDEO IN Connect the output of the S -VIDEO on the VCR to the S-VIDEO input. Connect the audio outputs of the S-VIDEO on the VCR to the Audio IN (L(MONO), R).

8. PC AUDIO IN Connect the audio cable from the PC to the PC AUDIO IN of the set.

9. PILLOW Pillow Speaker Port.

10. COMM CCI/Cloner Comm Port.

11. SPK On Off switch for the internal TV speakers and H/P jack.
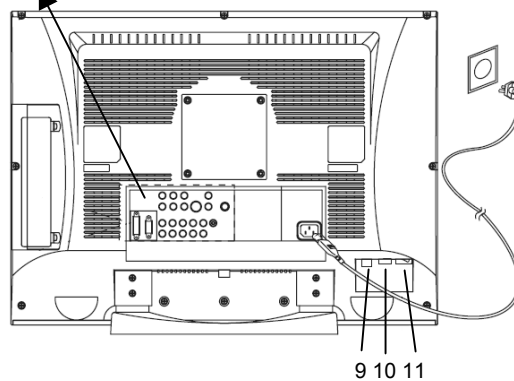
Controls

All the functions can be controlled with the remote control. Some functions can also be adjusted with the buttons on the front panel of the set. NOTE: A remote control is NOT packed with each TV. The remote control must be ordered separately.

Remote control

Before you use the remote control, please install the batteries.

1. POWER
Turns the TV ON or OFF.

2. MUTE
Turns the sound on and off.

3. NUMBER buttons
Selects channel numbers.

4. TV/AV
Selects TV, COMPONENT, VIDEO, S-VIDEO, RADIO(Only with the Radio enabled), PC ANALOG, PC DIGITAL or DTV mode. Clears menu from the screen.

5. MENU
Displays a main menu.

6. LIST
Displays the program list menu.

7. SAP
Adjusts the MTS-STEREO, MONO, SAP.

8. SLEEP
Sets the sleep timer.

9. Q.VIEW
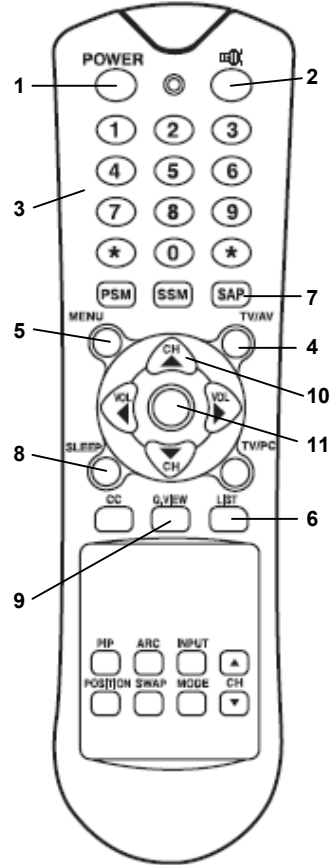Returns to the previously viewed channel.

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

11. OK
Accepts your selection or displays the current mode.

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Controls

12. VOL▲ ▼ (Volume Up/Down)
Adjusts the sound level. Adjusts menu settings.

13. TV/PC Selects TV or PC mode directly.
14. PSM (Picture Status Memory)
Recalls your preferred picture setting.
15. SSM (Sound Status Memory)
Recalls your preferred sound setting.

16. ARC You can watch TV in various picture formats; **16:9, 14:9, 4:3, 16:9 Zoom, 14:9 Zoom, 4:3 Zoom.** Repeatedly press the **ARC** button to select your desired picture format. **Note:** In PC mode only 16:9 and 4:3 sized displays available.

17. CC Set the closed caption function.

18. INPUT
Selects the AV source for sub picture in PIP mode.

19. PIP
Displays a PIP(Picture In Picture) screen.
The PIP function is available in PC Analog, PC Digital or DTV mode.

20. POSITION Selects a position of PIP screen.

21. SWAP Switches a main picture for sub picture in PIP mode. The PIP screen will disappear after pressing the SWAP button.

22. MODE Selects a PIP screen size – 16:1, 9:1 and 3:1 mode.

23. ▲CH ▼ Selects a channel when TV signal is displayed in PIP window mode.
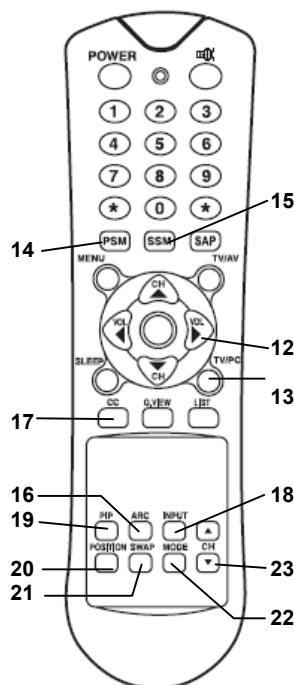
Battery installation
Inserting batteries
1. Remove the battery cover by pulling it upward in the direction shown by the arrow.
2. Insert the batteries with correct polarity ("+" to "+", and "-" to "-").
3. Replace the battery compartment cover.
  * Install two high-quality 1.5V "AAA" alkaline batteries. Don't mix old batteries with new batteries.
  * Remove batteries when you won't use the remote controller for a long time. Liquid leakage from old batteries may cause operation failure.
Notes for using remote controller
- Make sure there are no objects between the remote controller and its sensor.
- Don't place the remote control near a heater or in damp place. Strong impact to the remote control may cause operation failure.
- Signal from the remote control may be disturbed by sunlight or other bright lights. In this case, darken the room or move the TV.
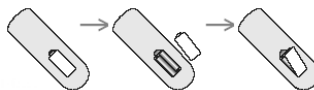
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INSTALLATION

Location Guidelines

The model PDI-P23LCD Hospital Grade LCD TV is a specialized LCD television. This TV is intended for entertainment and educational purposes for use in a hospital, a nursing home, a medical-care center, or a similar health-care facility in which installation is limited to a non-hazardous area in accordance with the National Electrical Code, ANSI/NFPA 70.

The PDI-P23LCD is capable of being mounted with several commercially available mounting brackets utilizing the 100 mm VESA hole pattern. The PDI-P23LCD TV mounts at the foot of a patient's bed with the supplied bracket. Select a location that is near an AC wall outlet and that does not expose the TV to bright room lights or sunlight if possible. The LCD TV also requires connection of both CATV cable signal and across-room wiring for the pillow speaker.

OSHPD (State of California Only)

The combined weight of the PDI-P23LCD TV and wall mount totals less than 20 pounds. At the time of this writing, the involvement of a written, submitted, reviewed, and approved plan by OSHPD is not required to install the PDI-P23LCD TV in the state of California.

Cable System Grounding

The coax cable system connected to the PDI-P23LCD TV should be grounded in accordance with the National Electrical Code, ANSI/NFPA 70. The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

INSTALLATION

Wall Mounting TV with the Supplied Bracket

1. Refer to Figure 1. Select a location on the wall 7½ inches or greater below the ceiling. Position the Wall Bracket and locate two mounting holes. Secure the bracket to the wall (mounting hardware is not included).

2. Refer to Figure 2. Position the Back Mount on the LCD TV cabinet. Attach with four M4 screws provided.

3. Mate the Back Mount to the Wall Bracket making sure the pivot bolts are retained in the "L" shaped slot. 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 tighten.

7 ½"

P23LCD
23 ¾" W x 17 ½" H

Wall Bracket
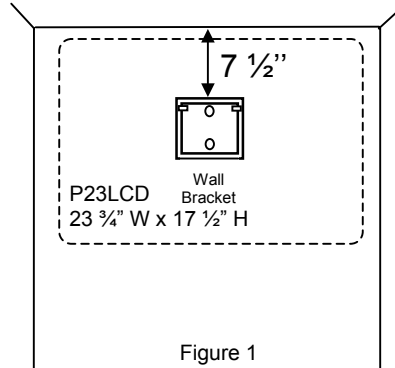
Figure 1

INSTALLATION

Exploded View

Back Mount

M4 Screws (4)

Wall
Bracket

CATV Coax Connector
(Coax Not Shown)

Pilfer Screws (2)

AC Power Cord

Pillow Speaker Jumper
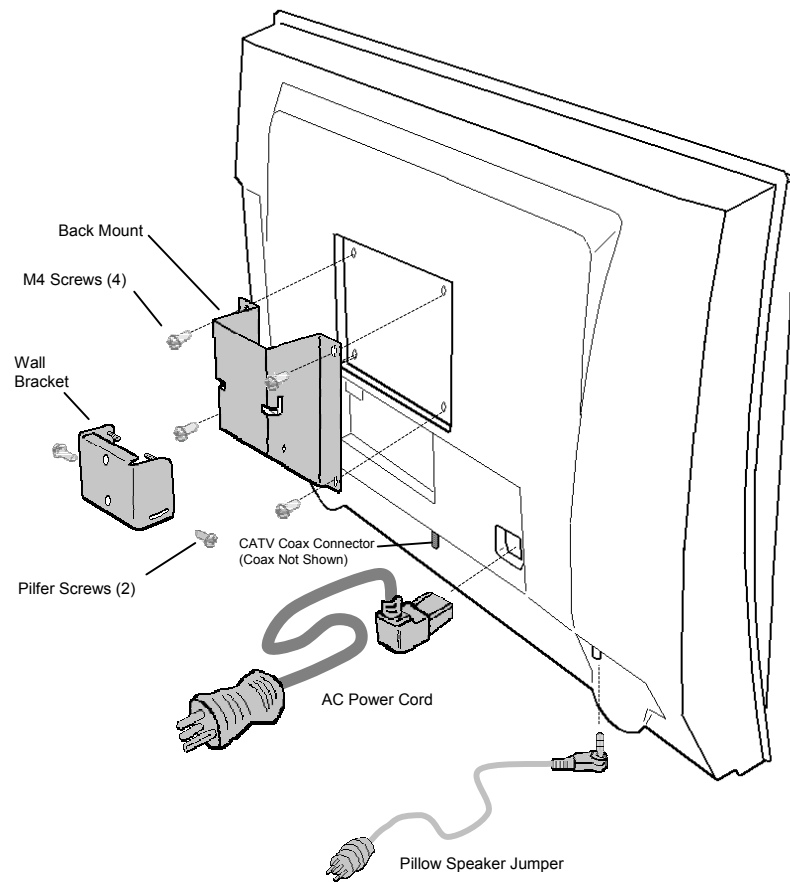
Figure 2

INSTALLATION

Across-Room Wiring

A ¼" stereo style pillow speaker (pendant control) jack is located on the TV's connector panel on the backside. The PDI-P23LCD is designed to work with either a digital pillow speaker or a single-button analog (switch-style) pillow speaker. The PDI-P23LCD also supports certain style pillow speakers with a number pad for direct channel access. The following pillow speakers have been tested with the PDI-P23LCD. Please contact the pillow speaker vendor directly for an additional listing of models and available options.

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

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

> ⚠ **WARNING:** DO NOT connect the pillow speaker circuit Common to earth ground. Grounding of the Common will defeat the isolation circuitry of the PDI-P23LCD and possibly expose the patient to harmful shock currents should a wiring fault occur.

Optional Jumper

SPEAKER
DATA / SWITCH
COMMON

SPEAKER
COMMON
DATA / SWITCH

Supplied Jumper

ACROSS ROOM WIRING
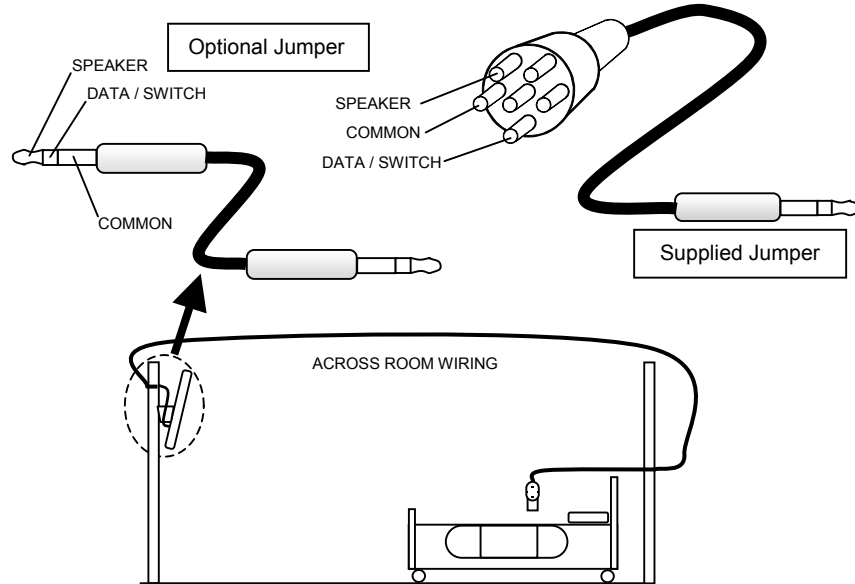
Basic Operation

Turning the TV On and Off
The AC power cord must be plugged into a powered AC wall outlet and connected to the TV. A LED indicator will light RED on the front panel of the TV indicating proper AC power to the television.
1. If the TV is OFF, press the **POWER** button on the remote control or the TV's **ON/OFF** button to turn the TV ON. The LED indicator lights Green.
2. Press the **POWER** button again on the remote control or the TV's **ON/OFF** button to turn the TV OFF. The LED indicator lights Red when the TV is turned OFF.

Channel Selection
You can select a different channel with the **CH▲▼** button or NUMBER buttons.

Volume Adjustment
Press the **VOL▲▼** button to adjust the sound level.

Quick View
Press the **Q.VIEW** button to view the last channel you were watching.

Sound Mute Function
Press the **MUTE** button. The sound is switched off and the mute symbol appears on the screen.

To cancel sound mute, press either the **MUTE** button again, **VOL▲▼,** or **SSM** button.

On screen menu language selection
The menus can be displayed on the screen in desired languages. First, select your language.

1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Select the **Language** menu.
4. Press the **CH▲▼** button to select your desired language.
5. Press the **TV/AV** button to exit.

All the on screen displays will appear in the selected language.

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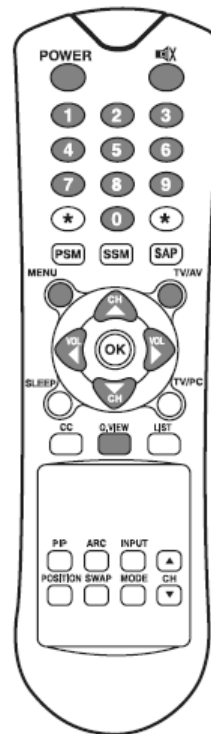
On Screen Menus and Displays

Main Menu

Picture	▶
Sound	▶
Special	▶
Setup	▶
Service Setup	▶

Position :▲▼ Next :◄►
Exit : TV/AV

Menu navigation

1. Press the **MENU** button to display main menu.
2. Press the **CH▲▼** button to select menu's Picture, Sound, Special, Setup, Service Setup.
3. Adjust each menu with the **VOL◄►** button.
4. Press the **MENU** button to return to preceding Menu.
5. Press the **TV/AV** button to exit.

Picture

Contrast	90
Brightness	80
Color	70
Sharpness	90
Tint	0

Position :▲▼ Adjust : ◄►
Back : MENU Exit : TV/AV

Sound

Equalizer	▶
Balance	0
AVL	Off
Surround	Off
Sound Mode	STEREO
Minimum Volume	0
Maximum Volume	100
Power on Volume	Last

Position :▲▼ Next :◄►
Back : MENU Exit : TV/AV

Special

Clock	
Blue Back	Off
Auto Sleep	Off
Lock	Off
Radio	Off
Auto Power On	Off
Power Management	Off
Bed A/B	A

Position :▲▼ Next :◄►
Back : MENU Exit : TV/AV

Setup

Auto program	▶
Manual program	▶
Language	▶
Parental Control	▶
Caption	Off

Position :▲▼ Next :◄►
Back : MENU Exit : TV/AV

Service Setup

Power on Channel	▶
Clear Service Level	▶
Copy Service Level	▶
Service Level	Free
Channel Lock	Off
Channel Memory Override	Off
Power on Captions Mode	Off

Position :▲▼ Next :◄►
Back : MENU Exit : TV/AV

Copy Service Level

From:Free   To:Basic

Position :▲▼ Adjust : ◄►
Back : MENU Exit : TV/AV

Clear Service Level

Free	Blank
Basic	Blank
Premium	Blank

Position :▲▼ Adjust : ◄►
Back : MENU Exit : TV/AV

Equalizer

Flat
Music
Movie
Speech
User

0.1 0.5 1.5 5.0 10KHz

Position :▲▼ Adjust : ◄►
Back : MENU Exit : TV/AV

Clock

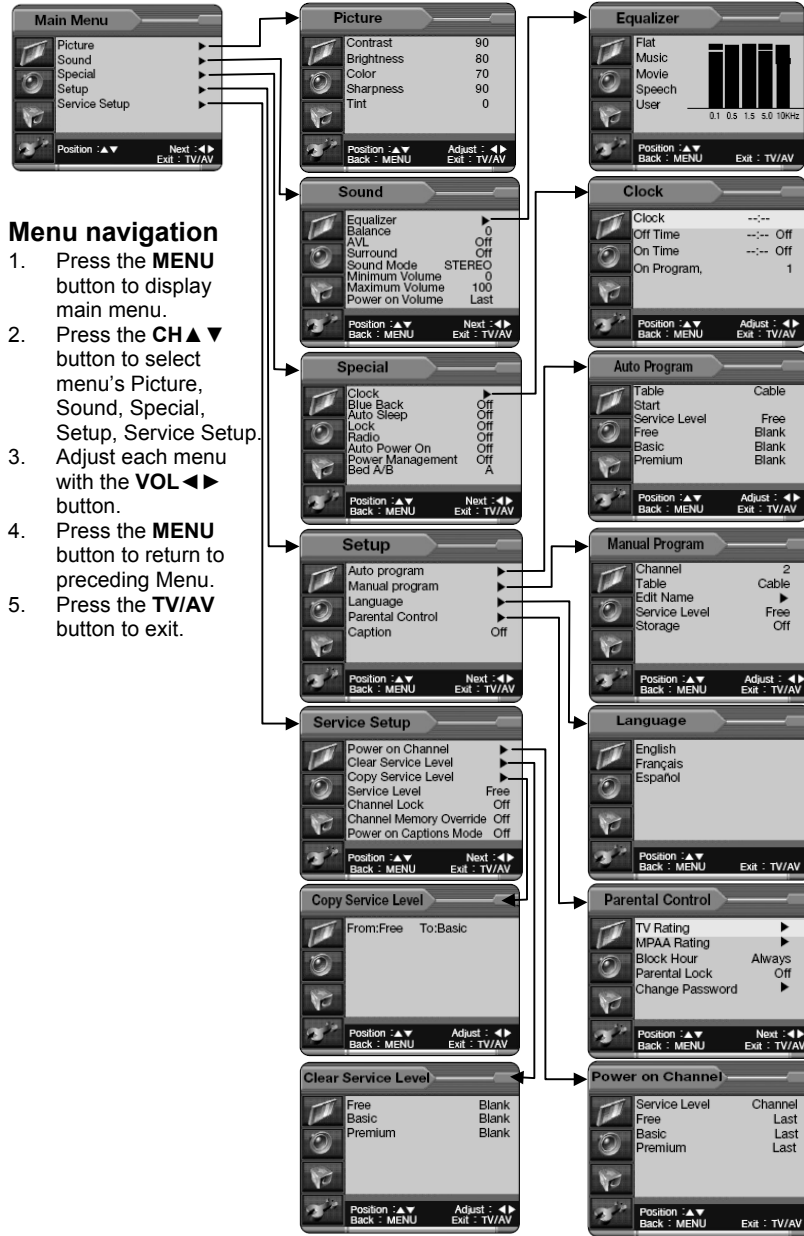|	
Clock	--:--
Off Time	--:-- Off
On Time	--:-- Off
On Program,	1

Position :▲▼ Adjust : ◄►
Back : MENU Exit : TV/AV

Auto Program

Table	Cable
Start	
Service Level	Free
Free	Blank
Basic	Blank
Premium	Blank

Position :▲▼ Adjust : ◄►
Back : MENU Exit : TV/AV

Manual Program

Channel	2
Table	Cable
Edit Name	▶
Service Level	Free
Storage	Off

Position :▲▼ Adjust : ◄►
Back : MENU Exit : TV/AV

Language

English
Français
Español

Position :▲▼
Back : MENU Exit : TV/AV

Parental Control

TV Rating	▶
MPAA Rating	▶
Block Hour	Always
Parental Lock	Off
Change Password	▶

Position :▲▼ Next :◄►
Back : MENU Exit : TV/AV

Power on Channel

Service Level	Channel
Free	Last
Basic	Last
Premium	Last

Position :▲▼
Back : MENU Exit : TV/AV

Setting up TV Channels

Three different Service Levels (banks) are available to hold channels, Free, Basic, and Premium. Channels can be programmed using either an Automatic or Manual method.

Auto Program

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

1. Press the **MENU** Button on the remote.
2. Select the TV cable system in your hospital with the **VOL ◄►** button.
    Table = V/UHF is used for a cable system that has a master antenna and usually can only receive local TV stations.
    Table = Cable is used when a hospital cable system has both local and satellite TV channels available. Table = Cable is most common in hospital TV cable systems.
3. Select the desired **Service Level** to be programmed. Now, select **Start** with the **CH▲▼** button.
4. Press the **VOL ◄►** button to start Auto Programming. The TV will now search all available channels looking for signals and memorizing those channels that are active into the selected **Service Level**. Occasionally, strong over-the-air stations sneak onto cable system. To remove unwanted channels see **Manual Program**.
5. Press the **MENU** button to finish auto programming.
6. Press **TV/AV** button to return to normal TV viewing.

NOTE

*   Press the **CH▲▼** buttons to check the memorized channels after auto programming is finished.
*   If you press the **MENU** button during auto programming, the function will stop and only channels programmed up to that point in time will remain.
*   Auto programming only memorizes active channels. A hospital educational channel may not be actively playing a video tape and that channel would not be memorized using auto programming. See the Manual Program section for adding or deleting channels.


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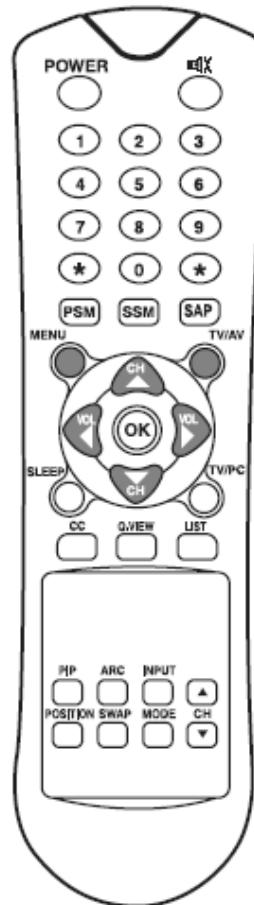
Setting up TV Program

Manual Program

Manual Program allows you to manually add or delete channels within a particular Service Level and also add or edit channel name labels.

1. Tune to the channel you wish to add or delete. Press the **MENU** button.
2. Select the **Setup** menu.
3. Select the **Manual Program** menu.
4. Press the **VOL◄►** buttons or directly enter the channel numbers using the remote control.
5. Press the **CH▲▼** button to select **Table**.
6. Press the **CH▲▼** button to select **Edit Name** and press the **VOL◄►** button repeatedly to edit the channel's name label. You can use the numeric 0 to 9, the alphabet A to Z (Capital or lower case), a blank, and hyphen (-).
7. Select **Storage** On or Off with the **VOL◄►** button. With **Storage On**, the current channel will be stored into the currently selected TV's Service Level and made available for viewing by the patient. With **Storage Off**, the current channel will be removed from the currently selected TV's Service Level memory and not be available for patient viewing. However, the deleted channel can still be viewed by directly entering the channel's number using the IR remote control's keypad.
8. Press the **TV/AV** button to return to normal TV viewing.
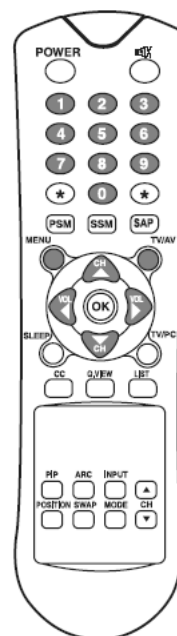
Program List

Program List shows a table of currently programmed channels in the television's memory. Free, Basic, and Premium service levels are shown together for comparison. Program List is read-only information, but allows selection of the currently highlighted channel if desired. Editing of channels must be done using either Auto Program or Manual Program.

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Picture Control

You can adjust the picture **Contrast**, **Brightness**, **Color**, **Sharpness** and **Tint** to the levels you prefer or use preset factory settings.

Picture

1. Press the **MENU** Button.
2. Select the **Picture** menu.
3. Press **CH▲▼** buttons to select a picture item.
4. Press the **VOL◄►** buttons to adjust the picture setting as desired.
5. Press the **TV/AV** button to exit and store the current User settings.

Picture	
Contrast	90
Brightness	80
Color	70
Sharpness	90
Tint	0

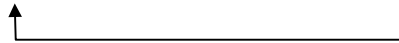Position :▲▼   Adjust : ◄►
Back : MENU   Exit : TV/AV

PSM (Picture Status Memory)

Preset factory picture settings are available using the **PSM** button on the remote control.
1. Press the **PSM** button.
2. Press the **PSM** button repeatedly to select a different setting. Each press of the button changes the screen display as below.

Dynamic → Standard → Mild → Game → User

- **Dynamic**: Vivid Picture Appearance
- **Standard**: Standard Picture Appearance
- **Mild**: Softer Picture Appearance
- **Game**: External Video Game Picture Setup
- **User**: Manual Picture Setup

Note: In PC mode, **PSM** allows changing of the display's color temperature between either 9300K (bright colors) and 6500K(soft colors).

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Sound Control

You can select factory preset sound responses - Flat, Music, Movie, Speech or create a custom User sound response using the **Equalizer** menu.

Equalizer

1. Press the **MENU** button on the remote.
2. Select the **Sound** menu.
3. Press the **CH▲▼** button and select **Equalizer**.
4. A listing of available frequency bands and current settings will be displayed.
5. The Flat, Music, Movie, and Speech settings are factory preset sound modes and cannot be adjusted. Select **User** to adjust and customize the sound equalization.
6. Press the **VOL◄►** button to select the desire sound ban.
7. Press the **CH▲▼** to select the strength of sound for that particular sound band. Alternately, press **VOL◄►** to select the next desired sound band and adjust with the with the **CH▲▼ buttons.**
8. Press the **MENU** button to return to the preceding menu and the **TV/AV** button to return to normal TV viewing.

SSM (Sound Status Memory)

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

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

Flat → Music → Movie → Speech → User

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

Balance

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

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

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Sound Control

AVL (Automatic Volume Level)

Automatic Volume Level automatically limits the volume level to two-thirds of maximum loudness. This feature prevents sound blasting during commercials.

1. Press the **MENU** button.
2. Select **Sound** from the menu.
3. Press the **CH▲▼** button and select **AVL**.
4. Press **VOL◄►** to select **On** or **Off**.
5. Press the **MENU** button to return to the preceding Menu and the **TV/AV** button to return to normal TV viewing.

Sound Mode

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

1. Press the MENU button.
2. Select Sound from the menu.
3. Press the CH▲▼ button and select Sound Mode.
4. Press VOL◄► to select the type of sound generated by the television TV.

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

5. Press the **MENU** button to return to the preceding Menu and the **TV/AV** button to return to normal TV viewing. Alternately, the type of sound can be set using the remote control's **SAP** button.

Maximum Volume

Sets a limit to the absolute loudness the patient may raise the volume.

1. Press the **MENU** button.
2. Select **Sound** from the menu.
3. Press the **CH▲▼** button and select **Maximum Volume**.
4. Press the **VOL◄►** button to the allowable maximum volume level. The factory default is 100.

Minimum Volume

Sets a limit to the minimum loudness the patient may lower the volume. Setting the Minimum Volume to a level greater than 0, may lessen nuisance calls to hospital maintenance for "No Sound" complaints.

1. Press the **MENU** button.
2. Select **Sound** from the menu.
3. Press the **CH▲▼** button and select **Minimum Volume**.
4. Press the **VOL◄►** button to determine allowable minimum volume level. The factory default is 0.

Power on Volume

The TV always turns on at this preset volume. The factory default is LAST volume.

1. Press the **MENU** button.
2. Select **Sound** from the menu.
3. Press the **CH▲▼** button and select **Power on Volume**.
4. Press the **VOL◄►** button to determine your preferred Power ON Volume.

Special Functions

Clock

Setting the Clock is necessary in order to use the various timer features of the TV. The TV can be programmed to turn itself On and Off at specified times. NOTE: On screen time display is not available with this model television.

1. Press the **MENU** button.
2. Press the **CH▲▼** button to select the **Special** menu.
3. Then press the **VOL◄►** button to select the **Clock** menu.
4. Set **Clock** to the present time using the **VOL◄►** and **CH▲▼** buttons. Time is expressed in a 24 hour format only.
5. Press the **CH▲▼** button to select **Off Time**.
6. Set the TV **Off Time** using the **VOL◄►** and **CH▲▼** buttons. The TV will turn itself Off at this time.
7. Press the **CH▲▼** button to select **On Time**.
8. Set the TV **On Time** using the **VOL◄►** and **CH▲▼** buttons. The TV will turn itself On at this time.
9. Press the **CH▲▼** button to select **On Program**. You can select the first displayed channel with the **VOL◄►** button when the set is first switched on automatically.
10. Press the **TV/AV** button to return to normal TV viewing.

Note. The **Clock** must be set to the present time for the clock functions to operate.

Blue Back

If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background.

1. Press the **MENU** button.
2. Press the **CH▲▼** button to select the **Special** menu.
3. Press the **CH▲▼** button to select the **Blue Back** menu.
4. Then press the **VOL◄►** button to alternately turn **Blue Back** On or Off

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Special Functions

Auto Sleep

If you select **Auto Sleep On** the set will automatically turn itself Off approximately ten minutes after a TV Channel stops broadcasting. This setting helps reduces power consumption.

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

Lock

Lock menu disables the Menu and TV/AV buttons on the front panel of the set to prevent unauthorized patient or visitor tampering with the TV's settings.

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

NOTE: With Lock On, the IR remote control will be the only means to access the TV's menu system.

Radio (Enabling)

You can listen to FM radio with the TV's internal radio provided FM station signals are present on the hospital's cable TV system.

1. Press the **MENU** button.
2. Press the **CH▲▼** button to select the **Special** menu. Then press the **VOL◄►** button.
3. Press the **CH▲▼** button to select Radio.
4. Press the **VOL◄►** button to select Radio **On** or **Off**.

Note. When the setting is **On**, the radio is accessed using the TV/AV mode button. See *Radio Mode* elsewhere in this manual for details regarding programming radio stations into the TV.

ARC (Aspect Ratio Control)

You can watch TV in various picture formats (ratios); 16:9, 14:9, 4:3,16:9 Zoom, 14:9 Zoom, 4:3 Zoom. Repeatedly press the **ARC** button on the remote control to select your desired picture format. The current format is displayed momentarily at the bottom left of the screen. NOTE: ARC adjustments can only be accessed using the remote control.

16:9 Expands the normal TV's 4:3 aspect ratio up to the full 16:9 size capability of the display screen.

14:9 The screen 14:9 is viewed just like that the screen 4:3, but is magnified in the upper/lower and left/right edges of the screen.

4:3 The TV picture format for standard TV.

16:9 Zoom Magnifies the size of the picture on screen 16:9.

14:9 Zoom Magnifies the size of the picture on screen 14:9.

4:3 Zoom Magnifies the size of the picture on screen 4:3.

Note. In **Zoom** mode, you can adjust the position of the picture with **CH▲▼** button.

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Special Functions

Auto Power on

The TV will turn On and stay On whenever electrical power is applied to the set. This feature is useful for activating the TV through a switch controlled wall outlet. When the wall switch is turned On and powers the outlet, the TV turns On also.

1. Press the **MENU** button.
2. Press the **CH▲▼** button to select the Special menu. Then press the VOL◄► buttons.
3. Press the **CH▲▼** button to select Auto Power On.
4. Press the **VOL◄►** button to select Auto Power On, On or Off.

Power Management

The TV will automatically power itself Off after a specific period of inactivity. This feature is useful for the sleeping patient or custodial staff that might leave the TV running.

1. Press the **MENU** button.
2. Press the **CH▲▼** button to select the Special menu. Then press the **VOL◄►** buttons.
3. Press the **CH▲▼** button to select Power Management.
4. Press the **VOL◄►** button to determine active time before shutting off.

Bed A/B

This feature allows independent control of two televisions mounted in close proximity to each other via a de-featured handheld patient remote control. Bed A/B sets the TV's remote control code format for use with the PD108-310 patient remote. The patient remote must also be set to the correct Bed code for proper operation.

1. Press the **MENU** button.
2. Press the **CH▲▼** button to select the Special menu. Then press the **VOL◄►** buttons.
3. Press the **CH▲▼** button to select Bed A/B.
4. Press the **VOL◄►** button to select remote control A or B.

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Parental Control

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

TV Rating

Most television programs are now rated. TV Rating allows the TV to selectively present only program content that is unblocked per its preset level. A program that is blocked displays a black screen with a small title in the center stating the program's TV Rating. Set the TV Rating using the remote control.

1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Press the **CH▲▼** button to select the Parental Control, then press the **VOL◄►** button.
4. The Enter Password screen will appear if Parental Lock has been turned On. Enter your 4-digit password.
   Note: The default Input password for a new TV set is "0000".

5. After entering a valid password, the "Parental Control" screen will appear.
6. Use the **VOL◄►** buttons to select the TV Rating. Then press the **CH▲▼** buttons to select one of the six age-based categories in a column.
   Note: These categories consist of two separate groups: TV-Y and TV-Y7 (young children through age 7), and TV-G through TV-MA (everybody else). The restrictions for these two groups work independently: If viewers include very young children as well as young adults, the TV Rating is set separately for each age group. (See next step)
7. At this point, one of the TV-Ratings is selected. Depending on your existing setup, a letter "U" or "B" will be highlighted (U=Unblocked, B=Blocked). While the "U" or "B' is highlighted, press the **CH▲▼** buttons to block or unblock the category.
   Note 1: The TV-Y7, TV-PG, TV-14 and TV-MA have additional options. See the next step to change any of the following sub-ratings:

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

   Note 2: The TV will automatically block certain categories that are "more restrictive" For example, if you block the "TV-Y" category, then TV-Y7 will automatically be blocked. Similarly, if you block the TV-G category, then all the categories in the "young adult" group will be blocked (TV-G, TV-PG, TV-14 and TV-MA). The sub-ratings (D, L, S, V) work together similarly.

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Parental Control

8. How to set the FV, D, L, S and V sub-ratings.
    First, select one of these TV-Ratings: TV-Y7, TV-PG, TV-14 or TV-MA.
    Next, while the TV-Rating is selected, repeatedly press the **VOL** buttons. This will cycle through the available sub-ratings (FV, L, S, D or V). A highlighted letter ("U" or "B") will be displayed for each sub-rating. While the "U" or "B" is highlighted, press the **CH** buttons to change the sub-rating. To select a different TV-Rating, press the **CH** buttons with the cursor in the first column.
    Press the **MENU** buttons once to save the TV Rating.

Note: The television will automatically block certain categories that are "More restrictive". For example, if you block the "L" sub-rating in TV-PG, then the "L" sub-ratings in TV-14 and TV-MA will automatically be blocked.

MPAA Rating
The MPAA rating system uses the Motion Picture Association of America (MPAA) system, and its main application is for movies.
1. The MPAA Rating menu have the same step up to Special menu.
2. Press the **VOL◄►** buttons to select the MPAA Rating at the Special menu.
3. Repeatedly press the **CH▲▼** buttons to select a particular MPAA category.
4. Press the **VOL◄►** button to select "U" or "B".
5. Press the **TV/AV** button to save the settings and to clear all screens.

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

Block Hour
Block Hour sets the hours you want Parental Control Active.
(1~99 Hours, Always).

Parental Lock
With Parental Lock On, the Parental Control function is active.

Change Password
1. If you want to change password, select the Change Password menu.
2. Then enter your new password.
Re-enter the same 4 digits. Press the **OK** button to memorize your new password.

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Glossary and Rating

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 Guidance Suggested	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	Restricted Viewing	Not for children under age 17 under any circumstances. Strong sexual content.
X	Hard Cord Films	Same as NC-17 rating.
No Rating	No Rating	MPAA Not Rated.

TV PARENTAL GUIDELINE RATING SYSTEM

Grade		Meaning
TV-Y	Children	Considered suitable for all children under 7 years old.
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 unde 14, may contain: Strong Dialog, Bad Lnaguage, Sex, and Violence Scenes.
TV-MA	Mature Audience Only	Adults only, may contain: Strong Dialog, Bad Language, Sex, and Violence Scenes.

Other Functions

PIP Function

PIP provides viewing two separate source inputs on your TV screen at the same time. PIP can only be activated and controlled using the remote control.

Viewing the PIP Picture

Press the **PIP** button on the remote control. Press the **PIP** button on the remote control again, to turn PIP off.
Note: The PIP function is only available when the main picture is in PC Digital, PC Analog, DTV mode.

Selecting the PIP Picture Mode

Press the **MODE** button to adjust the PIP picture size. Each press of the **MODE** button will progressively increase the PIP picture size from small to medium to large and then back to small.

Moving the PIP Picture

Press the **POSITION** button to move the position of sub picture in PIP mode to a different corner of the screen.

Switching Between Main and Sub Picture

Press the **SWAP** button to switch the main picture to the sub picture. **NOTE:** SWAP causes the television to exit the PIP mode.

Viewing the External Source Input

Press the **INPUT** button to change the input source of sub picture in PIP mode.

Changing PIP Channels

In PIP TV mode, press the **CH▲▼** buttons to change the channel shown in the sub picture.

Closed Caption

Closed captions allow viewers to read the dialogue and narration of TV programs. To activate Closed Captioning:
1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Press the **CH▲▼** buttons to select the **Caption** menu.
4. Each time you press the **VOL◄►** button, the caption mode is displayed one by one as show below.

Off →CC1→CC2→TEXT2→TEXT1
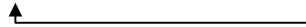
Press the **TV/AV** button to exit and return to normal TV viewing. Alternately, the captions can be set using the remote control's **CC** button.
HINTS
- Closed captions will only appear if the TV program has been encoded with closed captioning information.
- Text modes may display a solid black box in the center of the TV's screen when activated.
- CC1 is the most common closed caption setting.

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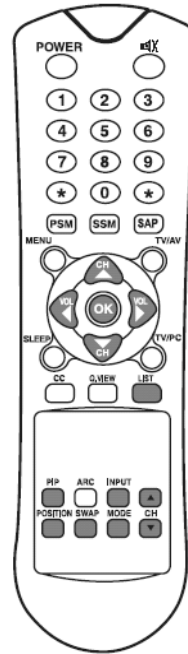
Service Setup

Power On Channel

The Power on Channel is used to determine the start up channel of each service level when the TV turns On. This setting is useful for display of hospital welcome channels.

1. Press the **MENU** button to select the **Service Setup** menu.
2. Press the **CH▲▼** button to select the Power on Channel menu. Then press the **VOL◄►** buttons.
3. You can set the channel for each service level with **CH▲▼** or **VOL◄►** buttons.

Note: If Power On Channel is set to "Last", the TV will tune to the last channel viewed when the TV last turned off.

Copy Service Level

The Copy Service Level copies programmed channels from one service level to another.

1. Press the **MENU** button to select the Service Setup menu
2. Press the **CH▲▼** button to select the Copy Service Level menu and press the **VOL▲▼** button.
3. Press the **CH▲** button to change the "From" service level. Press the **CH▼** button to change the "To" service level.
4. Press the **VOL◄►** button to perform the actual copy.

Clear Service Level

The Clear Service Level erases a channel programmed service level. Service levels that have been erased show as "Blank".

1. Press the **MENU** button.
2. Press the CH▲▼ button to select the Service Setup menu.
3. Then press the **CH▲▼** button to select Clear Service Level menu and press the **VOL◄►** button.
4. Press the **VOL◄►** button to select Clear Service Level menu.

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Service Option

Service Level
The TV has four distinct channel memory tiers called Service Levels; Disabled, Free, Basic, and Premium. With Disabled selected, the TV displays a black screen with the message "To use this TV, Please contact a TV representative" for 10 seconds and then shuts itself off. The Free, Basic, and Premium Service Levels can be programmed with any combination of channels and selected independently using the Service Level menu.
1. Press the **MENU** button.
2. Press the **CH▲▼** button to select the Service Setup menu.
3. Then press the **CH▲▼** button to select the Service Level menu and press the **VOL◄►** button to select a service level.
4. Press the **TV/AV** button to return to normal TV viewing.

Note. If a "Blank" Service Level is selected, the TV displays a black screen with the message "No Channels Found, Please contact a TV representative" for 10 seconds and then shuts itself off.

Channel Lock
Channel Lock disables the CH▲▼ buttons and direct channel access function of the TV from all user inputs (TV control buttons, IR remote control, pillow speaker). The currently displayed channel will be locked and becomes the only viewable channel when the TV is on. Set Channel Lock off to restore normal channel control.
1. Press the **MENU** button.
2. Press the **CH▲▼** button to select the Service Setup menu.
3. Then press the **CH▼▼** button to select Channel Lock menu. Press the **VOL◄►** button to turn Channel Lock On of Off.
4. Press the **TV/AV** button to return to normal TV viewing.

Channel Memory Override
Channel Memory Override blocks direct channel access via remote control or pillow speaker to channels not in the current service level. Turn Channel Memory Override on to allow IR remote control access or pillow speaker access to channels outside of the current service level.
1. Press the **MENU** button.
2. Press the **CH▲▼** button to select the Service Setup menu.
3. Then press the **CH▲▼** button to select Channel Memory Override menu and press the **VOL◄►** button to select ' On' or 'Off'.
4. Press the **TV/AV** button to return to normal TV viewing.

Power On Captions Mode
The Caption Lock Mode memorizes the captions setting upon powering the TV off. With this feature turned off, the TV will always power on with the captions disabled. With this feature turned on, the TV will always power on with the captions set to its last setting when the TV was turned off.
1. Press the **MENU** button.
2. Press the **CH▲▼** button to select the **Service Setup** menu.
3. Then press the **CH▲▼** button to select **Power on Captions Mode** menu and press the **VOL◄►** button to select ' On' or 'Off'.
4. Press the **TV/AV** button to return to normal TV viewing.

Radio Control

You can listen to FM radio with the TV's internal radio provided FM radio station signals are present on the hospital's cable TV system. The Radio must first be enabled in the Special menu. Radio is then added to the TV's signal source list and can only be accessed using the TV/AV button. Programming the radio is similar to programming TV channels.

Mode

Determines the method used to tune the Radio. With Mode set to Auto, the patient can tune only those FM stations preprogrammed in memory. With mode set to Manual, the patient can tune all FM radio frequencies including those with no stations.

Frequency

Displays the currently tuned radio frequency. Press the **VOL◄►** button repeatedly to tune in the desired station manually.

Program

20 individual program memories are available to hold radio station frequencies. Stations programmed into memory are made available to the patient for listening by setting Mode to Auto. Press the **VOL◄►** button repeatedly to select the desired program memory number.

Memorize, Delete, & Auto Program

Memorize stores a FM radio station frequency to a specific Program Memory number. Delete removes a stored frequency from a specific Program Memory number. Auto Program automates FM radio station programming.

Memorize
1. Press the **MENU** button to display the **Radio Setup** menu.
2. Press the **VOL◄►** button repeatedly to select **Mode Auto** or **Manual** tuning.
3. Press the **CH▲▼** button and select **Frequency**. Then press the **VOL◄►** button repeatedly to tune in the desired station manually. If you press and hold the **VOL◄►** button 2 seconds or longer, the radio automatically changes present frequency to the next frequency.
4. Press the **CH▲▼** button to select **Program**. Then press the **VOL◄►** button repeatedly to select program.
5. Press the **CH▲▼** button to select **Memorize**. Press the **VOL◄►** button to memorize the current frequency to **Program** memory.

Delete
6. To delete a frequency from **Program** memory, press the **CH▲▼** button to select **Delete**. Select Off with the VOL◄► button to delete the station.

Radio Control

Radio Auto Program

7. Press the **CH▲▼** button to select Auto Program.
8. Press the **VOL◄►** button repeatedly to begin Auto Program. The radio automatically scans all available radio stations on the hospital CATV cable system and memorizes them to Program Memory.

Off Time

Sets the amount of time the radio tuning status box appears on the TV screen. Once the patient tunes the TV 's Radio to the desired radio station, the TV's screen blanks to black and present only radio sound to the patient.

1. Press the **CH▲▼** button to select **Off Time**.
2. Then press the **VOL◄►** button repeatedly to select Off, 5, 10, or 30(minutes). With Off Time set to Off, the on-screen radio tuning status box remains visible to the patient all the time.

Radio Edit Name

Each programmed radio station can also be identified with a station label using up to 8 selectable alphanumeric characters.

1. Press the **CH▲▼** button to select **Edit Name**.
2. Then press the **VOL◄►** button to edit radio name.
3. Press the **CH▲▼** button repeatedly. You can use the numeric 0 to 9, the alphabet A to z(capital and small letters.) and a blank. Use the **VOL◄►** button to position the next edited label character.
4. Press the **MENU** button to return to prior menu.

Press the **TV/AV** button to exit and return to the patient's radio tuning status display.

External Equipment Connection

Additional equipment, such as VCRs, camcorders etc. may be viewed on the television set.

Antenna Connection

The television's tuner is used to tune the RF output from any external device capable of providing a modulate RF signal.

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

1. Disconnect the Hospital CATV signal coax cable from the TV.
2. Connect a coax cable from the RF out of the VCR, Game Box, or Camcorder to the Antenna Input "F" connector on the rear of the TV.
3. Press the **TV/AV** button on the televisions and select Television.
4. Press the **PLAY** (POWER) button on the device.
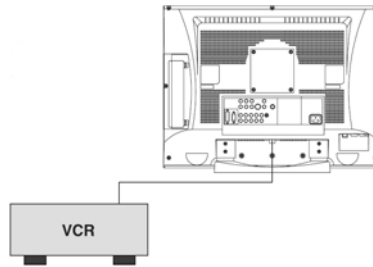
Component Input

1. Connect the COMPONENT video output sockets (Y Cb Cr) of the COMPONENT to the COMPONENT INPUT sockets of the set.
2. Connect the audio cable from the COMPONENT to the COMPONENT INPUT sockets of the set.
3. Press the **TV/AV** button to select COMPONENT1 on the screen.
4. Press the **PLAY** button on the DVD. The COMPONENT playback picture appears on the screen.

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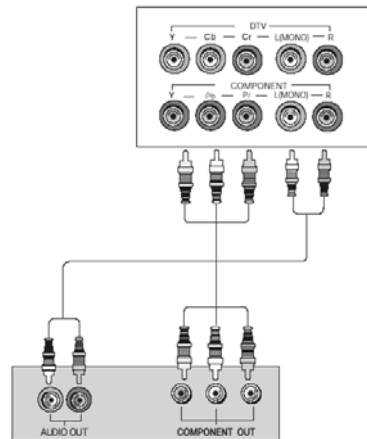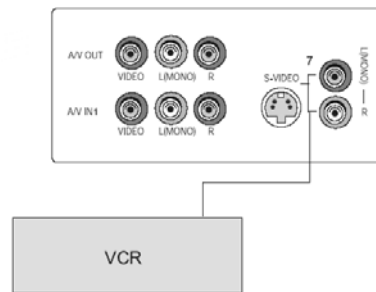
External Equipment Connection

DTV Input

1. Connect the DTV video output jacks (Y, Pb, Pr) of the DTV set top box to the DTV Input sockets of the television.
2. Connect the audio cable from the DTV set top box to the Audio Input sockets of the set.
3. Press the **TV/AV** button to select Component2 on the screen.
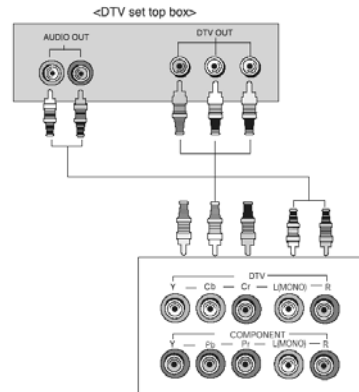
S-Video Input

1. Connect the S-VIDEO output of a VCR to the S-VIDEO input on the TV.
2. Connect the audio cables from the S-VIDEO on the VCR to the L (MONO), R inputs on the TV.
3. Select S-VIDEO mode by pressing the **TV/AV** button repeatedly. Press the **PLAY** button on the VCR.

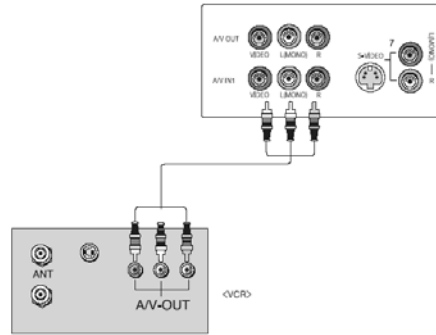The S-Video playback picture appears on the screen.

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External Equipment Connection

A/V INPUT

1. Connect the A/V Out jacks on the VCR to A/V- In jacks on the TV.
2. Press the **TV/AV** button to select VIDEO mode.
3. Press the **PLAY** button on the VCR.

The VCR playback picture appears on the screen.
Note : If you have a mono VCR, connect the audio cable from the VCR to the L(MONO) socket of set.

A/V OUT

Television stations may be recorded via the A/V OUT connections with various recording devices (Displayer).

1. Connect the Audio outputs (L,R) of the TV to Audio-IN(L, R) of another displayer or the amplifier system. If you connect the amplifier system, you can also play the TV sound through the stereo amplifier system.
2. Connect the Video output of the TV to Video IN of another displayer.
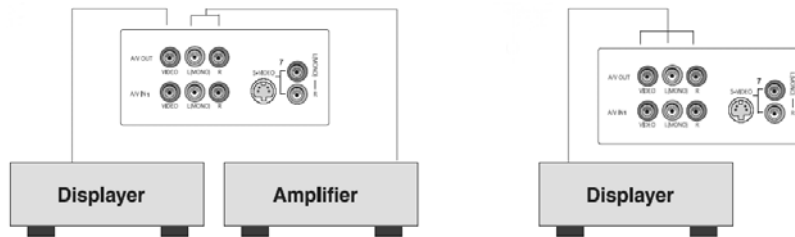
Note: If you press the mute button, only the sound of the TV's speaker are switched off. The TV's audio content is still recorded.

Connecting the PC as a monitor

The TV functions as a computer monitor only when set to PC mode using the TV/AV button on the remote control or the TV.

Computer Video In

Computer video signal connection jacks are provided on the back of the cabinet. Both Digital (DVI-Digital Visual Interface) or Analog computer signal types are supported.

PC-Digital Video

PC-Analog Video
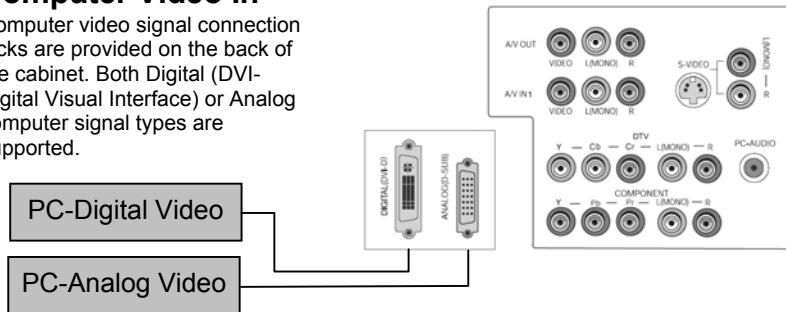
Picture adjustment

You can adjust computer picture Contrast, Brightness, Temperature, Clock, Phase and ARC (Aspect Ratio Control) to your own preference.

1. Press the **TV/AV** button to select the PC mode.
2. Press the **MENU** button.
3. Select **Picture**.
4. Press the **CH▲▼** button to select the desired picture item.
5. Press the **VOL◄►** button to make appropriate adjustments.
6. Press the **TV/AV** button to exit menu.
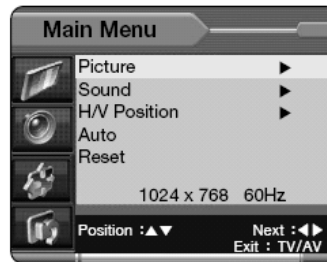
Contrast & Brightness

This function adjusts the picture's brightness and darkness.

Temperature

Temperature is a measure of the warmth of the image color. Use either the 9300K or 6500K settings.

Clock

This function minimizes any vertical bars or stripes visible on the screen background. The horizontal screen size may also change with this setting. Note: The clock value changes with the supported resolution.

Phase

This function removes any horizontal noise and sharpens character image.

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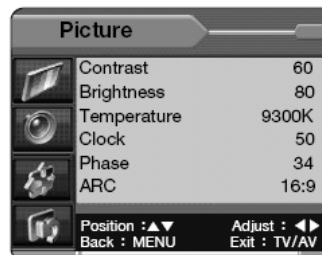
Connecting the PC as a monitor

ARC (Aspect Ratio Control)
Selects a screen mode of 4:3 or 16:9.

* 4:3 mode : Sets the picture to 4:3 normal mode.
* 16:9 mode : Sets the picture to 16:9 wide mode.


4 : 3   16 : 9

Sound adjustment

1. Press the **MENU** button.
2. Select the **Sound** menu.
3. Press the **CH▲▼** button to select the desired sound item; Equalizer, Balance, AVL, Surround or Sound Mode.
4. Press the **VOL◄►** button to make desired adjustment.
5. Press the **VOL◄►** button in Equalizer to set the Equalizer.
6. Press the **CH▲▼** button to select your preferred setting; Flat, Music, Movie, Speech or User. To set the Equalizer User.

    a. Select **User** by pressing the **CH▲▼** button.
    b. Select a sound band by pressing the **VOL◄►** button.
    c. Make appropriate sound level with the **CH▲▼** button.
    d. Press the **MENU** button to return to preceding menu.
7. Press the **CH▲▼** button to the **Balance** menu.
8. Select the **Balance** menu with the **VOL◄►** button and adjust the balance of speaker.
9. Select the **AVL** (Automatic Volume Leveler) menu ON or OFF.
10. Select the **Surround** menu ON or OFF.
11. Select the **Sound Mode** with **CH◄►** button.
12. Press the **VOL◄►** button to select sound mode – L+R, L+L, R+R.

    L+R: Audio signal from audio L input is sent to left loudspeaker and audio signal from audio R input is sent to right loudspeaker.

    L+L: Audio signal from audio L input is sent to left and right loudspeakers.

    R+R: Audio signal from audio R input is sent to left and right loudspeakers.

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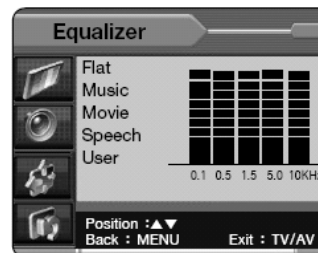
Connecting the PC as a monitor

13. Select the Input with **CH▲▼** button.

14. Press the **VOL◄►** button to select an Input either PC or Radio. NOTE: With the input set to Radio, TV audio will also be available when using the PIP mode.

Position Adjustment
Adjusts the computer screen's position left/right and up/down.
1. Press the **MENU** button.
2. Select the **H/V Position** menu.
3. Press the **CH▲▼** button to select the desired position item.
4. Press the **VOL◄►** button to adjust horizontal position and vertical position.
5. Press the **TV/AV** button to exit menu.

Auto
This function activates the automatic adjustment of the screen position, clock and clock phase. The displayed image will disappear for a few seconds while the Auto-configuration is in process.
Note: Signals from some graphics boards may not function properly. If the results are unsatisfactory, adjust your monitor's position, clock and clock phase manually.

Reset
Reset restores the television's computer display back to factory settings.

Resolution
The television's computer display supports multiple resolutions.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
VGA	640 x 480	31.5 KHz	60 Hz
	640 x 480	37.9 KHz	72 Hz
	640 x 480	37.5 KHz	75 Hz
	720 x 400	31.4 KHz	70 Hz
SVGA	800 x 600	35.1 KHz	56 Hz
	800 x 600	37.9 KHz	60 Hz
	800 x 600	48.1 KHz	72 Hz
	800 x 600	46.9 KHz	75 Hz
XGA	1024 x 768	48.4 KHz	60 Hz
	1024 x 768	56.5 KHz	70 Hz
	1024 x 768	60.0 KHz	75 Hz
WXGA	1280 x 768	47.4 KHz	60 Hz
	1280 x 768	47.8 KHz	60 Hz
DTV	720 x 480p	31.5 KHz	60 Hz
	720 x 576p	31.2 KHz	50 Hz
	1280 x 720p	45.0 KHz	60 Hz
	1280 x 720p	37.5 KHz	50 Hz
	1920 x 1080i	33.7 KHz	60 Hz
	1920 x 1080i	28.1 KHz	50 Hz

Note:
a. If the set is cold, there may be a small "flicker" when the set is switched on. This is normal, there is nothing wrong with the set.
b. Some dot defects may appear on the screen, like Red, Green or Blue spots. However, this will have no impact or effect on the monitor performance.
c. Non supported resolutions are displayed at the nearest resolution.

Product Specification

Model	PDI-P23LCD	
Cabinet Dimensions	Width 23 ¾"	Thickness 3 ¾"
	Height 17 ½"	Weight 19.15 lbs.
Power Requirements	120 VAC, 60 HZ.	
Television System	NTSC	
Tuner	VHF 2-13, UHF 14-69, Cable 01-125	
LCD Panel	23" Wide (Diagonal) TFT LCD Panel	
Resolution	WXGA (1280 x 768)	
Power Consumption	140 Watts	
Antenna Input Impedance	75 Ohms	
Audio Output	10W + 10W	
External Inputs	PC DIGITAL IN	SPK
	PILLOW	PC/DVI-AUDIO IN
	PC ANALOG IN	COMPONENT IN
	AV IN	COMM
	S-VIDEO	ANTENNA

Troubleshooting

Problem	Check Item
No Picture on screen and no sound from speakers	• Insert the AC power cord plug securely in AC power outlet. • Make sure the TV is not turned off. The front power indicator will illuminate RED if the TV is off. • Turn on the power button. The front power indicator will illuminate GREEN if the TV is ON.
No picture and No picture from external source (VCR, DVD)	• Check the brightness setting of the TV. • TV Lamp may have malfunctioned. • Select the External source using the TV/AV button on the TV. • Make sure the external source is connected correctly and is playing. • Verify external source is not being blocked by a Parental Control setting.
Picture OK, but no sound from TV speakers	• Check the sound setting. • Verify the sound is not muted. • Verify that a pair of headphones is not connected. • Verify the TV SPK switch is turned on. • If an external source is connected, verify that it is connected correctly.
Picture OK, but no sound from the pillow speaker	• Verify that the pillow speaker is plugged in. • Set the pillow speaker thumbwheel volume control to maximum. • Adjust the VOL► button on the TV to increase the volume.
Picture is too light	• Check and adjust the COLOR and CONTRAST settings.
Picture is too dark	• Verify BRIGHTNESS setting is not too low. • TV lamp may have failed.
Remote control does not work	• Change the batteries. • Make sure the TV's infrared window is not receiving strong light from fluorescent lamps.
The picture is spotted	• There may be interference from hospital equipment. Try connecting the AC plug into a different wall socket.
The TV displays "No Channels Available, Please Contact a TV Representative".	• The TV is set to a Service Level that is Blank. Program the blank Service Level with channels or switch to a service level that contains channels.
The TV turns On and then shuts Off.	• The TV is set to the Disabled Service Level. Change the Service Level.
The TV displays "To Use this TV Please Contact A TV Representative", and then shuts Off.	• The TV is set to the Disabled Service Level. Change the Service Level.
Pillow Speaker does not control the TV	• Verify the pillow speaker is plugged in. Usually the pillow speaker will have sound if it is plugged in. • Connect the pillow speaker directly to the TV and verify that the across-room or bedside wiring is not faulted. • Try another pillow speaker.

Limited Warranty

MODEL PDI-P23LCD TV Limited Warranty

PDI Communication Systems Inc., ("PDI") warrants, to the original purchaser only, that the PDI-P23LCD will be free from defects in materials and workmanship, under normal use, for 2 year from the date of original purchase. This warranty does not cover any other equipment that may have been included with PDI's shipment of this product.

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

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

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

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

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

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

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

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