

**Installation
Operating
Instructions**

PERSONA¹⁰

Hospital-Grade LCD Television Receiver



MODEL PDI-P10LCDD

PDI

Communication
Systems, Inc.
40 Greenwood Lane
Springboro, Ohio 45066

PH: 937-743-6010
FX: 937-743-5664

<http://www.pdiarm.com>

Better Solutions Are Within Reach[®]

Graphical Symbols



This lightning flash with arrowhead symbol, within an equilateral is intended to alert the user of the presence of un-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Important Safety Instructions

PLEASE READ AND KEEP THESE INSTRUCTIONS. OBSERVE ALL WARNINGS AND FOLLOW ALL INSTRUCTIONS CONTAINED IN THESE SAFETY INSTRUCTIONS AND THOSE ON YOUR TELEVISION. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

Electrical energy can perform many useful functions. This unit has been engineered and manufactured to assure your personal safety. However, improper use can result in potential electrical shock or fire hazards. In order not to defeat the safe-guards incorporated on this receiver, observe the following basic rules for its installation, use and servicing. Your television does not contain any user serviceable components. Removal of the cabinet cover may expose you to dangerous voltages. Refer all servicing to qualified service personnel.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
8. Do not install near any heat source such as radiators, heat registers, stove, or other apparatus (including amplifiers) that 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 is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long period of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.





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

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

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

Copyright, Disclaimer, and Trademarks

COPYRIGHT

PDI Communication Systems, Inc. claims proprietary right to the material disclosed in this user manual. This manual is issued for user information only and may not be used to manufacture anything shown herein. Copyright © 2000 – 2009 by PDI Communication Systems, Inc. All rights reserved.

DISCLAIMER

The author and publisher have used their best efforts in preparing this manual. PDI Communication Systems, Inc. make no representation or warranties with respect to the accuracy or completeness of the contents of this manual and specifically disclaim any implied warranties or merchantability or fitness for any particular purpose and shall in no event be liable for any loss of profit or any other damages. The information contained herein is believed accurate, but is not warranted, and is subject to change without notice or obligation.

TRADEMARKS

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories. All brand names and product names used in this manual are trademarks, registered trademarks, or trade names of their respective holder. *PDI* and *Better Solutions Are Within Reach* are registered trademarks of PDI Communication Systems, Inc., Springboro, Ohio.

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:

- Re-orient 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-P10LCDD Hospital Grade LCD TV is a specialized LCD television and should be installed to National Electrical Code specifications.

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.

Installation Precautions

1. Any changes or modifications in construction of this television, which are not expressly approved by the party responsible for compliance, could void the user's authority to operate the equipment.
2. Use only a power source from a CSA Certified / UL Approved Class 2 Power Supply suitable for use in a Health Care Facility. This TV will operate on either DC or AC voltage, range 18 to 32 volts.
3. THIS INSTALLATION SHOULD BE MADE BY A QUALIFIED SERVICE PERSON AND SHOULD CONFORM TO ALL LOCAL CODES. READ AND FOLLOW THE SAFETY INSTRUCTIONS BEFORE ATTEMPTING THIS INSTALLATION.



**USE RECOMMENDED
COAX. USE OF ANY
OTHER CABLE
NUMBER IS NOT
RECOMMENDED.**

4. NOTE TO CATV INSTALLER: 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.

5. COAX CABLE SPECIFICATION: Coax cable selection is critical when the TV is powered from a central power supply. Due to long coax cable runs encountered in hospital installations, coax cable employing a solid copper center conductor and copper shield is required. Cable run lengths MUST NOT exceed 150 feet. Required coaxial cable numbers include Alpha 9804C (non-plenum), Belden 9248 (non-Plenum), West Penn 806 (non-Plenum), or West Penn 25806 (Plenum), which have been tested with coax-powered televisions.

6. CLEANING: Clean the exterior of this television by removing dust with a lint-free cloth. For further cleaning, use a soft cloth or paper towel dampened with water. CAUTION: To avoid damage to the surface of the television, do not use abrasive or chemical cleaning agents.

7. DISINFECTING: Do not immerse this TV, rather clean with a soft damp cloth. To avoid damage to the surface of the television, test a small portion of the TV's cabinet with any new disinfectant to verify that the disinfectant will not discolor or soften the enclosure.



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

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

Contents

Graphical Symbols.....	2
Important Safety Instructions.....	2
Copyright, Disclaimer, Trademarks.....	3
Regulatory Information	3
Installation Precautions.....	4
About the Persona 10.....	6
Installing TV on Suspension Arm.....	7
Installing the TV to the PDI-508C-7 Suspension Arm	8
Control Panel	9
Earphone Operation	10
Remote Control.....	10
On Screen Menu Tree	11
Service Levels (Tiers).....	12
Picture.....	13
Color Temperature.....	13
Noise Reduction.....	14
Sound.....	15
Minimum Volume	15
Maximum Volume.....	16
Power on Volume	16
Internal Speaker Enable	17
Headphone Sound Mode.....	17
Channels	18
Signal.....	18
Auto Program.....	19
Add/Delete Channels	20
Clear Service Level.....	22
Copy Service Level.....	23
Power on Channel	24
Channel Lock.....	24
Channel Memory Override	25
Features.....	25
Power on Captions Mode.....	25
Auto Power On/Lock.....	26
Inactive Power Off (h:mm).....	27
Caption Text Modes.....	27
Digital Captions	28
Digital Mode Time Setup	28
Diagnostics	29
Channel Up Power Off	29
Power on ARC Mode.....	30
OSD Language.....	30
Cloning	31
Save Settings to USB.....	31
Restore Setting to TV	32
Information	32
Firmware.....	33
Limited Warranty.....	35

About the PERSONA 10

This television is specifically designed for entertainment purposes and for use in a hospital, a nursing home, a medical-care center, or a similar health-care center in which installation is limited to a non-hazardous area in accordance with the National Electrical Code, ANSI/NFPA 70.

This user's guide has been designed for both the TV installer and TV Rental Representatives. It identifies the features of the PERSONA 10 and describes how to program the TV using an infrared (IR) remote control.

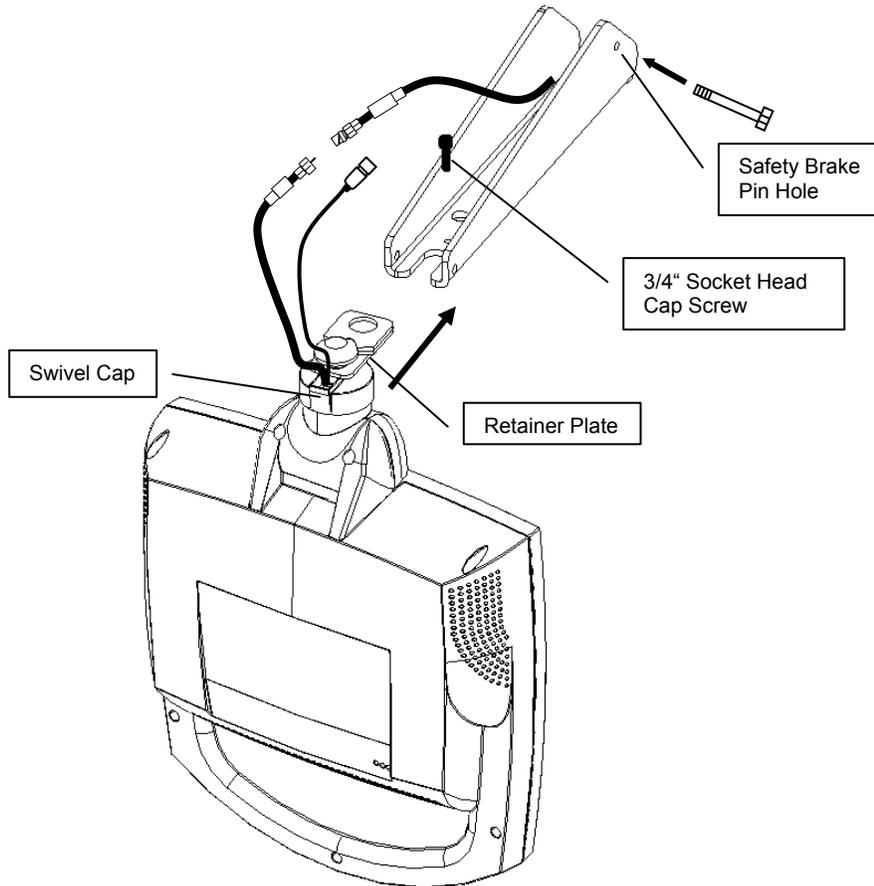
Programming is the process of selecting from among the many features of the PERSONA 10 television. It is also the process of adding and removing channels from the three service levels this TV provides.

Please read through this guide carefully, with a PERSONA 10 TV in front of you, as you begin the process of learning how to program these televisions. Also keep the guide handy, so you can refer to it, for future programming changes. The information in this guide describes each of the main SETUP MENU items:

- Service Level
- Channel Setup (Programming)
- Features
- Picture Adjustment
- Sound Setup

Installing TV on Suspension Arm

The PERSONA 10 is designed to attach to a wall mounted suspension arm capable of supporting a television weighing 7 pounds. The single coaxial cable on top of the unit is used to supply either low voltage AC or DC power (range 18 to 32 volts) and the RF signal to the television. The USB cable provides cloning capability.



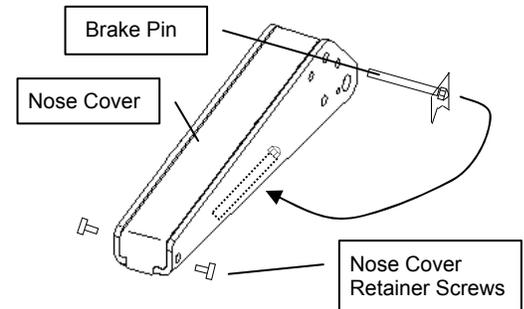
DANGER: ARM RECOIL HAZARD The safety brake pin must remain in the SAFETY BRAKE PIN HOLE whenever the television set is removed from the arm or when the arm is removed from the wall bracket to prevent the arm from springing open.

CAUTION: DO NOT REMOVE the **WHITE PLASTIC CAP** from the swivel assembly. This swivel assembly is factory preassembled and adjusted. There is no need to remove the cap.

IMPORTANT: These instructions detail installing the TV onto the PDI-508C-7 suspension arm. This arm is configured specifically for this television. The PDI-P10LCD TV may be installed on other PDI-508C arms. Please refer to Appendix A of this document for detailed instructions for this case.

INSTALLING THE TV TO THE PDI-508C-7 SUSPENSION ARM

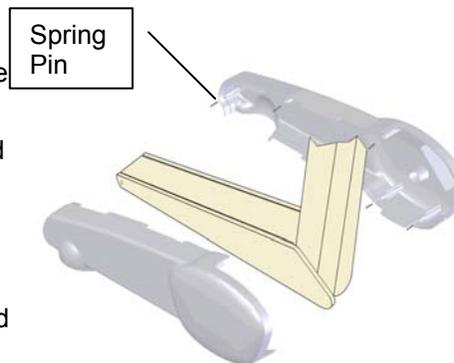
1. Remove and save the 3/4" Socket Head Cap Screw from the plastic "H" clip. Remove the plastic "H" clip and discard.
2. Remove the two nose cover retainer screws. Raise the metal nose cover and slide the television completely into the arm's clevis (slot). The swivel retainer plate should rest inside the nose of the arm and the plastic swivel cap beneath (see picture on previous page).
3. Align the retainer plate's mounting hole over the arm mounting hole. Thread the 3/4" Socket Head Cap Screw through the retainer plate and into the arm's nose. Tighten.
4. The coax cable in the nose of the arm should be joined with the coax cable from the television. Wrench tighten the connection and cover by sliding the plastic boot sections into mating position.



IMPORTANT: Finger tightening of this cable connection will result in reliability problems later. Because the TV draws its power current through this connection, eventually the finger-tightened connection will loosen. Wrench tighten all "F" fitting connections!

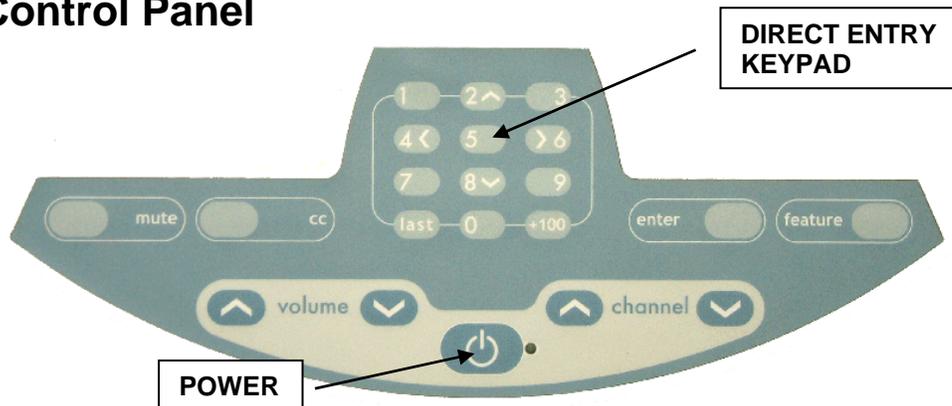
5. Remove the safety brake pin, see picture above, from the parking brake hole, reattach the acorn nut to the pin, and store the assembly inside the nose of the arm by attaching it to the coax cable using the attached plastic clip. NOTE: Do not store the safety brake pin inside the 400 series arm nose. However, the pin should be saved for future removal of the TV from the Arm or removal of the Arm from the wall bracket.
6. Dress both coax and USB cables inside the arm's nose. Close the metal nose cover onto the nose. Reinstall the two nose cover retainer screws.
7. Attach three sets of plastic arm covers (start with long "nose cover" section):

- a. Assemble supplied spring pins into one of the arm cover halves. Pins should be installed into one cover side only.
- b. Position the Arm Cover halves around the arm's nose section. Align exposed pins with the open holes in the second cover half.
- c. Squeeze the two halves together. When the halves are properly installed there should only be a thin seam visible where the halves meet.
- d. Repeat steps a, b, c for the elbow covers and base covers.



8. Connect the coax cable at the base of the arm to the wall bracket "F" fitting and wrench tighten. Cycle the arm once or twice to check for free movement.

Control Panel



The easy to clean membrane control panel located below the display contains 9 large easy to read buttons and a numbered “direct entry” keypad for both channel and cursor control. The 5 lower buttons are used to turn the TV ON or OFF, change channels and raise or lower the sound volume.

In addition to the Channel Up and Down buttons, the numbered “direct entry” keypad may be used to directly enter the channel desired for viewing. If the channel entered using this keypad is **not** programmed into the current Service Level (see sections following on “Service Levels” and “Channels”) and the feature “Channel Memory Override” is disabled, the symbol “[X]” will be displayed in red in place of the channel number, and the channel will not change.

The “2”, “4”, “6” and “8” buttons on the direct entry keypad are also used for cursor positioning on televisions used in computer control applications.

The “feature” button displays the current screen mode of the current channel.

The “enter” button displays the program information for the current channel.

The “cc” button alternately activates and deactivates program closed captioning. Note: Not all programs offer closed captions. Pressing the button may not immediately result in the display of any captions.

The “mute” button will mute the TV audio. The speaker symbol and red X will then appear on screen. Pressing the button again or pressing the volume up or volume down buttons will enable the TV audio and remove the mute symbol from the screen.

BUTTON FUNCTION SUMMARY

POWER	Turns the TV ON or OFF.
VOLUME	Increase or decrease the TV volume.
CHANNEL	Changes the viewed channel up or down.
ENTER	Displays channel program information.
MUTE	Mutes TV audio.
CC	Activates or deactivates closed captions.
FEATURE	Displays program screen mode.
NUMBERS	Direct channel entry.



PD108-005C Earphone



PD108-112
Mono Headset

Earphone Operation

Inserting an earphone in the “earphone” jack hole located on the right side of the cabinet will allow silent operation of the TV. The speaker will be shut OFF and all program audio will be available through the earphone. Remove the earphone to enable the internal TV speaker.

The sound delivered to a connected earphone can be either mono or stereo and is set accordingly in the “Sound” menu.

PDI offers two Mono styled earphones; PD108-005C single earphone or the PD108-112 dual ear headset. Additional second party stereo headphones can also be used.



A remote control is **NOT** packaged with each TV. The remote control must be ordered separately.

Remote Control

The PERSONA 10 requires a remote control part number PD108-420 to program the set. You will **NOT** find a remote control packed with the television. The remote control is an available option and would be shipped separate from the television.

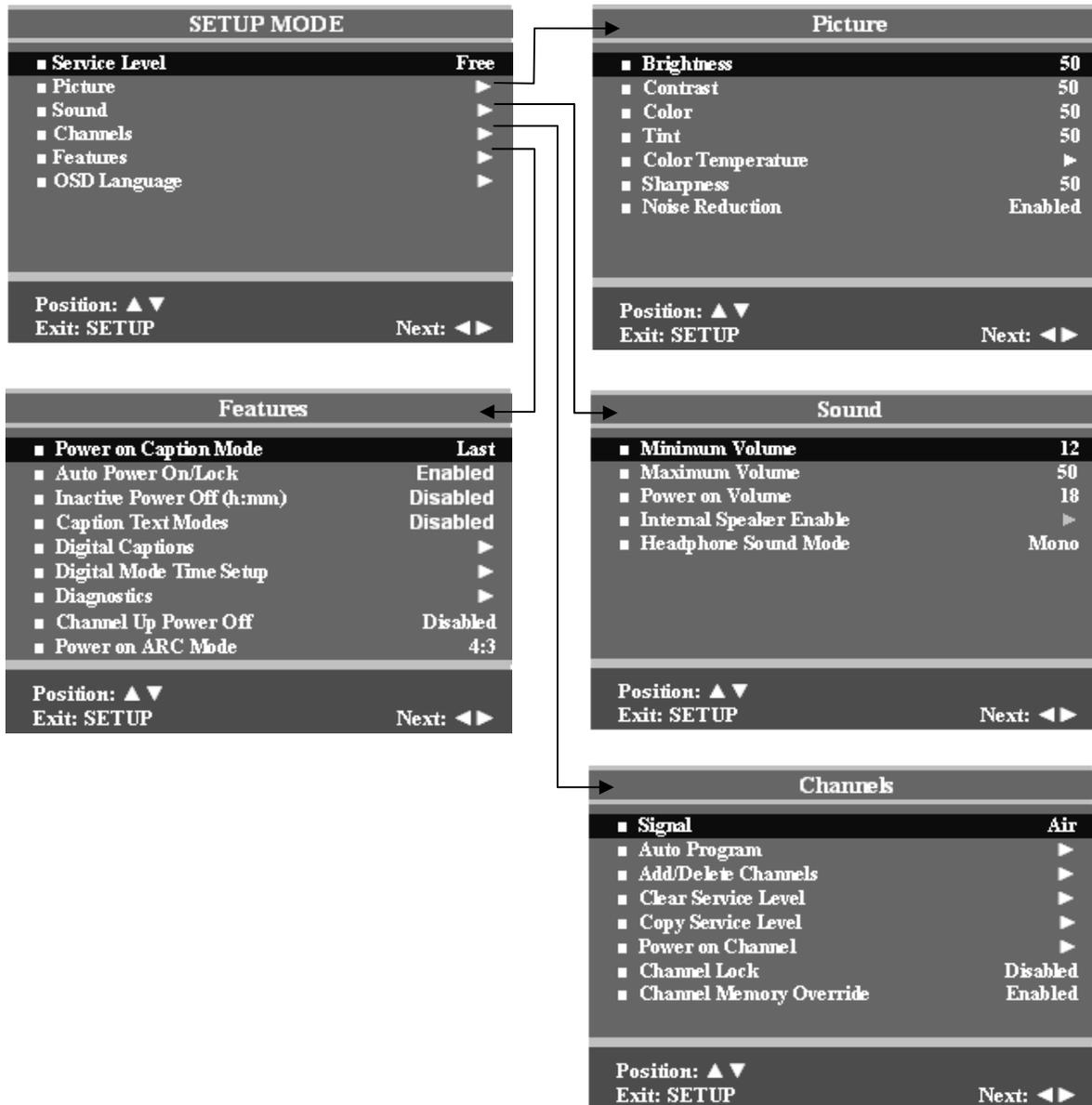
The remote control has a limited range to prevent dual programming of an adjacent room TV. Stand within 3 feet from the front of the TV to use the remote control.



On Screen Menu Tree

The TV is programmed using the Menus. A programming remote control is required to perform all TV setup menu adjustments including programming channels. The remote control is NOT included with the TV and must be ordered separately. Order programming remote control PD108-420.

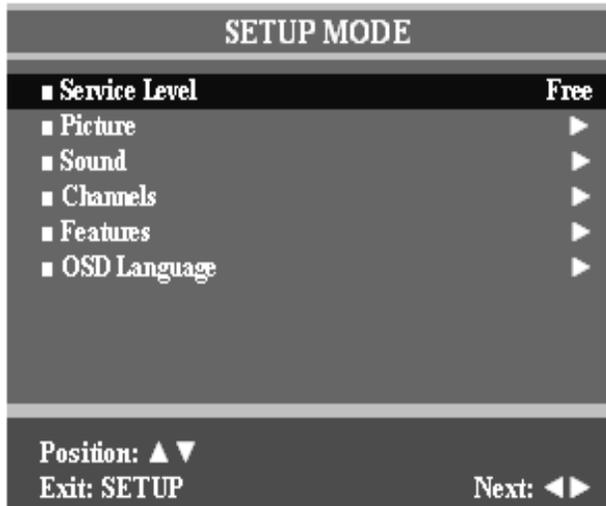
1. Press the SETUP button on the IR remote control to display the main SETUP menu.
2. Press ▲ OR ▼ to select a menu item.
3. Enter or Adjust the menu item using ◀ OR ▶.
4. Press the SETUP button on the IR remote control to return to the preceding menu.



Service Levels (Tiers)

The TV can be configured with 3 different banks of channels called Service Levels. The Service Levels are named “Free, Basic, and Premium”. Each Service Level can be programmed with any combination of channels. For example, a hospital usually elects to dedicate one of the service levels for Pediatrics and another for Maternity since additional or banned channels may be found in either location that would not be normally shown to the general patient population. A DISABLED service level, is available, yet does not display any channels, rather a disabled message on the TV’s screen.

NOTE: To prevent direct entry of non-programmed channels using the keypad, the feature “Channel Memory Override” must be disabled.



To change a Service Level.

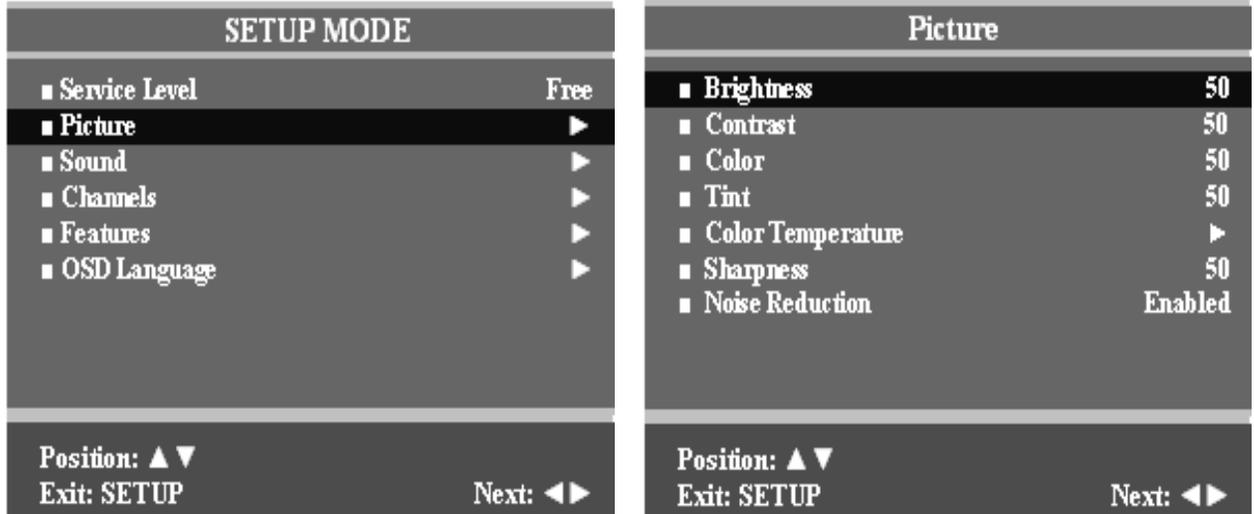
1. Press the SETUP button to display the MENU.
2. Press ▲ OR ▼ to highlight the Service Level item.
3. Press the ◀ or ▶ to select the desired service level.
4. Press the SETUP button to exit.



NOTE: If a Service Level is selected that is empty and has not been programmed with channels, a warning message will be displayed on the TV stating “No Channels Available, Please Contact a TV Representative.” After 15 seconds the TV will shut itself off to conserve power. To eliminate this message switch the TV to a Service Level that has been programmed with channels.

Picture

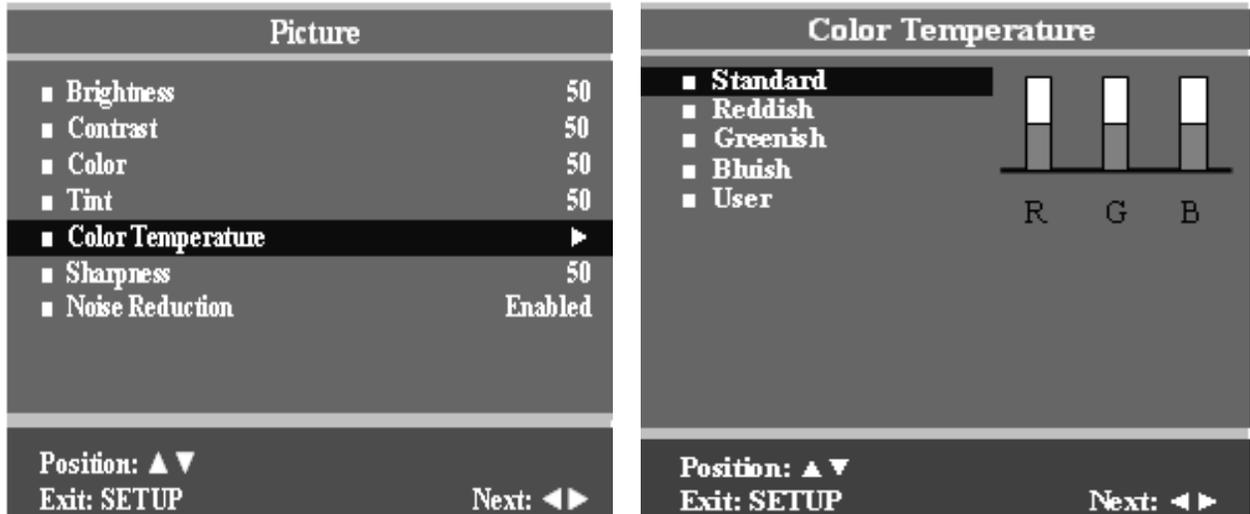
Adjustment of picture Brightness, Contrast, Color, Tint, Color Temperature and Sharpness is available to customize the levels you prefer using the on-screen menus.



1. Press the SETUP button to display the SETUP MODE menu.
2. Select the Picture menu item.
3. Press ▲ OR ▼ to highlight the desired picture item – Brightness, Contrast, Color, Tint or Sharpness.
4. Adjust the picture item using ◀ OR ▶ to the desired level.
5. Press the SETUP button to store the picture values.

Color Temperature

The color temperature menu adjusts the color balance of the picture. “Standard”, “Reddish”, “Greenish”, “Bluish” color temperatures are available for selection; however the individual colors are not adjustable. The “USER” setting allows individual adjustment of each of the TV’s primary colors. The color temperature setting is best set using a calibrated signal source capable of generating a test signal containing both pure white and pure black picture components.



Noise Reduction

Additional picture improvement may be achieved by enabling the Noise Reduction function found in the Picture menu.

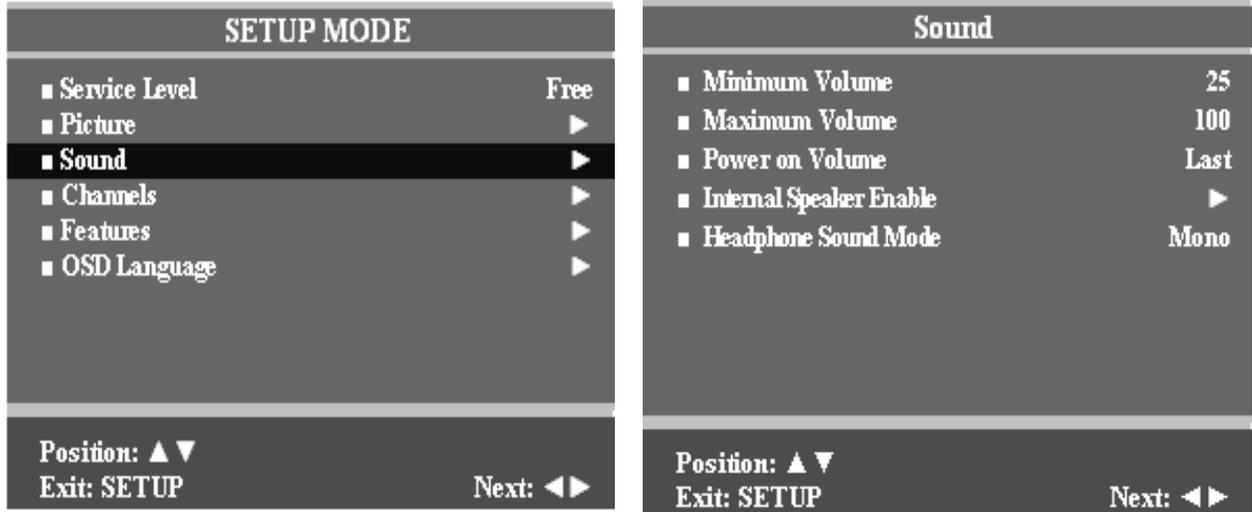
1. Press the SETUP button to display the SETUP MODE menu.
2. Select the Picture menu item.
3. Press ▲ OR ▼ to highlight the Noise Reduction.
4. Use ◀ OR ▶ to alternate, Enable or Disable.
5. Press the SETUP button to return to the previous menu.

Picture	
■ Brightness	50
■ Contrast	50
■ Color	50
■ Tint	50
■ Color Temperature	▶
■ Sharpness	50
■ Noise Reduction	Enabled

Position: ▲ ▼
Exit: SETUP Next: ◀ ▶

Sound

The Sound menu allows precise adjustment of several parameters.

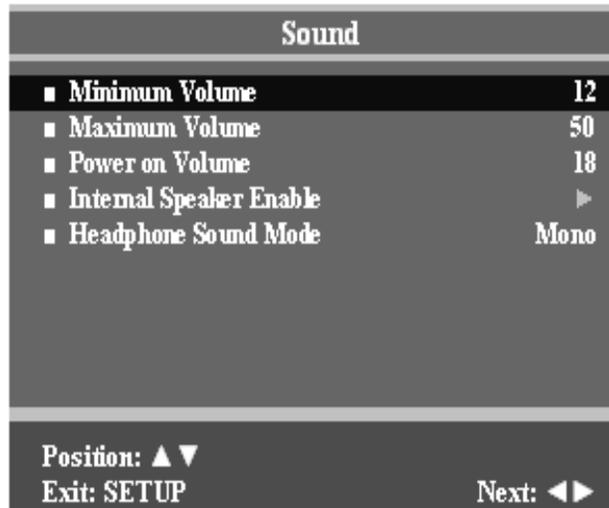


1. Press the SETUP button to display the SETUP MODE menu.
2. Press ▲ OR ▼ to highlight the Sound menu item.
3. Use the ◀ OR ▶ to display the Sound Menu.

Minimum Volume

Sets the minimum volume level the TV can reach. Setting this to any value other than 0 guarantees that some level of sound will always be heard when the TV is operating.

1. In the Sound menu, press ▲ OR ▼ to select Minimum Volume.
2. Press ◀ OR ▶ to select your preferred minimum volume with the TV turns on.
3. Press the SETUP button to return to the preceding menu.



Maximum Volume

Sets the maximum volume level the TV can reach.

1. In Sound menu, press ▲ OR ▼ to select Maximum Volume.
2. Press ◀ OR ▶ to determine your preferred maximum volume allowed.
3. Press the SETUP button to return to the preceding menu.

Sound	
■ Minimum Volume	12
■ Maximum Volume	50
■ Power on Volume	18
■ Internal Speaker Enable	▶
■ Headphone Sound Mode	Mono

Position: ▲ ▼
Exit: SETUP Next: ◀ ▶

Power on Volume

Sets the initial volume for the TV upon powering on. Once the TV is on, the volume can be set to any allowable level. NOTE: If "Power on Volume" is set to LAST, and physical power is removed, the TV will power on with a volume of zero.

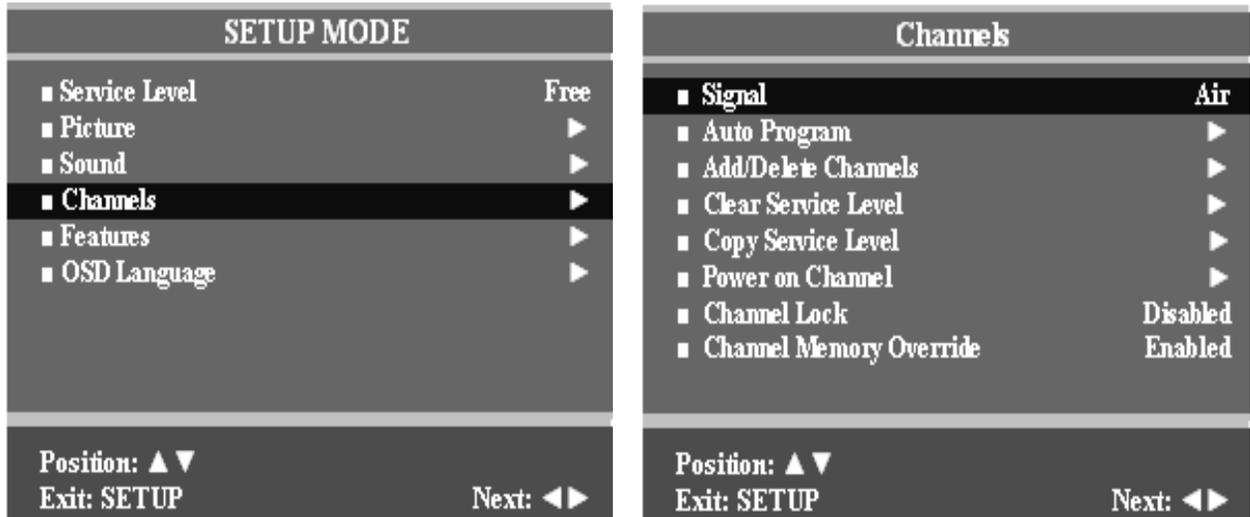
1. In Sound menu, press ▲ OR ▼ to select Power on Volume.
2. Press ◀ OR ▶ to determine your preferred volume when the TV turns on. Setting the level to LAST causes the TV to remember the last volume level used by the TV prior to turning off.
3. Press the SETUP button to return to the preceding menu.

Sound	
■ Minimum Volume	12
■ Maximum Volume	50
■ Power on Volume	18
■ Internal Speaker Enable	▶
■ Headphone Sound Mode	Mono

Position: ▲ ▼
Exit: SETUP Next: ◀ ▶

Channels

The TV offers three different programmable channel banks or Service Levels. A programming remote control is required to perform all TV setup adjustments including programming channels. The remote is **NOT** included with the TV and must be ordered separately – one remote is capable of programming an entire hospital of televisions. Please order programming remote control part number PD108-420.

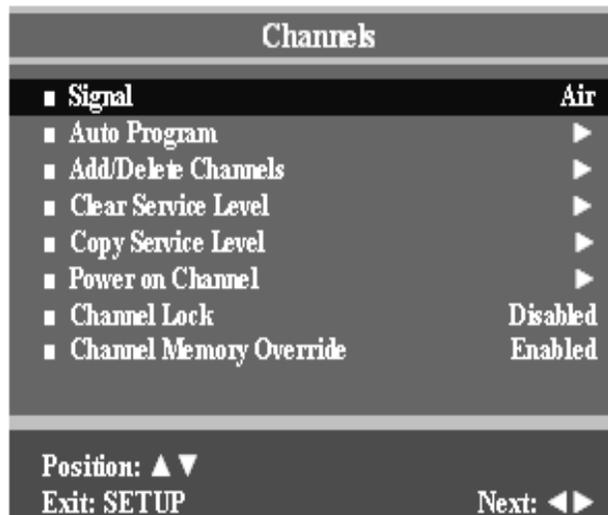


1. Press the SETUP button to display the SETUP MODE menu.
2. Press ▲ OR ▼ and select Channels.
3. Press ◀ OR ▶ to select.

Signal

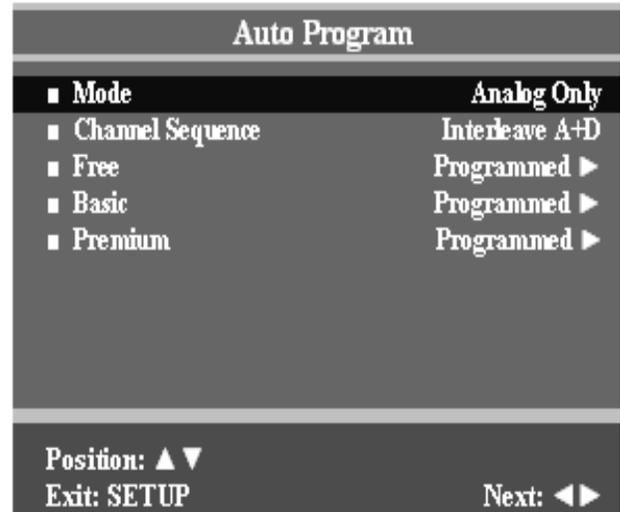
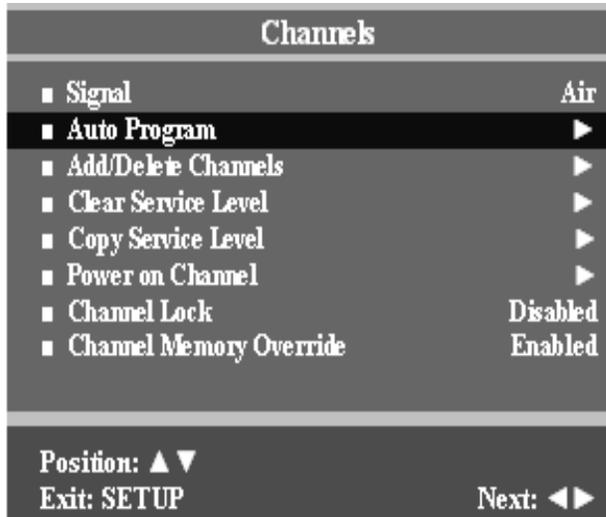
Four different tuning types are available depending upon the healthcare facilities signal style. Selection of the correct signal type is required for the TV to recognize all possible channels and before any channel programming can begin.

1. From the SETUP menu select channels.
2. Press ▲ OR ▼ to select Signal.
3. Press ◀ OR ▶ to select Air, Cable STD, Cable IRC or Cable HRC.
NOTE: Most hospitals use the Cable STD signal style.
4. Now perform Auto Program or Add/Delete Channels to adjust the channels.



Auto Program

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

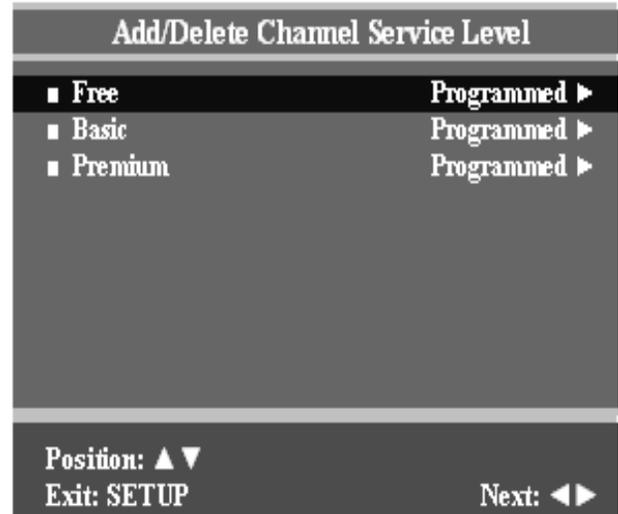
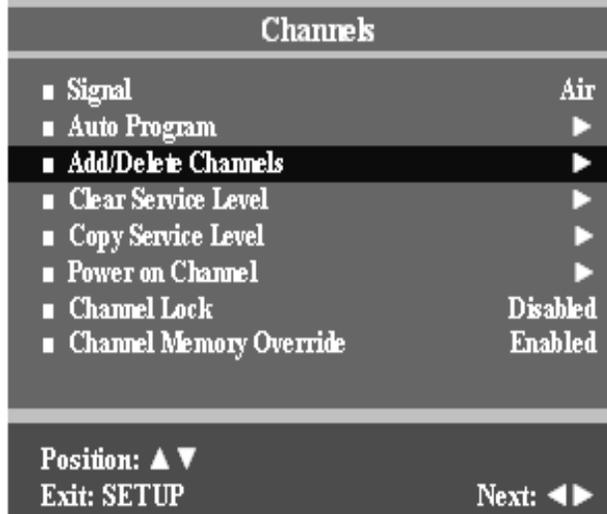


1. From the Channels menu select Auto Program.
2. Press ▲ OR ▼ to select Mode.
3. Press ◀ OR ▶ to set the scope of channel scanning.
Analog Only: TV searches for analog channels only.
Digital Only: TV searched for digital channels only.
Analog and Digital: TV searches for both analog and digital channels.
4. Press ▲ OR ▼ to select the Channel Sequence menu item.
5. Press ◀ OR ▶ to set the Channel Sequence in which the channels are displayed after searching. Most hospitals use Interleave A+D.
Interleave A+D: In the order of channel number regardless of the system.
All A then D: Digital channels are displayed after all analog channels.
6. Press ▲ OR ▼ to select the Service Level you wish to program. The menu displays the current programming status of each level as either Programmed or Blank. **NOTE:** A Programmed service level can also be re-programmed if desired.
7. Press the VOL▲ button to start auto programming.
8. A confirmation menu will appear before proceeding. Press either the ▲ to start auto programming. Press ▼ button to cancel the operation. The TV will now search all available channels. Auto programming requires several minutes to complete. **NOTE:** Digital channel auto programming may take longer than 10 minutes to complete.
9. Press the SETUP button to return to normal TV viewing.

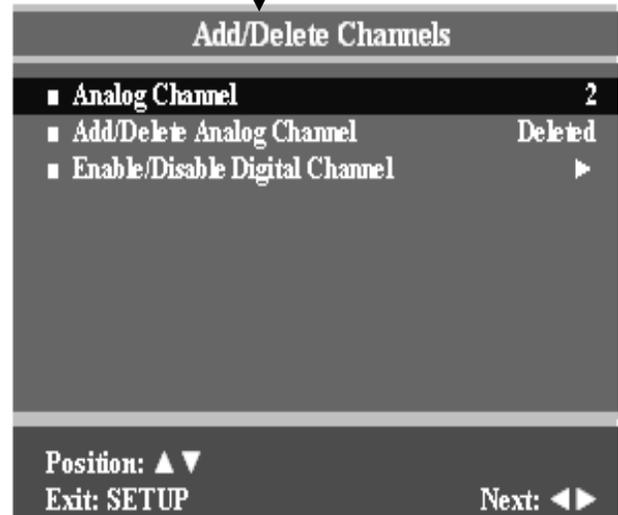


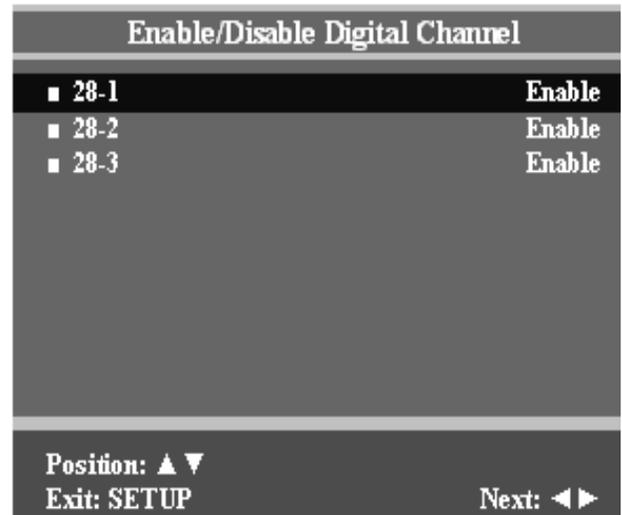
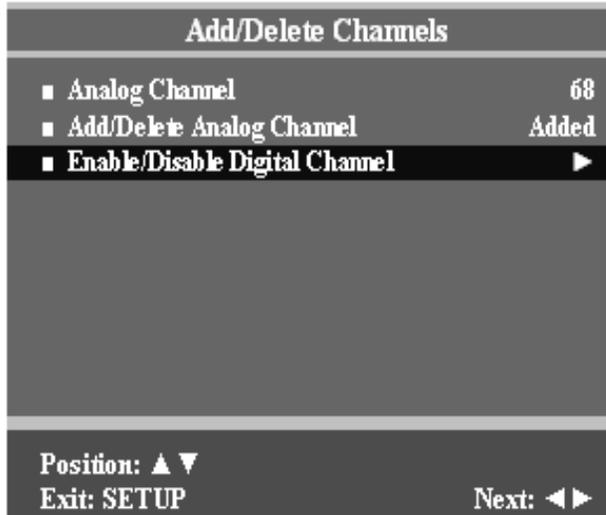
Add / Delete Channels

Individual analog TV channels that are missing can be manually added to a Service Level. Or, analog TV channels that require deletion can be manually removed from a Service Level. Digital channels found during Auto Programming can be enabled or disabled in each service level.



1. From the Channels menu press ▲ OR ▼ to select Add/Delete Channels. Press ◀ OR ▶ to select.
2. Press ▲ OR ▼ to select the Service Level you wish to add or delete channels.
3. Press ◀ OR ▶ to enter the Add/Delete Channels menu for that Service Level.
4. Press ▲ OR ▼ to select Analog Channel.
5. Press ◀ OR ▶ to scroll through every available channel. The channel number changes to indicate the current channel viewed.
6. Press ▲ OR ▼ to select Add/Delete Analog Channel.
7. Press ◀ OR ▶ to alternately Add or Delete the current Analog Channel from the Service Level.
8. Press ▲ OR ▼ to select Enable/Disable Digital Channel.

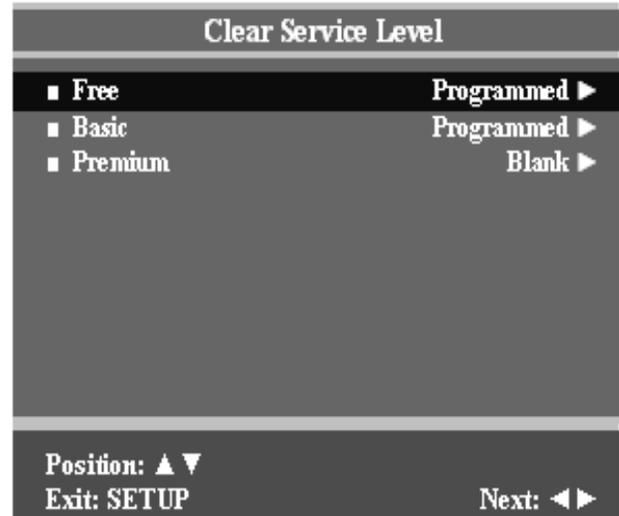
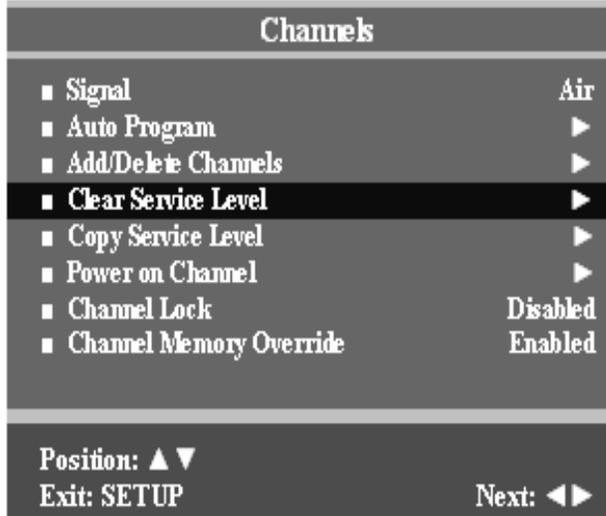




9. A listing of all digital channels found during Auto Programming will be displayed. NOTE: If the Enable/Disable Digital Channels states “No Channels”, either the TV did not locate any channels during Auto Programming or the Mode was set to “Analog Only” during Auto Programming.
10. Press ▲ OR ▼ to select a Digital Channel.
11. Press ◀ OR ▶ to alternately Enable or Disable the current Digital Channel from the Service Level.
12. Press the SETUP button to return to the previous menus.

Clear Service Level

Empties a service level of all programmed channels leaving it Blank.

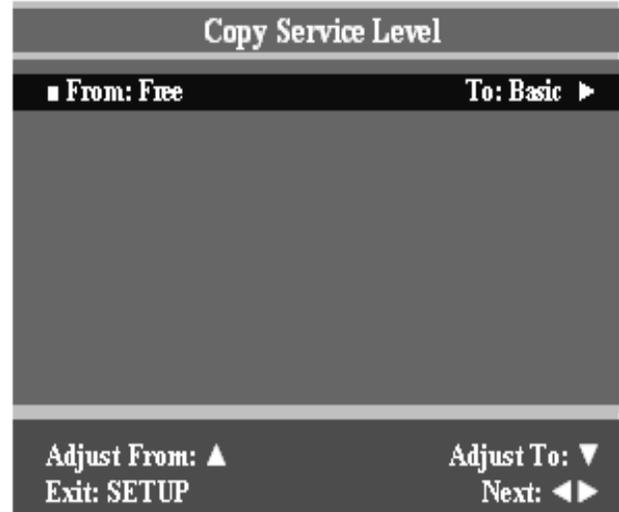
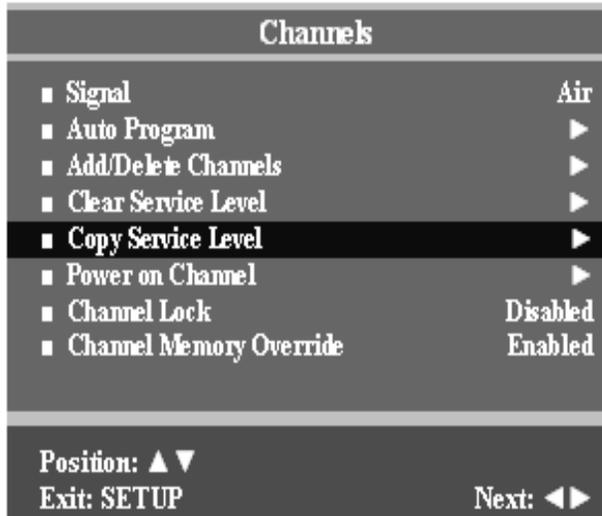


1. From the Channel Setup menu, press ▲ OR ▼ to select Clear Service Level menu.
2. Press ▶ to enter it.
3. A listing of service levels is shown with the current programmed status. Press ▲ OR ▼ to select the desired Service Level.
4. Press ◀ OR ▶ once. A Confirm Clear menu appears.
5. Press the ▲ to confirm clearing of the selected Service Level. Press ▼ to exit without making any changes to the selected Service Level.
6. Press the SETUP button to return to the preceding menu.



Copy Service Level

Copies one service level to another.

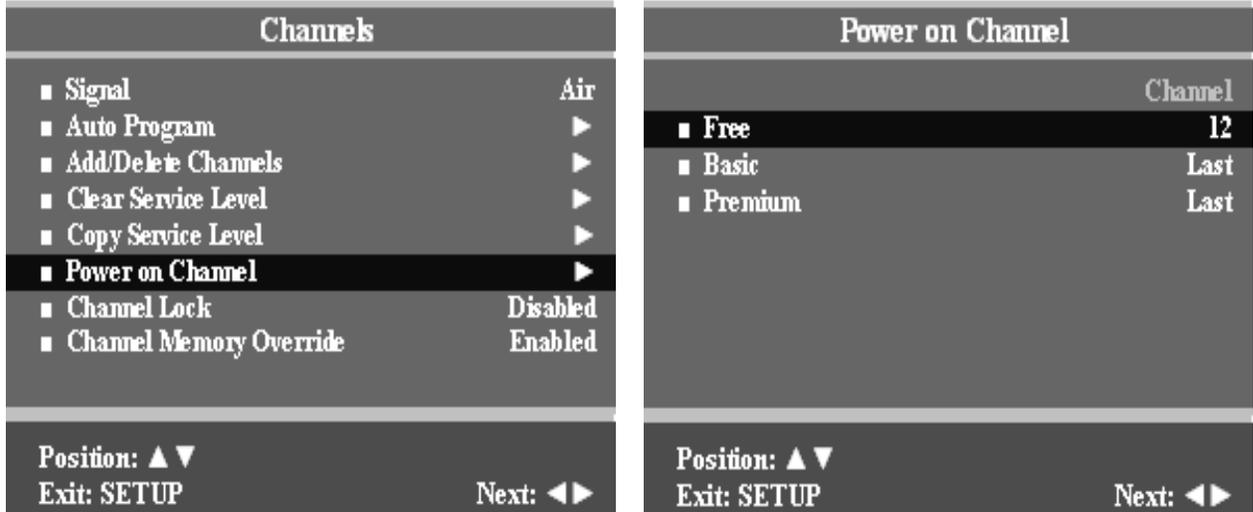


1. From the Channel Setup menu, press ▲ OR ▼ to select Copy Service Level menu.
2. Press ▶ to enter it.. A Copy Service Level menu appears and shows a source (From) and destination (To) Service Level.
3. Press ▲ to adjust the From Service Level.
4. Press the Press ▼ to select the To Service Level.
5. Press ◀ OR ▶ once. A Confirm Copy menu appears.
6. Press the ▲ to confirm clearing of the selected Service Level. Press ▼ to exit without making any changes to the selected Service Level.
7. Press the SETUP button to return to the preceding menu.



Power on Channel

The TV can preset to power on to a select Channel such as a hospital welcome channel. If set to last, and physical power is removed, TV will power up to the lowest channel in current service level.

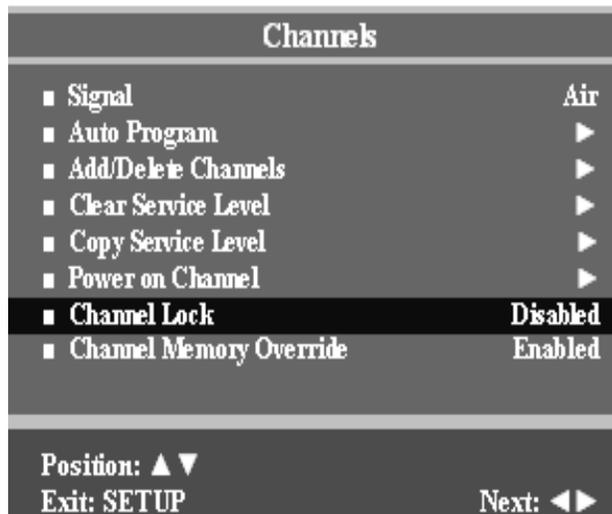


1. From the Channels menu, press ▲ OR ▼ to select Power on Channel. Press ▶ button to activate.
2. In the Power on Channel Menu, press ▲ OR ▼ to select the Service Level to adjust.
3. Press ◀ OR ▶ to change the power on channel. **NOTE:** The channel must be programmed into the current service level. The “Last” entry causes the TV to power on from the Last channel viewed, or if physical power is interrupted and restored the TV will power on to the lowest channel in the current Service Level.
4. Press the SETUP button to exit.

Channel Lock

The Channel Lock feature locks the TV to the currently viewed channel and disables the channel up and channel down TV commands. Enable Channel Lock in waiting areas to prevent patients or visitors from changing the channel.

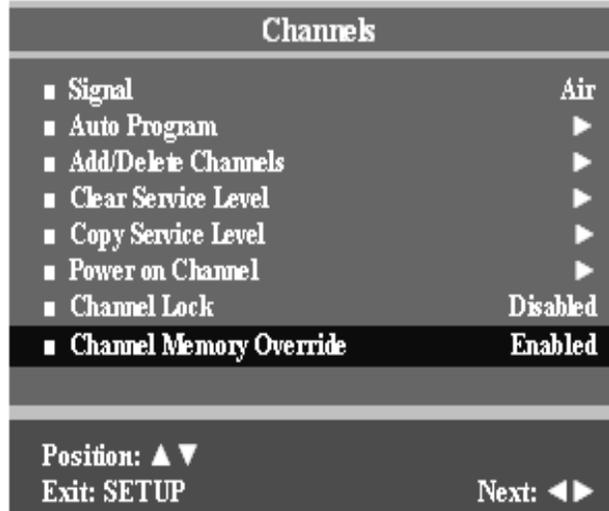
1. In the Channels menu, press ▲ OR ▼ to select Channel Lock.
2. Press ◀ OR ▶ to alternately enable or disable Channel Lock.
3. Press the SETUP button to exit.



Channel Memory Override

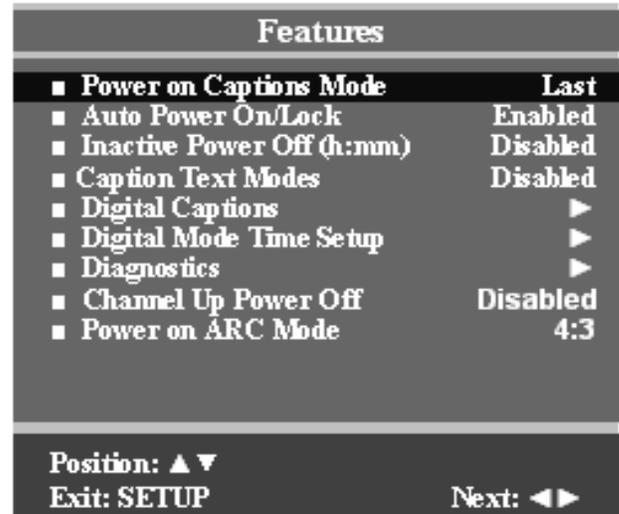
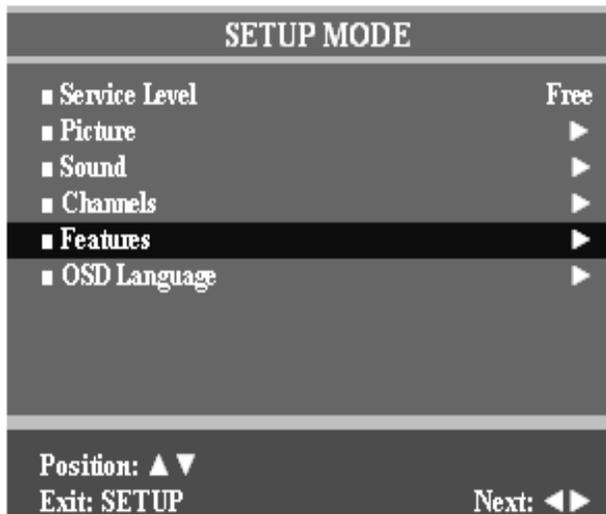
Channel Memory Override allows a channel number to be entered from either a remote control or through the TV's keypad for viewing that is not currently programmed into the current Service Level. Channel Memory Override (Disabled) would prevent access to banned channels such as a Pediatric TV tuning directly to a Maternity channel.

1. In the Channels menu, press ▲ OR ▼ to select Channel Memory Override.
2. Press ◀ OR ▶ to alternately enable or disable Channel Memory Override.
 - Disabled = Service Level Channels Only
 - Enabled = Every Channel Available
3. Press the SETUP button to exit.



Features

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



1. Press the SETUP button to display the SETUP MODE menu.
2. Press ▲ OR ▼ and select Features.
3. Press ◀ OR ▶ to select.

Power on Captions Mode

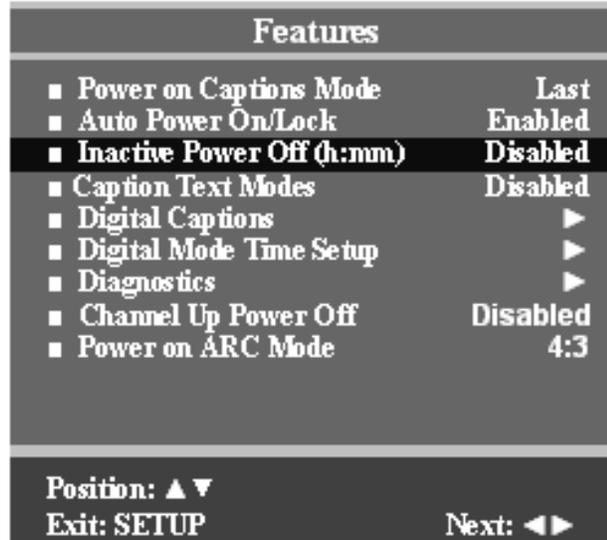
Power on Captions Mode memorizes the caption setting upon powering the TV off. With this feature set to Off, the TV will always power on with captions disabled. With this feature set to Last, the TV power on with the last used caption's setting.

Inactive Power Off (h:mm)

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

1. In Features menu, press ▲ OR ▼ button to select Inactive Power Off (h:mm).
2. Press ◀ OR ▶ to determine active time. Set to Disabled to turn off this feature.
3. Press the SETUP button to return to the preceding menu.

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



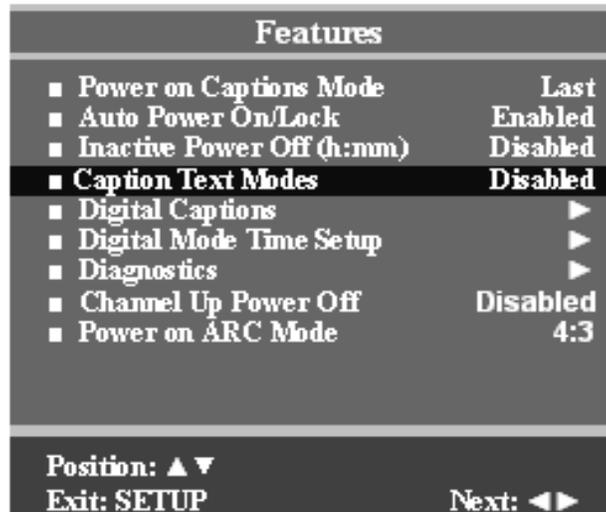
Caption Text Modes

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

1. In Features menu, press ▲ OR ▼ button to select Caption Text Modes.
2. Press ◀ OR ▶ to select Disabled or Enabled.
3. Press the SETUP button to return to the preceding menu.

Caption Text Modes = Enabled, the caption mode is displayed as shown below.
Off → CC1 → CC2 → Text1 → Text2 → Off

Caption Text Modes = Disabled, the caption mode is displayed as shown below.
Off → CC1 → CC2 → Off



Digital Captions

Customization of Closed Captions on ATSC/QAM channels.

Features	Digital Captions
<ul style="list-style-type: none"> ■ Power on Captions Mode Last ■ Auto Power On/Lock Enabled ■ Inactive Power Off (h:mm) Disabled ■ Caption Text Modes Disabled ■ Digital Captions ▶ ■ Digital Mode Time Setup ▶ ■ Diagnostics ▶ ■ Channel Up Power Off Disabled ■ Power on ARC Mode 4:3 	<ul style="list-style-type: none"> ■ Font Size Default ■ Font Style Default ■ Foreground Color Default ■ Background Color Default ■ Edge Color Default ■ Foreground Opacity Default ■ Background Opacity Default ■ Edge Style Default
Position: ▲ ▼ Exit: SETUP Next: ◀ ▶	Position: ▲ ▼ Exit: SETUP Next: ◀ ▶

1. In Features menu, press ▲ OR ▼ to select Digital Captions.
2. Press ◀ OR ▶ to select.
3. Press ▲ OR ▼ to select the desired Font attribute and adjust using the ◀ OR ▶ button.
4. Press the SETUP button to return to the preceding menu.

Digital Mode Time Setup

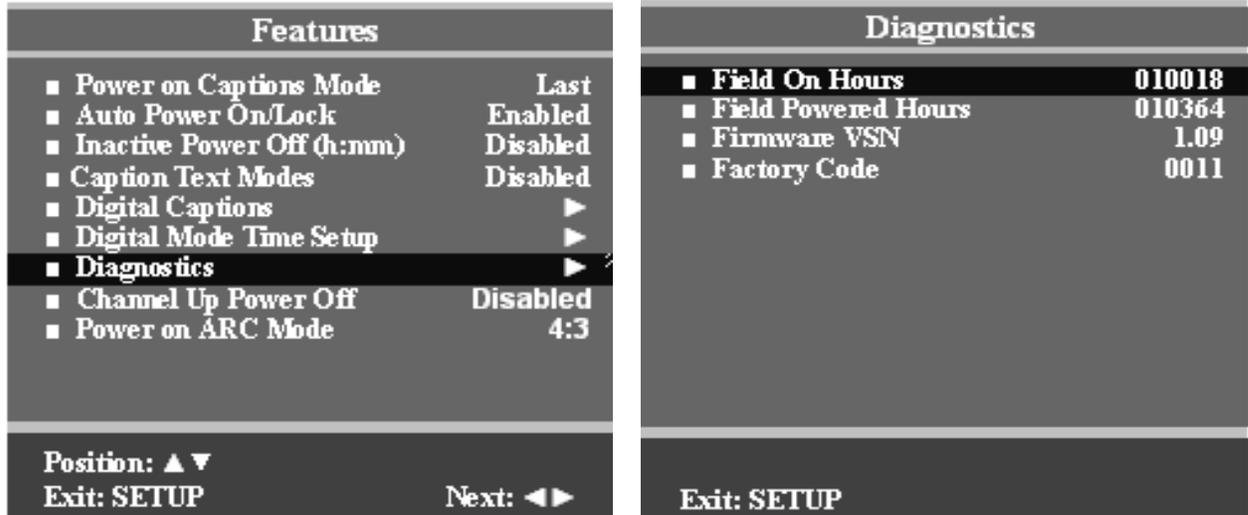
The current time will be set automatically from a digital channel signal provided by a broadcasting TV station.

Features	Digital Mode Time Setup
<ul style="list-style-type: none"> ■ Power on Captions Mode Last ■ Auto Power On/Lock Enabled ■ Inactive Power Off (h:mm) Disabled ■ Caption Text Modes Disabled ■ Digital Captions ▶ ■ Digital Mode Time Setup ▶ ■ Diagnostics ▶ ■ Channel Up Power Off Disabled ■ Power on ARC Mode 4:3 	<ul style="list-style-type: none"> ■ Time Zone Eastern ■ Daylight Saving Auto
Position: ▲ ▼ Exit: SETUP Next: ◀ ▶	Position: ▲ ▼ Exit: SETUP Next: ◀ ▶

1. In Features menu, press ▲ OR ▼ to select Digital Mode Time Setup.
2. Press ◀ OR ▶ to select your viewing area time zone; Pacific, Alaska, Hawaii, Newfoundland, Atlantic, Eastern, Central, Mountain.
3. Press ▲ OR ▼ to select Daylight Saving.
4. Press ◀ OR ▶ to select Auto, On, Off depending on whether or not your viewing area observes Daylight Saving time.
5. Press the SETUP button to return to the preceding menu.

Diagnostics

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



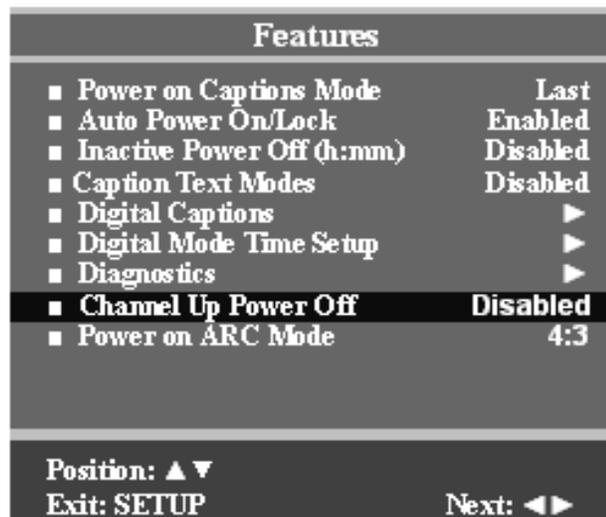
1. Features menu, press ▲ OR ▼ to select Diagnostics.
2. Press ◀ OR ▶ to select and view. **NOTE:** The Diagnostics items can not be highlight or changed. These values are read-only.

Field ON Hours:	Cumulative time TV is actually on.
Field Powered Hours:	Cumulative time TV is powered.
FW VSN:	Firmware Version.
Factory Code:	Used for Factory Diagnostics.

Channel Up Power Off

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

1. In Features menu, press ▲ OR ▼ button to select Channel Up Power Off.
2. Press ◀ OR ▶ to select Enabled or Disabled.
3. Press the SETUP button to return to the preceding menu.

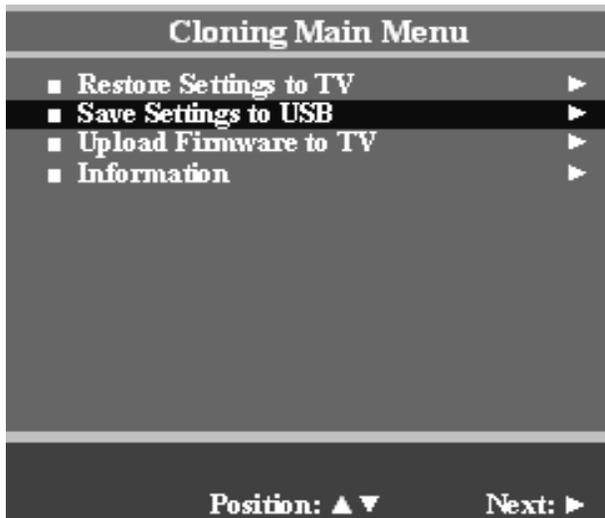


CLONING

Cloning allows quick programming of a TV from a USB memory stick (Thumb Drive). Clone operation involves first downloading setup information from a programmed host TV to a Thumb Drive and then uploading the setup information to another TV. Cloning can also be used to re-program a programmed TV.

Save Settings to USB

1. Create a directory titled "PDITDF" on a USB Thumb Drive.
2. Lift the arm's nose cover and locate the USB cable exiting the top of the TV's swivel.
3. Turn the TV on, and insert the USB Thumb Drive. A Cloning Main Menu will appear.
4. Press ▲ OR ▼ to select Save Settings to TV. Press ► to display.



5. Select the file name displayed on the second line and rename if desired. Up to 8 characters may be used.
6. Select Save to download the TV's setup to the thumb drive. A progress screen will be displayed. A confirmation screen will indicate completion of the saved file. Press ◀ to return to the main Clone menu.
7. Remove the USB drive to return to normal TV operation. Close the Arm's Nose Cover and reattach.

Restore Setting to TV

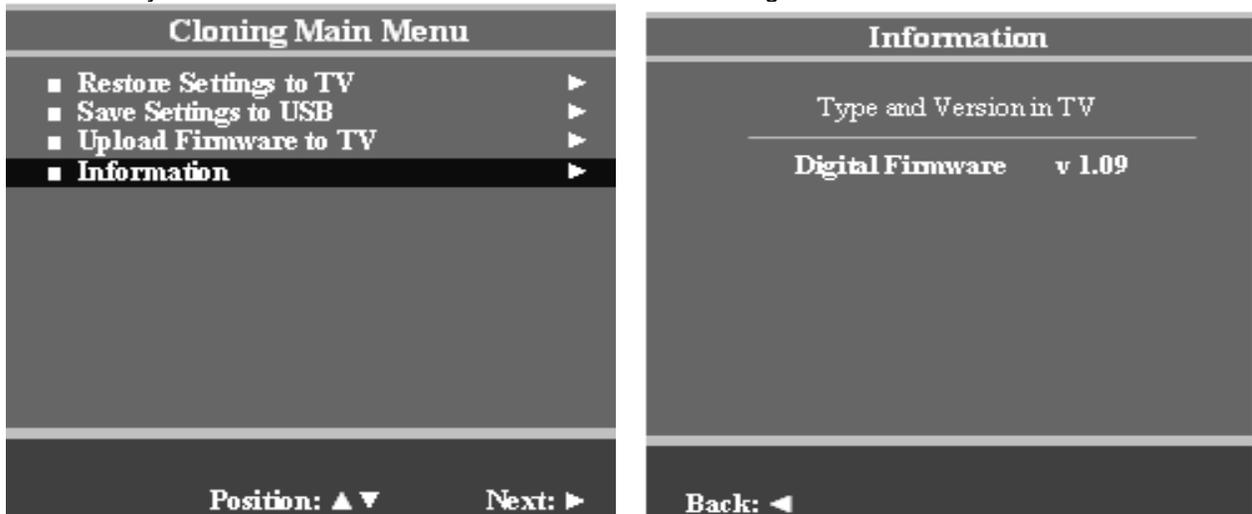
1. Lift the arm's nose cover and locate the USB cable exiting the top of the TV's swivel.
2. Turn the TV on, and insert the USB Thumb Drive. A Cloning Main Menu will appear



3. Press ▲ OR ▼ to select Restore Settings to TV. Press ► to display a list of previously stored TV setups on the USB thumb drive.
4. Press ▲ OR ▼ to select a TV's setup file. Press ▲ once.
5. A confirmation screen will appear. Press the ▲ to restore the selected setup file or press ▼ to exit without restoring. A progress screen will appear as the settings are restored.
6. Once complete, the TV will turn Off and then back On automatically.
7. Remove the USB thumb drive.
8. Verify correct programming of the TV.
9. Close the Arm's Nose Cover and fasten with provided screws.

Information

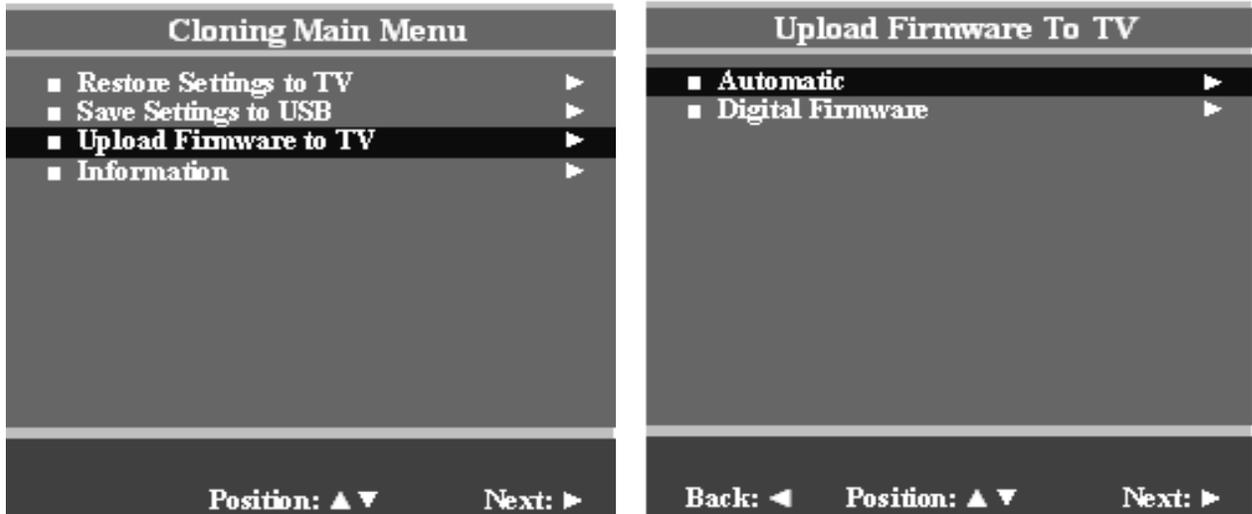
This allows you to check what version of firmware the TV is using.



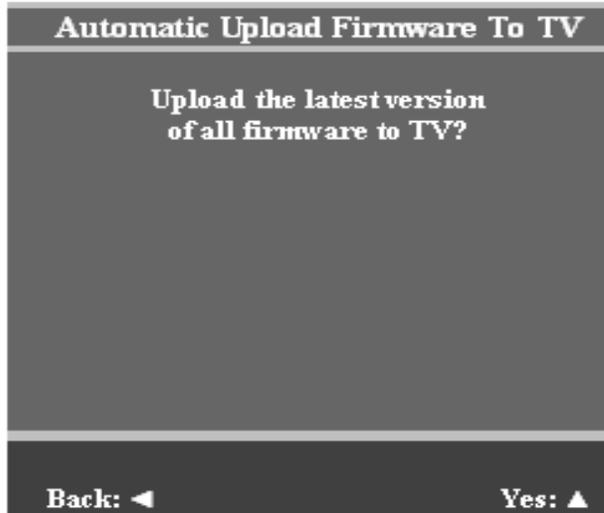
1. In the Cloning Main Menu, press ▲ or ▼ to highlight Information.
2. Press ► to display screen.
3. Press ◀ to return to the previous menu.

Firmware

The firmware for the model PDI-P10LCDD TV is field upgradeable. A data file is written to a USB flash drive, connected to the TV's USB interface cable, and updated using the TV's menus. Once complete, the TV settings must be reprogrammed.



1. Insert a USB thumb drive into a computer.
2. Create a new folder on the drive called "PDITDF", if one does not already exist.
3. Open your web browser and go to <http://www.pdiarm.com/support/>
4. Click on Firmware Updates.
5. Download the firmware you need and save it to your desktop.
NOTE: Please contact technical support if you have issues downloading the latest firmware.
6. Open the zip file you just downloaded and open the PDITDF folder on the USB drive.
7. Drag the firmware file to the PDITDF folder.
8. Remove the USB drive from the computer.
9. Lift the arm's nose cover and locate the USB cable exiting the top of the TV's swivel.
10. Turn the TV on, and insert the USB Thumb Drive. A Cloning Main Menu will appear.
11. When the cloning menu appears, press ▲ or ▼ to highlight Upload Firmware to TV.
12. Press ► and an Upload Firmware to TV menu appears.



13. Press the ▲ direction button in the Automatic Upload Firmware to TV menu to begin uploading the new firmware. Or, in Upload Firmware to TV, press ▲ or ▼ to highlight the desired version of firmware. Then press ▶ in the Upload Firmware to TV menu to begin uploading the new firmware.

NOTE: The TV will take a few minutes to upload the new version of firmware. After the uploading process is complete, you may have to turn the TV off and then on to return to normal viewing mode.

Limited Warranty

NOTE: Opening the TV set, or attempting a repair by non-PDI personnel will void the Warranty!

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

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

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

This warranty shall not apply to any PDI products subjected to improper use, negligence or accident; nor to tampering, alterations, or repairs by others, without PDI's specific prior written authorization. For information regarding authorized servicing and all other information pertaining to this warranty, please contact PDI COMMUNICATION SYSTEMS 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.

The information and technical data in this manual is believed accurate, but is not warranted and is subject to change without notice or obligation.

"PDI" and "Better Solutions Are Within Reach" are registered trademarks of PDI Communication Systems, Inc.
Copyright © 2004-2008 by PDI Communication Systems, Inc.
All rights reserved.