



## CV2600, CV3200

Healthcare LCD TV

Document Number: PD196-167R5

**PDi Communication Systems, Inc.**

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**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

|  |   |
|--|---|
|  | <p>This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to 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.</p> |
|  | <p>The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.</p>   |

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

**WARNING:** To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

**WARNING:** Do not install this equipment in a confined space such as a bookcase or similar unit.

**CAUTION:** Do not block ventilation openings. Install in accordance with the manufacturer's instructions.

## REGULATORY INFORMATION

### FCC Part 15

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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is not guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

### Modifications

Any changes or modifications made to this device that are not expressly approved by PDi may void the user's authority to operate the equipment.

### Cables

Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

## Healthcare Grade Television

The PDI Healthcare series television is specifically designed for installation and use in a healthcare environment. The TV's special design and safety features have been investigated by the Underwriters Laboratory and listed for use in Hospitals, Nursing Facilities, Dialysis Clinics, and similar healthcare services.

## SERVICING

### User Servicing

If your product is not operating correctly or exhibits a marked change in performance and you are unable to restore normal operation by following the detailed procedure in its operating instructions, do not attempt to service it yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

### Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance which indicates a need for service.

### Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

### Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in safe operating conditions.

### Cleaning & Disinfecting

- Unplug the TV Before Cleaning.
- Use a soft damp cloth to clean.
- Do not use harsh chemicals such as solvents.
- Wipe off water droplets from the cabinet and screen as soon as possible, as they may leave spots.

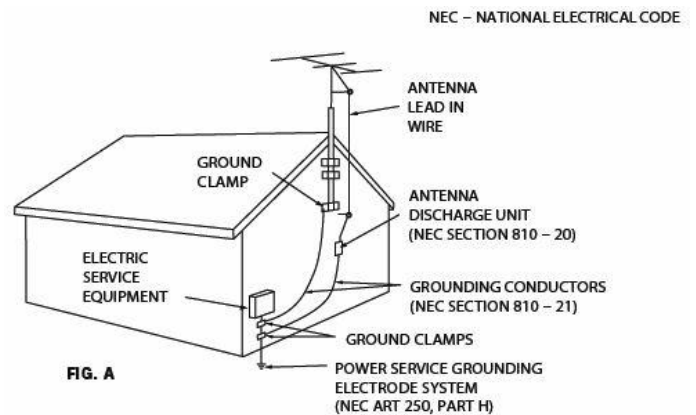
# IMPORTANT SAFETY INSTRUCTIONS

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 sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods 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. This appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
16. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through



openings.

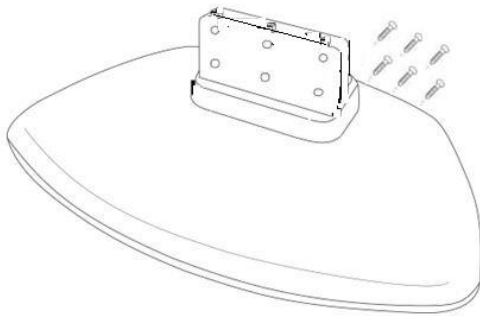
17. If an outside antenna or cable system is connected to the video product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.



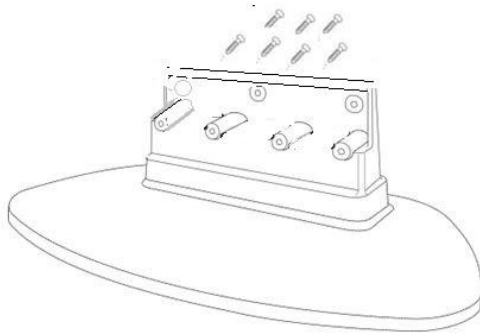
NOTE: This reminder is provided to call the CATV system installer's attention to article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

# OPTIONAL ACCESSORIES

The following optional accessories are available for your PDi Healthcare television.

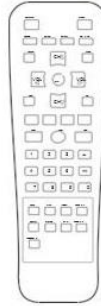


CV2600 Table Stand CV1003



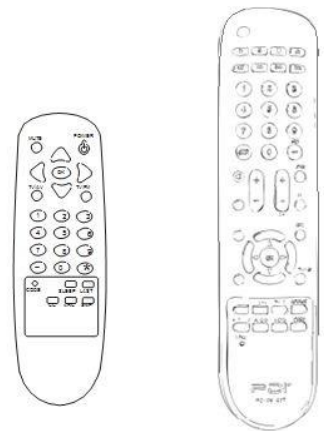
CV3200 Table Stand CV1004

## Programming Remote



PD108-420

## Patient Remotes



PD108-421 PD108-427

# INSTALLATION

## LOCATION

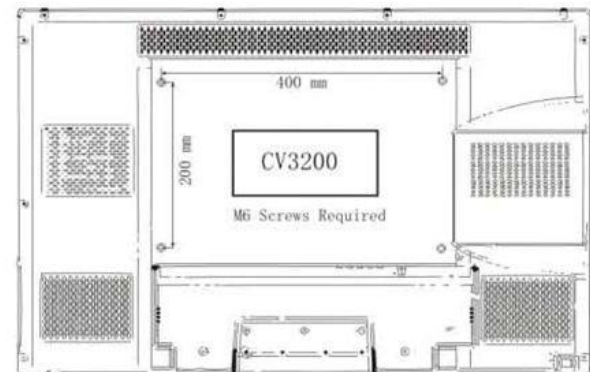
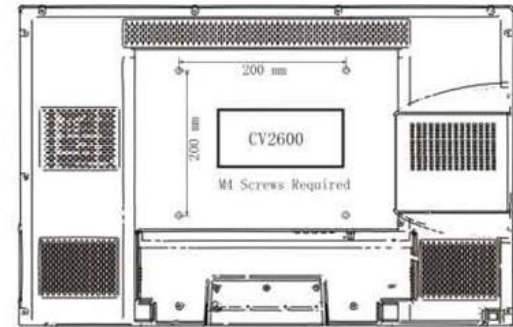
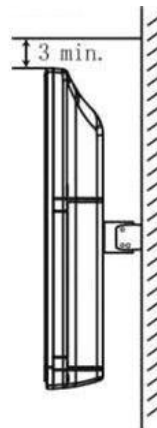
Locate a mounting position on the foot wall in front of the hospital bed. Other locations may be used depending upon the mounting means and room type. Healthcare televisions are normally mounted near the ceiling to provide needed clearance. A minimum 3 inch spacing is recommended for cooling.

**Note:** Ceiling mounted fluorescent lights and windows may produce unwanted glare and should be considered when selecting a mounting location.

## TV MOUNT

The PDi Healthcare television utilizes a VESA pattern. Selection of an appropriate mount will depend primarily upon the mount's capacity and intended functionality. Install the TV as recommended by the mount's manufacturer. Please note the correct mounting screw size requirements.

PDi also offers compatible TV mounts. Please refer to the installation instructions that pack with each mount for additional details.



| PDI TV MODEL | MOUNT MODEL |
|--------------|-------------|
| CV2600       | PD168-033   |
| CV3200       | PD168-204   |



# PILLOW SPEAKER CONNECTIONS

## PILLOW SPEAKER STYLES

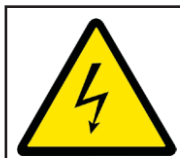
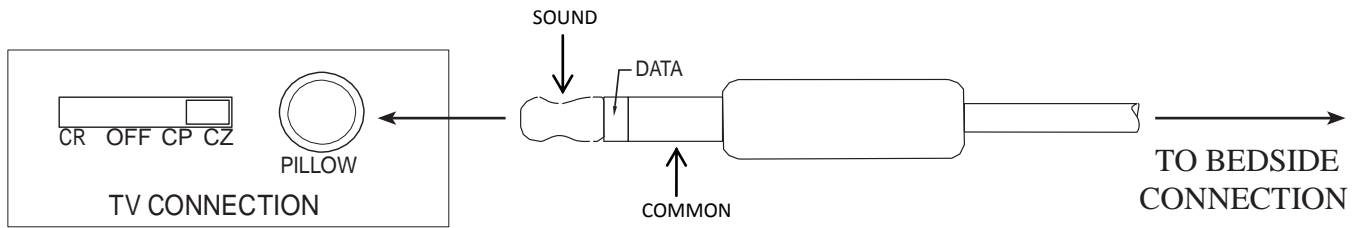
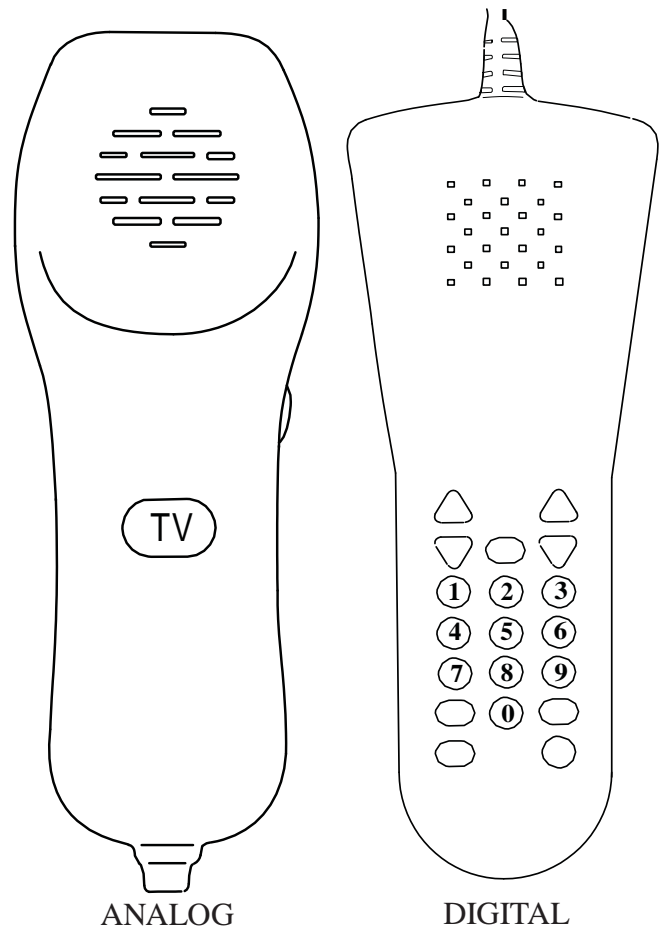
Control of the TV is possible using either a single-button Analog or multi-button Digital style pillow speaker (neither supplied with TV).

## TV PILLOW SPEAKER WIRING

The PDI Healthcare television series utilizes the industry standard 3-wire interface via a 1/4 inch stereo jack located on the back of the TV.

Additionally, the TV employs a universal pillow speaker interface that can be configured to operate with many different model pillow speakers. Move the pillow speaker slide switch located next to the Pillow Jack to match the appropriate style pillow speaker. Refer to your nurse call system wiring instructions for the pillow speaker's bed side connections.

| Slide Switch Position | Pillow Speaker Type             |
|-----------------------|---------------------------------|
| CR                    | RCA                             |
| OFF                   | Disables Pillow Speaker Control |
| CP                    | Phillips                        |
| CZ                    | Zenith and Analog               |



**WARNING:** Do Not Ground the Common wire connection. Grounding the connection will by-pass the TV's pillow speaker isolation circuit and increase the risk of electrical shock.

# TV CONTROLS & CONNECTIONS

## TV Controls

Standard TV controls are located on the TV's lower right cabinet side. Basic control is provided.

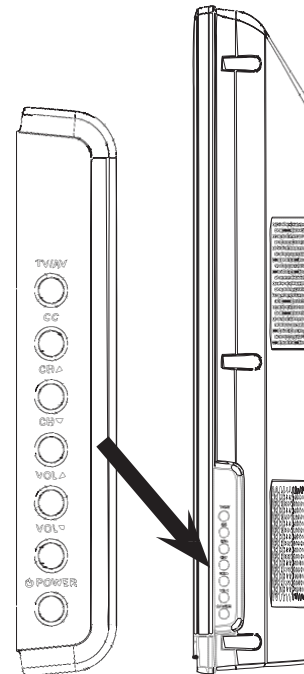
**TV/AV** Switches the TV between various Enabled Sources. Press the button once to verify the current source. Press the button additional times to advance to the next active source.

**CC** Closed Caption (Sub-Title) control. Press the button once to verify the current Closed Caption mode. Press the button additional times to advance to the next Closed Caption mode.

**CH▲/▼** Selects the next or previous channel. If a menu item is active, selects the next or previous menu item.

**VOL▲/▼** Increases or decreases the volume. If a menu item is active, adjusts the menu items settings.

**POWER** Turns TV On and Off.

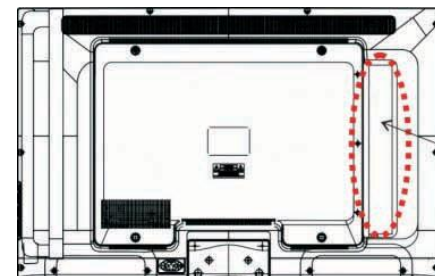
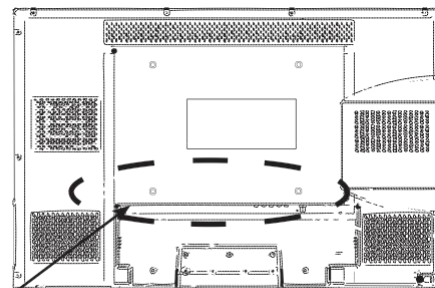


CV2600 & CV3200

## TV Connections

The PDi CV series televisions offer connection jacks for many different types of external devices such as DVD players, Game Boxes, and other similar devices. Connections are located along the back edge of the television.

TV Connectors



TV Connectors

## TV Connectors

|               |   |
|---------------|---|
| ANT TV/FM     | F Connector input jack for the hospital cable TV signal. NOTE: FM radio channels are also received on this input. |
| MPEG4 Upgrade | USB Port for service use only.  |
| CLONING       | USB Port for cloning the TV. The TV can be programmed (cloned) from information stored on a USB Flash Drive.      |

|   |   |
|---|---|
| IN - L, R                               | Component Left and Right audio input jacks. |
| IN - Y, P <sub>B</sub> , P <sub>R</sub> | Component Video input jacks.                |
|   |   |

|                |   |
|----------------|---|
| IN - Composite | Composite Video input jack.   |
| IN - S-Video   | S-Video Video input jack.   |
| IN - L, R      | Left and Right Audio input jacks common for both Composite or S-Video inputs. |

|                       |  |
|-----------------------|--|
| OUT - Composite Video | Demodulated TV signal Composite output video.      |
| OUT - Coaxial         | Demodulated TV signal Digital audio output.        |
| OUT - L, R            | Demodulated TV signal Left and Right output audio. |

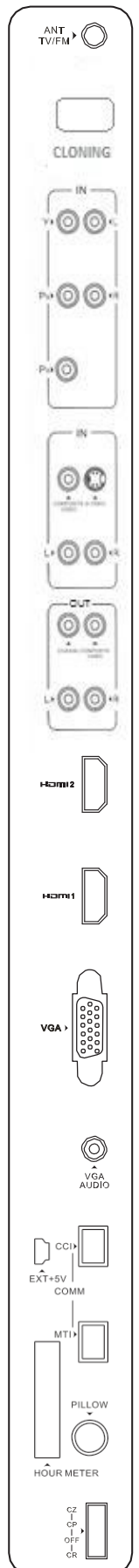
|       |   |
|-------|---|
| HDMI2 | HDMI signal input jack. Input for the high quality HDMI signal. |
| HDMI1 | HDMI signal input jack. Input for the high quality HDMI signal. |

|           |   |
|-----------|---|
| VGA       | VGA Video Input jack. The TV can be used as a computer monitor.                 |
| VGA AUDIO | PC Audio Input jack. The TV's internal speakers can be used for computer sound. |

|            |  |
|------------|--|
| COMM - CCI | Computer Control Interface jack. <b>NOTE: DO NOT</b> connect to a hospital's data network as damage will result to the TV.                                     |
| COMM - MTI | Multiple Television Interface jack. Use with external control boxes. <b>NOTE: DO NOT</b> connect to a hospital's data network as damage will result to the TV. |

|            |  |
|------------|--|
| EXT +5V    | External +5V Input for TV service diagnostics. |
| HOUR METER | Digital Readout of the TV's hours.             |

|              |   |
|--------------|---|
| PILLOW       | Pillow Speaker Jack. See <i>PILLOW SPEAKER CONNECTIONS</i> for details.                 |
| CR-OFF-CP-CZ | Pillow Speaker compatibility switch. See <i>PILLOW SPEAKER CONNECTIONS</i> for details. |



# Programming the TV

Connect the TV to a Cable TV signal before proceeding. Verify the handheld remote control operates the TV.

1. Press the setup button on the remote.
2. From the **Setup** menu, select **Channels**.
  
3. In the **Channels** menu, select **Signal**. Set the signal to one appropriate to your healthcare facility. The possible choices are,
  - Cable STD Standard Cable TV
  - Cable IRC Incrementally Related Carrier
  - Cable HRC Harmonically Related Carrier
  - Air Air (Antenna)
4. In the **Channels** menu, select **Auto Program**.
  
5. In the Auto Program menu, select Mode. The TV can be set to search and locate different styles of TV signals; Analog Only, Digital Only, or both Analog and Digital channels. Select the style of signal.
6. In the Auto Program menu, select Channel Sequence and select the manner in which channels are viewed. The possible selections are:
  - Interleave A+D Analog and Digital appear grouped together
  - All A then D Analog appear first, followed by Digital
7. The Additional Digital Signal selection allows for auto programming of a second block of channels using a different signal type. For example, first Auto Program the TV for CATV STD signals, then use the Additional Digital Signal set to AIR provides a second auto programming of air type signals to be included in addition to the channels found during normal Auto Program searching into the same Service Level.
8. The TV offers 3 discrete groups of channels or Service Levels. Free, Basic, or Premium can each be programmed and used as needed. Select the desired Service Level to program.
9. Press the **Yes** (Channel Up button) to begin Auto Programming or **No** (Channel Down button) to exit. Auto Programming takes approximately 2 to 12 minutes.

| SETUP             |          |
|-------------------|----------|
| • Service Level   | Free     |
| • Picture         |          |
| • Sound           |          |
| • <b>Channels</b> | ▶        |
| • Features        |          |
| • OSD Language    | English  |
| • Sources         |          |
| • FM Radio        |          |
| Position: ▲▼      |          |
| Exit: SETUP       | Next: ◀▶ |

| Channels                  |           |
|---------------------------|-----------|
| • <b>Signal</b>           | 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   |
| • Pro:Idiom               | MTI Port  |
| Position: ▲▼              |           |
| Exit: SETUP               | Next: ◀▶  |

| Auto Program                |                |
|-----------------------------|----------------|
| • <b>Mode</b>               | Analog Only    |
| • Channel Sequence          | Interleave A+D |
| • Additional Digital Signal | None           |
| • Free                      | Programmed ▶   |
| • Basic                     | Blank ▶        |
| • Premium                   | Blank ▶        |
| Position: ▲▼                |                |
| Exit: SETUP                 | Next: ◀▶       |

| Confirm Auto Program  |       |
|-----------------------|-------|
| • <b>Confirmation</b> | ▶     |
| Exit: SETUP           |       |
|                       | Yes ▲ |
|                       | No ▼  |



## Pillow Speaker Sound Setup

Proper setup of the TV's Sound is required for use with a wired Pillow Speaker. Setup involves disabling the TV's internal speakers and then setting the audio level to the pillow speaker. **NOTE:** The pillow speaker port is always enabled with sound.

1. Press the setup button on the handheld programming remote control.
2. From the **Setup** menu, select **Sound**.
3. In the **Sound** menu, select **Internal Speaker Enable**.
4. In the **Internal Speaker Enable** menu select the source you wish to disable. For television select **TV**.
5. For Pillow Speakers with a thumb wheel volume control, in the **Sound** Menu, select **Minimum Volume**, and set the level to approximately 50% to provide a fixed level of sound for the pillow speaker to adjust. **NOTE:** Pillow Speakers with dedicated Volume Up and Volume Down buttons do not require a Minimum Volume adjustment.

| SETUP           |          |
|-----------------|----------|
| • Service Level | Free     |
| • Picture       |          |
| • <b>Sound</b>  |          |
| • Channel Setup |          |
| • Features      |          |
| • OSD Language  | English  |
| • Source Setup  |          |
| • FM Radio      |          |
| Position: ▲▼    |          |
| Exit: SETUP     | Next: ◀▶ |

| Sound                            |          |
|----------------------------------|----------|
| • Balance                        | 0        |
| • Minimum Volume                 | 0        |
| • Maximum Volume                 | 100      |
| • Power On Volume                | Last     |
| • <b>Internal Speaker Enable</b> |          |
| • HDMI 1 Audio Port              | HDMI 1   |
| • HDMI 2 Audio Port              | HDMI 2   |
| • Composite /S-Video Sound Mode  | L+R      |
| • Pillow Speaker Boost           | Enable   |
| Position: ▲▼                     |          |
| Exit: SETUP                      | Next: ◀▶ |

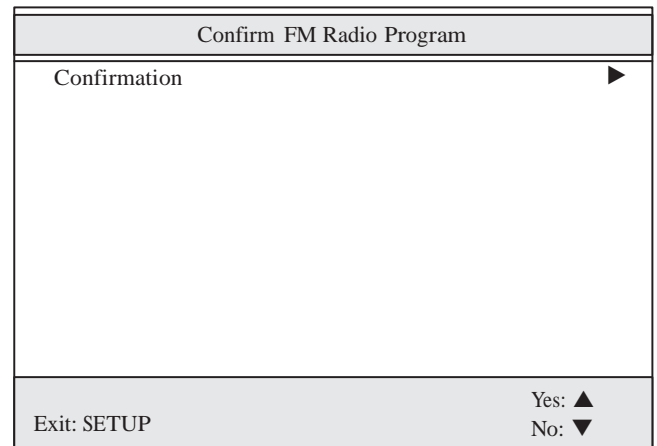
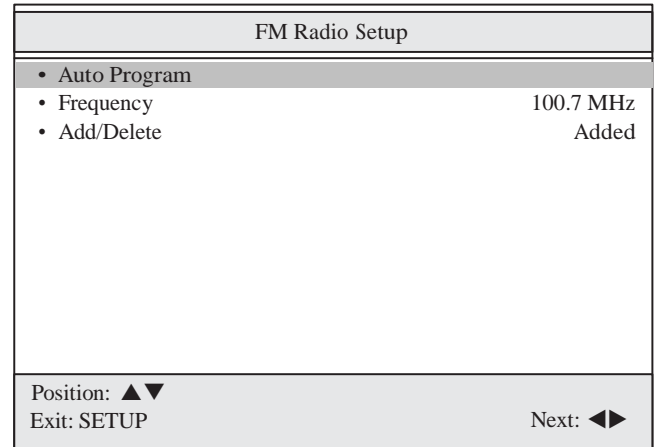
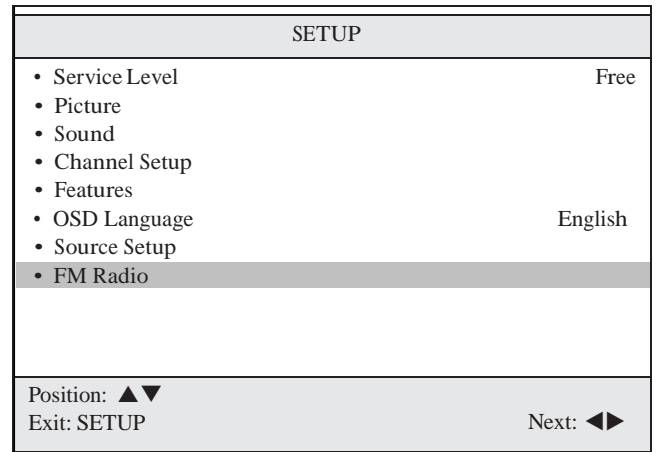
| Internal Speaker Enable |          |
|-------------------------|----------|
|                         | Speaker  |
| • <b>TV</b>             | Disabled |
| • Composite Video       | Disabled |
| • S-VIDEO               | Disabled |
| • Component 1           | Disabled |
| • HDMI 1                | Disabled |
| • HDMI 2                | Disabled |
| • PC-ANALOG             | Disabled |
| • FM RADIO              | Disabled |
| • DVD                   | Disabled |
| Position: ▲▼            |          |
| Exit: SETUP             | Next: ◀▶ |

| Sound                          |          |
|--------------------------------|----------|
| • Balance                      | 0        |
| • <b>Minimum Volume</b>        | 50       |
| • Maximum Volume               | 100      |
| • Power On Volume              | Last     |
| • Internal Speaker Enable      |          |
| • HDMI 1 Audio Port            | HDMI 1   |
| • HDMI 2 Audio Port            | HDMI 2   |
| • Composite/S-Video Sound Mode | L+R      |
| • Pillow Speaker Boost         | Enable   |
| Position: ▲▼                   |          |
| Exit: SETUP                    | Next: ◀▶ |

# Programming the TV's FM Radio

Connect the TV to a Cable TV signal before proceeding. Verify the handheld remote control operates the TV.

1. Press the setup button on the remote.
2. From the **Setup** menu, select **FM Radio**. NOTE: if the FM Radio item is non-selectable, enable **FM Radio** in the **Sources** menu first.
3. In the **FM Radio Setup** menu, select **Auto Program**. A confirmation screen will appear.
4. In the **Confirm FM Radio Program** menu, press Channel Up on the remote to begin or Channel Down to abort. The TV will now search every available FM frequency and memorize frequencies that contain radio stations. NOTE: FM radio signals must be present on the coax input cable for the TV's FM radio feature to work properly.



# Troubleshooting

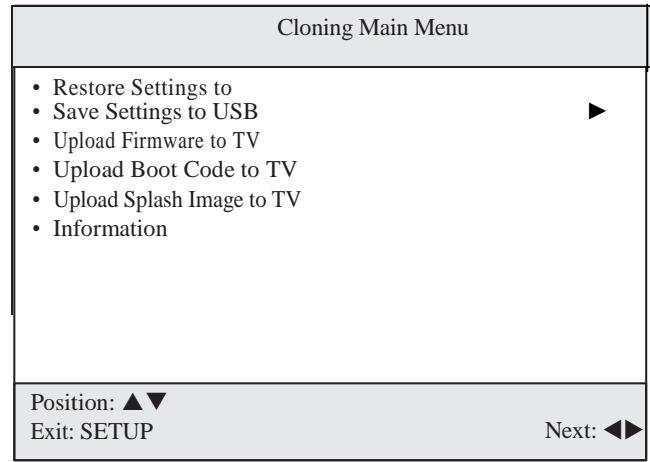
| Problem                            | CHECK   |
|------------------------------------|---|
| No Picture and No Sound            | <ul style="list-style-type: none"> <li>• Ensure the TV is connected to a powered AC outlet. The TV's front lamp will glow Red when correctly connected to power.</li> <li>• Operate the TV directly by pressing the TV's POWER button located on the side of the cabinet.</li> <li>• Try to cycle power to the TV by pulling the power cord from the AC outlet, wait for 30 seconds, plug it back into the outlet, wait 15 seconds or more and then try to turn On the TV again.</li> </ul> |
| No Picture, Sound OK               | <ul style="list-style-type: none"> <li>• Verify TV is set to an active Video Source or set directly to TV by pressing the TV/AV button on the side of the TV or the TV/AV button on the remote control.</li> <li>• If an Auxiliary Input Source is selected, verify the Video input signal cable is connected and the video source is playing.</li> </ul>   |
| Picture OK, No Sound               | <ul style="list-style-type: none"> <li>• Verify the Sound has not been muted.</li> <li>• Check the Volume settings.</li> <li>• Verify pillow speaker is connected and the volume control on the pillow speaker is properly adjusted.</li> <li>• If an Auxiliary Input Source is selected, verify the Audio input signal cable is connected and the video source is playing.</li> </ul>  |
| No Sound from Internal TV Speaker  | <ul style="list-style-type: none"> <li>• Verify the sound has not been muted.</li> <li>• Verify the TV's internal speakers have not been disabled in the "Internal Speaker Enable" setup menu.</li> </ul>   |
| Picture is too Light               | <ul style="list-style-type: none"> <li>• Check that external light sources, such as windows or overhead lights are not creating glare on the TV's screen.</li> <li>• Check the TV's Brightness and Contrast settings in the TV's Picture menu.</li> </ul>   |
| Picture is too Dark                | <ul style="list-style-type: none"> <li>• Check the TV's Brightness and Contrast settings in the TV's Picture menu.</li> </ul>   |
| Picture Breaks-Up or Jitters       | <ul style="list-style-type: none"> <li>• Verify the coax cable is connected correctly.</li> <li>• The cable TV signal may be too weak.</li> </ul>   |
| Picture has Ghost Images           | <ul style="list-style-type: none"> <li>• The cable TV signal may be too weak.</li> <li>• The coax cable connection may be loose.</li> </ul>   |
| Picture has Stripes or Dots        | <ul style="list-style-type: none"> <li>• The cable TV signal may be too weak.</li> <li>• The coax cable connection may be loose.</li> </ul>   |
| Pillow Speaker does not Control TV | <ul style="list-style-type: none"> <li>• Check the TV's Pillow Speaker Selector switch is correctly set.</li> <li>• Replace Pillow Speaker.</li> </ul>  |
| Remote Control does not work       | <ul style="list-style-type: none"> <li>• Replace the remote's batteries.</li> <li>• Verify that strong fluorescent lights are not flooding the TV's IR windows</li> <li>• For patient remote controls, verify remote is set to the correct Bed Code.</li> </ul>   |

## Cloning the TV - Saving Settings

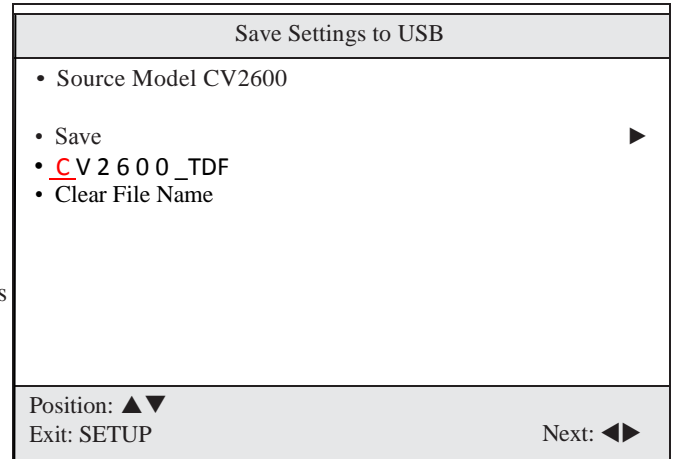
The TV settings can be saved to a user provided USB Flash Drive and then used to program another television. First a specimen TV is hand-programmed using a programming remote control (PD108-420) with channels, sound, and other settings. While the TV is On, a USB Flash Disk is inserted into the TV's Clone port, the specimen TV's setup written to the Flash Disk, and then the Flash Disk is removed to program other televisions. One Flash Disk can be used to program an entire hospital of televisions.

### SAVING A TV'S SETTINGS

1. Turn on the TV and insert a blank USB thumb drive into the USB Clone Port.
2. When the Cloning Main Menu appears, select Save Settings to USB.
3. If you wish to rename the file, Press ▲ or ▼ to highlight the file name, otherwise go to step 4.
  - a. Press ► to highlight each character.
  - b. Press ▲ or ▼ to change each character.
  - c. Repeat this process until you have the desired file name. Up to 8 characters may be used.
  - d. When done, press volume down until the characters are no longer highlighted.



4. When the Save Settings to USB menu appears, select the appropriate model and press volume up to begin Cloning. The TV's front LED will blink indicating Clone activity.
  5. The Cloning Man Menu should reappear with a line indicating Successful Saving of the TV's settings to the USB Disk
- To exit the cloning menu, you must remove the thumb drive.

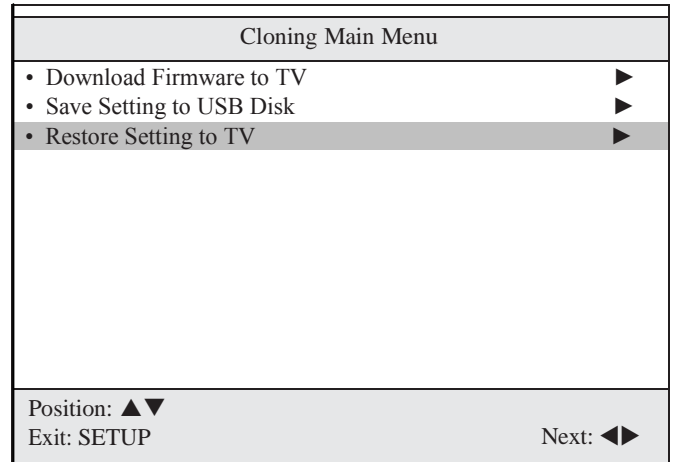


# Cloning the TV - Restoring Settings

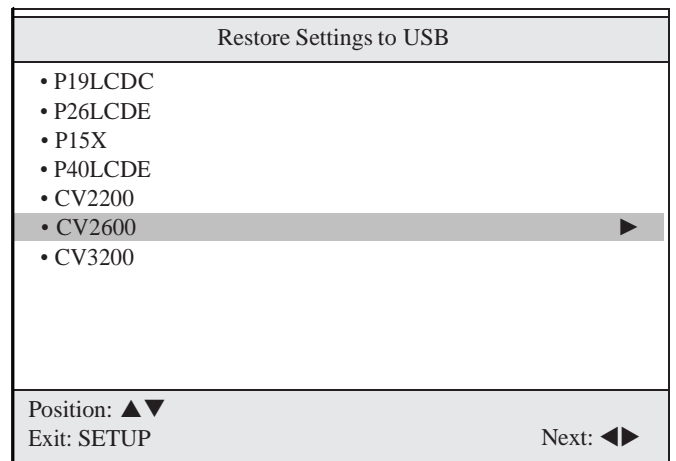
A TV settings once saved to a USB Flash Disk can then be used to program another television.

## RESTORE A TV'S SETTINGS

1. Turn the TV on and insert the USB with desired settings.
2. Highlight Restore Settings to TV.



3. When the Restore Settings to USB menu appears, select the appropriate model and press volume up to begin Cloning. The TV's front LED will blink indicating Clone activity.
4. The Cloning Man Menu should reappear with a line indicating Successful Cloning of the TV's settings to the USB Disk.
5. Remove the USB Disk from the TV. Check the TV for correct programming.



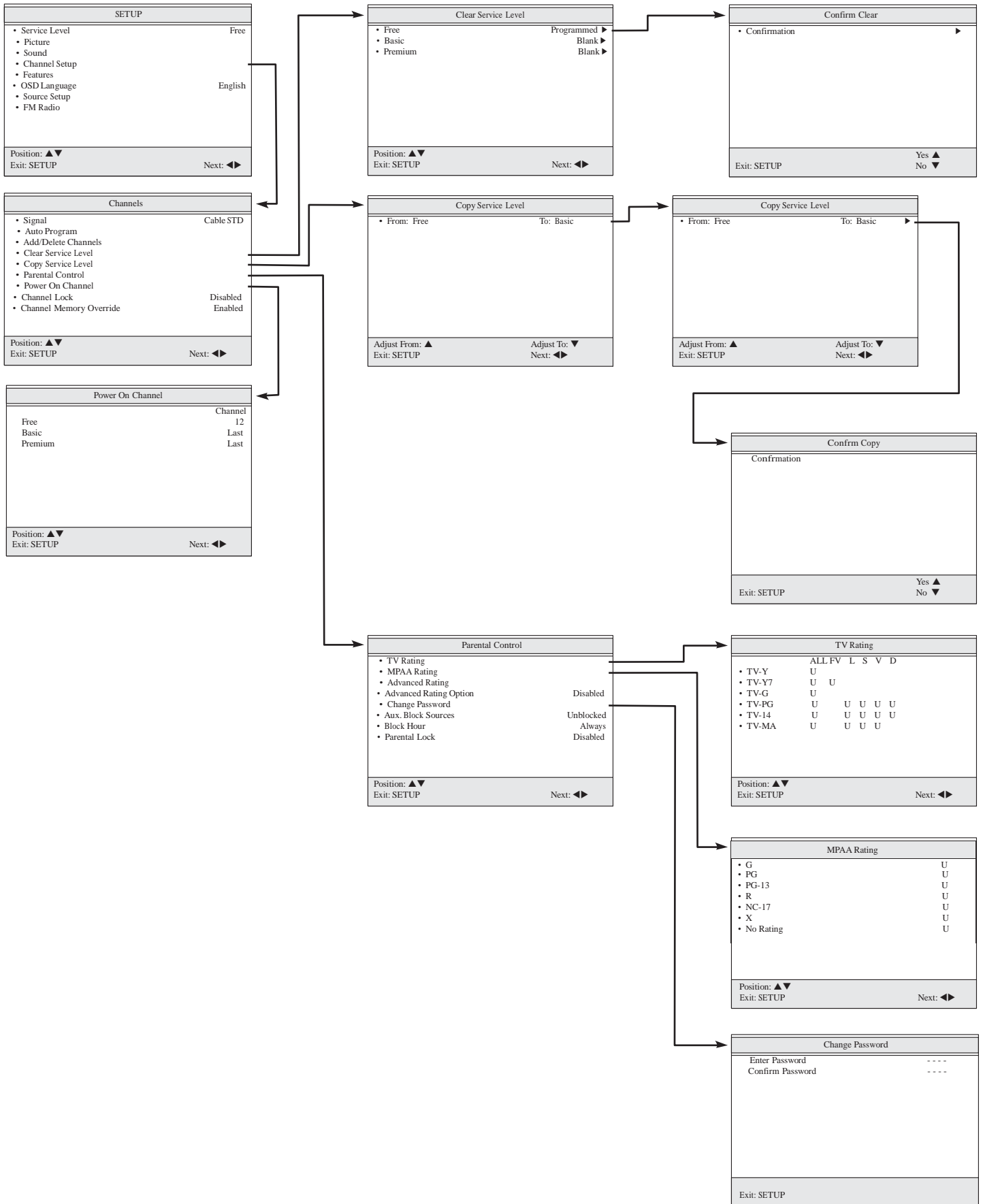


# TV Menu Navigation



Sample Channel Listing Shown for Illustrative purposes. Actual Channel Listing will vary.

# TV Menu Navigation- continued



# TV Menu Navigation- continued

| SETUP           |         |
|-----------------|---------|
| • Service Level | Free    |
| • Picture       |         |
| • Sound         |         |
| • Channel Setup |         |
| • Features      | English |
| • OSD Language  |         |
| • Source Setup  |         |
| • FM Radio      |         |
| • Cloning       |         |
| Position: ▲▼    |         |
| Exit: SETUP     |         |
| Next: ◀▶        |         |

| Cloning Main Menu          |  |
|----------------------------|--|
| • Download Firmware to TV  |  |
| • Save Setting to USB Disk |  |
| • Restore Setting to TV    |  |
| Position: ▲▼               |  |
| Exit: SETUP                |  |
| Next: ◀▶                   |  |

| Features                   |          |
|----------------------------|----------|
| • Power On Caption Mode    | Last     |
| • Auto Power On            | Disabled |
| • Power Management         | 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 | Enabled  |
| • Power on ARC Mode        | Last     |
| • Slot Standby Power       | Disabled |
| • Standby Power            | Low      |
| Position: ▲▼               |          |
| Exit: SETUP                |          |
| Next: ◀▶                   |          |

| Source Setup                     |                |
|----------------------------------|----------------|
| • TV                             | Enabled/No APO |
| • Composite Video                | Disabled       |
| • S-VIDEO                        | Disabled       |
| • Component 1                    | Disabled       |
| • Component 2                    | Disabled       |
| • HDMI 1                         | Disabled       |
| • HDMI 2                         | Disabled       |
| • PC-ANALOG                      | Disabled       |
| • FM RADIO                       | Disabled       |
| • Power on Source                | TV             |
| APO – Auto Power off if no video |                |
| Position: ▲▼                     |                |
| Exit: SETUP                      |                |
| Next: ◀▶                         |                |

| FM Radio Setup |           |
|----------------|-----------|
| Auto Program   |           |
| Frequency      | 100.7 MHz |
| Add/Delete     | Added     |
| Position: ▲▼   |           |
| Exit: SETUP    |           |
| Next: ◀▶       |           |

| Digital Captions |         |
|------------------|---------|
| • Mode           | Default |
| • Font           | Default |
| • Size           | Default |
| • FG Color       | Default |
| • BG Color       | Default |
| • FG Opacity     | Default |
| • BG Opacity     | Default |
| Position: ▲▼     |         |
| Exit: SETUP      |         |
| Next: ◀▶         |         |

| Digital Mode Time Stamp |         |
|-------------------------|---------|
| Time Zone               | Eastern |
| Daylight Savings        | On      |
| Position: ▲▼            |         |
| Exit: SETUP             |         |
| Next: ◀▶                |         |

| Diagnostics              |         |
|--------------------------|---------|
| • Field ON Hours         | 132     |
| • Field Powered Hours    | 265     |
| • IO Firmware VSN        | 3.6     |
| • Main Firmware VSN      | 2.90    |
| • ProIdiom               | Support |
| • Mpeg4                  | 1.0     |
| • Bluetooth Firmware VSN | 1.0     |
| Exit: SETUP              |         |

| Confirm FM Auto Program |  |
|-------------------------|--|
| Confirmation            |  |
| Exit: SETUP             |  |
| Yes ▲                   |  |
| No ▼                    |  |

# TV Menu Explanations

| Menu  | Item          | Explanation   | Sub-Item                               | Explanation   |
|-------|---------------|---|--|---|
| Setup |               |   |  |   |
|       | Service Level | 3 programmable Service Levels (banks of channels) plus a Disable service level. |  |   |
|       | Picture       | Adjusts picture appearance.   | Brightness                             | Adjust the brightness of the dark areas in the picture. 50% is the default value.   |
|       |               |   | Contrast                               | Adjust the brightness of the light areas in the picture. 50% is the default value.  |
|       |               |   | Color                                  | Adjust the strength of the color in the picture. 50% is the default value.  |
|       |               |   | Tint                                   | Adjust the tint of the picture. 50% is the default value.   |
|       |               |   | Color Temperature                      | Opens a sub-menu that provides adjustment to the color balance of the picture.  |
|       |               |   | Sharpness                              | Adjust the amount of detail present in the picture. 50% is the default value.   |
|       |               |   | PC Analog/HDMI Picture                 | Opens a sub-menu that provides adjustment to the picture when the TV is used in computer mode.<br>Temperature: Color warmth of picture.<br>Clock: Adjust the horizontal screen size.<br>Phase: Removes horizontal noise.<br>ARC: Selects the screen size ratios.<br>H-Position: Move Picture left or right.<br>V-Position: Moves Picture up or down.<br>Auto: Automatically adjust picture. |
|       |               |   | Component Input Picture                | Opens a sub-menu that provides adjustment to the picture when viewing a component signal.<br>Temperature: Color warmth of picture.<br>Clock: Adjust the horizontal screen size.<br>Phase: Removes horizontal noise.<br>ARC: Selects the screen size ratios.<br>H-Position: Move Picture left or right.<br>V-Position: Moves Picture up or down.<br>Auto: Automatically adjust picture.      |
|       | Sound         | Adjusts sound parameters.   | Balance                                | Moves sound between the Left and Right Speakers.  |
|       |               |   | Minimum Volume                         | Sets a minimum sound level. The TV's sound level can not be adjusted below the minimum volume setting. The default value is 0.  |
|       |               |   | Maximum Volume                         | Sets a maximum sound level. The TV's sound level can not be adjusted above the maximum volume setting. The default value is 100.  |
|       |               |   | Power On Volume                        | Sets an initial sound level when the TV is first turned on. The default value is LAST.  |
|       |               |   | Internal Speaker Enable                | Opens a sub-menu that provide Disabling/ Enabling the TV's internal speakers. Items are shown in the default setting.<br>TV Enabled<br>Composite Video Enabled<br>S-VIDEO Enabled<br>Component 1 Enabled<br>Component 2 Enabled<br>HDMI 1 Enabled<br>HDMI 2 Enabled<br>PC-Analog Enabled<br>FM Radio Enabled  |
|       |               |   | HDMI 1 Audio Port<br>HDMI 2 Audio Port | Audio ports HDMI 1 or 2, PC, or Component 1 or 2 can be used as inputs for HDMI sound.  |
|       |               |   | Composite/S-Video Mode                 | Adjust Composite/S-Video for L+L, L+R, or R+R   |

## TV Menu Explanations - continued

| Menu                | Item         | Explanation   | Sub-Item                       | Explanation  |
|---------------------|--------------|---|--------------------------------|--|
| Channels            |              | Programs different channels and sources into each of the 3 service levels                           |                                |  |
|                     | Signal       | Sets the TV to tune 1 of 4 different signal styles: Air, Cable STD, Cable IRC, Cable HRC            |                                |  |
|                     | Auto Program | TV automatically scans for active channels and memorizes them into the selected service level.      | Mode                           | Scan for "Analog Only", "Digital Only", or "Analog and Digital" channels.  |
|                     |              |   | Channel Sequence               | Set the sequence in which the TV displays channels. Interleave A+D, Analog and Digital appear grouped together. All A then D, Analog appear first, followed by Digital.  |
|                     |              |   | Additional Digital Signal      | Provides a second auto search for channels using a different signal type.<br>None Disabled<br>Air Antenna Tuning<br>Cable STD Standard Cable<br>Cable IRC Incremental Related Cable<br>Cable HRC Harmonic Relate Cable |
|                     | Free         | One of three different service levels (channel banks) used to hold different groupings of channels. | Confirm Auto Program           | Begins the Auto Program process. Auto Program requires 2 to 12 minutes to complete.  |
|                     | Basic        | One of three different service levels (channel banks) used to hold different groupings of channels. | Confirm Auto Program           | Begins the Auto Program process. Auto Program requires 2 to 12 minutes to complete.  |
|                     | Premium      | One of three different service levels (channel banks) used to hold different groupings of channels. | Confirm Auto Program           | Begins the Auto Program process. Auto Program requires 2 to 12 minutes to complete.  |
| Add/Delete Channels |              | Add or Delete Channels from a Service Level.  |                                |  |
|                     | Free         | Selects the Free service level edit menu.   |                                |  |
|                     | Basic        | Selects the Basic service level edit menu.  |                                |  |
|                     | Premium      | Selects the Premium service level edit menu.  |                                |  |
|                     |              |   | Analog Channel                 | Selects the channel to be edited.  |
|                     |              |   | Add/Delete Analog Channel      | Sets the indicated Analog channel to either "Deleted" or "Added".  |
|                     |              |   | Enable/Disable Digital Channel | Displays a list of auto programmed Digital Channels. Each channel can be "Enabled" or "Disabled" for viewing.  |
| Clear Service Level |              | Erase the programmed channels from a service level. "Blank" indicates an empty service level.       |                                |  |
|                     | Free         | Selects the Free Service level to Clear.  | Confirm Clear                  | Confirmation Menu before clearing service level.   |
|                     | Basic        | Selects the Basic Service level to Clear.   | Confirm Clear                  | Confirmation Menu before clearing service level.   |
|                     | Premium      | Selects the Premium Service level to Clear.   | Confirm Clear                  | Confirmation Menu before clearing service level.   |
| Copy Service Level  |              | Copy an existing service level to a destination service level.                                      |                                |  |
|                     | From:        | Sets the service level to be copied.  |                                |  |
|                     | To:          | Sets the service level to be programmed.  |                                |  |
|                     |              |   | Confirm Copy                   | Confirmation Menu to before copying service levels.  |
|                     |              |   |                                |  |



## TV Menu Explanations - continued

| Menu                    | Item                   | Explanation  | Sub-Item | Explanation  |
|-------------------------|------------------------|--|----------|--|
| Parental Control        |                        | Control Access of TV and Movie content.  |          |  |
|                         | TV Rating              | Displays a list of parental TV viewing levels and allows for Blocking or Unblocking of TV content.   |          |  |
|                         | MPAA Rating            | Displays a list of parental Movie viewing levels and allows for Blocking or Unblocking of Movie content.   |          |  |
|                         | Advanced Rating        | Digital TV content Rating levels listing menu.   |          |  |
|                         | Advanced Rating Option | Enable or Disable the Advanced Rating menu for digital TV content.   |          |  |
|                         | Change Password        | Displays a menu and allows creation of a new parental password.  |          |  |
|                         | Aux. Block Sources     | Enable or Disable the Aux. Block Source item to restrict program content inputted through the TV's auxiliary inputs.   |          |  |
|                         | Block Hours            | Sets the number of hours the parental lock is enabled.   |          |  |
|                         | Parental Lock          | Enable or Disable the settings in the Parental Control menus.  |          |  |
| Power On Channel        |                        | TV displays a preset TV channel upon initial powering for each service level.  | Free     | TV powers on to this set channel number. Entering "Last" causes the TV to power on to the last channel viewed. |
|                         |                        |  | Basic    | TV powers on to this set channel number. Entering "Last" causes the TV to power on to the last channel viewed. |
|                         |                        |  | Premium  | TV powers on to this set channel number. Entering "Last" causes the TV to power on to the last channel viewed. |
| Channel Lock            |                        | Enable or Disable the Channel Lock feature. When Enabled the TV is locked to the last channel viewed. Prevents the TV from being tuned to any other channel or source. Disabled allows the TV to be tuned to other channels. |          |  |
| Channel Memory Override |                        | Enable means the TV will tune to all possible channels.<br>Disable means the TV can only be tuned to channels in the currently selected service level.   |          |  |
| Features                |                        |  |          |  |
|                         | Power on Caption Mode  | Sets the Caption mode TV when the powers On.<br>Off = TV powers on with captions disabled.<br>Last = TV powers on in last caption setting.   |          |  |
|                         | Auto Power On          | TV remains On and can not be turned Off.   |          |  |
|                         | Power Management       | TV will turn Off after a preset period of inactivity. Default is Disabled.   |          |  |
|                         | Bed A/B                | Set the IR code for patient remote controls for either Bed A or Bed B. Bed A is the default setting.   |          |  |
|                         | Caption Text Mode      | Teletext can be displayed on screen.<br>Enabled = Teletext turned on.<br>Disabled = Teletext off.<br>NOTE: Teletext is not readily available in North America  |          |  |

## TV Menu Explanations - continued

| Menu         | Item                     | Explanation   | Sub-Item           | Explanation  |
|--------------|--------------------------|---|--------------------|--|
| Features     | Digital Captions         | Customize the look of captions when tuned to a digital channel.   | Font Size          | Default, Small, Standard, Large  |
|              |                          |   | Font Style         | Default, Style 0 thru Style 7  |
|              |                          |   | Foreground Color   | Default, White, Black, Red, Green, Blue, Yellow, Magenta, Cyan   |
|              |                          |   | Background Color   | Default, White, Black, Red, Green, Blue, Yellow, Magenta, Cyan   |
|              |                          |   | Foreground Opacity | Default, Solid, Translucent, Transparent, Flashing   |
|              |                          |   | Background Opacity | Default, Solid, Translucent, Transparent, Flashing   |
|              |                          |   | Edge Color         | Default, White, Black, Red, Green, Blue, Yellow, Magenta, Cyan   |
|              |                          |   | Edge Style         | Default, None, Raised, Depressed, Uniform, Left Drop Shadow, Right Drop Shadow,                            |
|              | Digital Mode Time Setup  | Timing information provided by Digital channels can be set to the specific Time Zone and also Daylight Savings.   | Time Zone          | Sets the current Time zone to Newfoundland, Atlantic, Eastern, Central, Mountain, Pacific, Alaska, Hawaii. |
|              |                          |   | Daylight Saving    | Turns Daylight Saving On, Off, or set to Auto detect.  |
|              | Diagnostics              | A display menu that provides a readout of the TV's internal operations.   | Field ON Hours     | Readout of the number of hours the TV has been turned On.  |
|              |                          |   | Field Power Hours  | Readout of the number of hours the TV has been plugged into a powered outlet.                              |
|              |                          |   | IO Firmware VSN    | IO firmware version resident inside the TV.  |
|              |                          |   | Main Firmware VSN  | Main firmware version resident inside the TV.  |
|              |                          |   | Pro:Idom           | Indicates presence of ProIdiom option.   |
|              |                          |   | Mpeg4              | Firmware Version of Mpeg4 decoder  |
|              |                          |   |                    |  |
|              | Channel Up Power Off     | When Enabled the TV shuts off when it reaches the highest channel.  |                    |  |
|              | Channel to Other Sources | When Enabled the External sources connected to the TV appear in the TV's channel listing. If Disabled the External sources do not appear in the TV's channel listing. |                    |  |
|              | Power on ARC Mode        | The TV can be set to turn On with a specific picture Aspect Ratio: Last, 4:3, 14:9, 16:9, and 16:9 Panorama.  |                    |  |
|              | Slot Standby Power       | Turns power On or Off to Slot 1 and Slot 2 accessory slots.   |                    |  |
|              | Standby Power            | Places TV in Low Standby Power or Normal Standby Power Mode   |                    |  |
| OSD Language |                          | The menu system On Screen Display language settings are English, Spanish, and French  |                    |  |

## TV Menu Explanations - continued

| Menu         | Item     | Explanation   | Sub-Item        | Explanation   |
|--------------|----------|---|-----------------|---|
| Setup        |          |   |                 |   |
| Source Setup |          | The individual auxiliary input connectors on the back of the TV can be turned On or Off. The source can also be set to Auto Power Off (APO) after 5 minutes of a no signal condition. | TV              | Disabled, Enabled/APO, Enabled/No APO                                       |
|              |          |   | Composite Video | Disabled, Enabled/APO, Enabled/No APO                                       |
|              |          |   | S-VIDEO         | Disabled, Enabled/APO, Enabled/No APO                                       |
|              |          |   | Component 1     | Disabled, Enabled/APO, Enabled/No APO                                       |
|              |          |   | Component 2     | Disabled, Enabled/APO, Enabled/No APO                                       |
|              |          |   | HDMI 1          | Disabled, Enabled/APO, Enabled/No APO                                       |
|              |          |   | HDMI 2          | Disabled, Enabled/APO, Enabled/No APO                                       |
|              |          |   | PC-ANALOG       | Disabled, Enabled/APO, Enabled/No APO                                       |
|              |          |   | FM RADIO        | Disabled, Enabled   |
|              |          |   | Power On Source | Last, (Any Enabled Source)  |
|              | FM Radio | FM Radio Setup menu   | Auto Program    | Automatic search for FM radio stations present on the connected coax cable. |
|              |          |   | Frequency       | User selectable Frequency   |
|              |          |   | Add/Delete      | Add or Delete a Frequency   |

# PDi Limited Warranty

PDi Communication Systems (PDi) warrants this product, except as set forth below, ONLY TO THE ORIGINAL PURCHASER to be FREE FROM DEFECTIVE MATERIAL AND WORKMANSHIP from the date of original purchase for a period of 2 years for parts and 2 years for labor (“The Warranty Period”). THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA, AND CANADA.

If this product is found to be defective, PDi will repair or replace defective parts at no charge to the original owner during the warranty period. Such repair and replacement services shall be rendered by PDi or a PDi Authorized Servicer during normal business hours. Parts used for replacement or repair are warranted only for the remainder of the Warranty Period.

To return a product for service, please obtain a Return Material Authorization (RMA) from PDi. Products returned without a RMA will not be serviced.

## WHAT IS NOT COVERED

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2. Product that has either the model number or serial number altered, tampered with, defaced or removed;
3. Initial installation and removal for repair;
4. Operational adjustments covered in the Owner’s Manual, normal maintenance, and cleaning;
5. Damage that occurs in shipment, due to act of God, and cosmetic damage;
6. Signal reception problems and failures due to line power surge;
7. The cost for shipping the product to PDi’s service center;
8. Accessories;
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