medTAB

Model Numbers: medTAB14D, medTAB16D, medTAB19D

Arm-Mounted, Healthcare-grade Touchscreen LED
Smart HDTV with Android™ OS
and GENiO™ Remote Device Management

GENiO™
powered by PDi

mymedTV.com

powered by PDi

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This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

CAUTION
RISK OF ELECTRIC SHOCK, DO NOT OPEN!

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

Overhead Falling Hazard
WARNING: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
TV can pose a striking hazard when mounted at an elevated position. Use only PDi mounting brackets, support arms, and appropriate hardware to assure TV will not fall from the mounted position

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

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

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

Example of Antenna Grounding as per NEC - National Electrical Code
GROUND CLAMP
MAST
ANTENNA COAX
COAX GROUNDING BLOCK (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
ELECTIC SERVICE METER PANEL
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

the cable entry as practical. Canadian installations shall be properly grounded in accordance with the Canadian Electrical Code, Part 1.
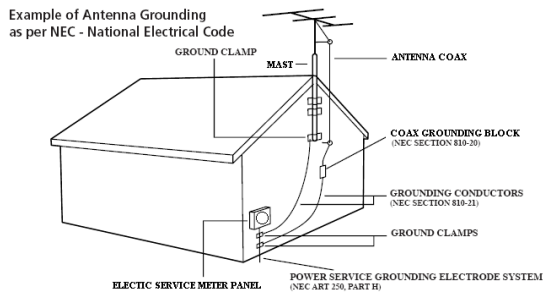
FCC
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Maintenance and Servicing
The TV does not require periodic maintenance other than cleaning. Never remove the back cover of the TV; this can expose you to high voltage and other hazards. If the TV does not operate properly, unplug it and call an authorized service center or PDi.

Cleaning and Disinfection
Clean the exterior of this television by removing dust with a lint-free cloth. Spot test a new disinfectant by test cleaning a non-obvious small spot on the TV's back cabinet, keypad, and LCD panel. PDi recommends using a premoistened disinfectant cloth, like PD600-001 Super Sani-Cloth or similar, or spraying cleaner onto a dry cloth and then wiping the unit. Specific recommendations can be found at www.pdiarm.com.
CAUTION: To avoid damage to the surface of the television, do not use abrasive or chemical cleaning agents.

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

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Underwriters Laboratories
This model Hospital Grade LCD HDTV is a specialized TV 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 healthcare facilities in both the United States and Canada.

Disclaimer
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IMPORTANT SAFETY INSTRUCTIONS

CAUTION: 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.

1. Read Instructions – All the safety and operating instructions should be read before the product is operated.
2. Keep these Instructions – The safety and operating instructions should be retained for future reference.
3. Heed all Warnings – All warnings on the product and in the operating instructions should be adhered to.
4. Follow all Instructions – All warnings on the product and in the operating instructions should be followed.
5. Water and Moisture – Do not expose this product to rain or moisture. Do not use this product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; near a swimming pool; and the like.
6. Cleaning – Please see specific recommendations under "Cleaning and Disinfection" on previous page.
7. Ventilation – Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided, or the manufacturer's instructions have been adhered to.
8. Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
9. Power-Cord Protection – Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the product.
10. Attachments – Only use attachments/accessories specified by the manufacturer.
11. Use only with 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.
12. Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
13. Servicing – Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power 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.
14. Oxygen Environment – Do not use in an oxygen tent or oxygen chamber. Such use may cause a fire hazard.
15. To prevent injury, this apparatus must be securely attached to the wall in accordance with the installation instructions. TV's can pose a striking hazard when mounted at an elevated level.
16. Power Sources – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

Ce symbole indique qu'une tension dangereuse constituant un risque de choc électrique est présente dans cet appareil.

Ce symbole indique qu'il existe des instructions d'utilisation et d'entretien importantes dans la documentation accompagnant cet appareil.

AVERTISSEMENT
RISQUE DE CHOC ELECTRIQUE, NE PAS OUVRIR!
AVERTISSEMENT: AFIN DE RÉDUIRE LE RISQUE DE CHOC ÉLECTRIQUE, NE PAS RETIRER LE COUVERCLE. L'APPAREIL NE CONTIENT AUCUN COMPOSANT SUSCEPTIBLE D'ÊTRE RÉPARÉ PAR L'UTILISATEUR. CONFIER L'ENTRETIEN À DU PERSONNEL QUALIFIÉ

CONSIGNES DE SÉCURITÉ IMPORTANTES

CETTE INSTALLATION DOIT ÊTRE EFFECTUÉE PAR UN TECHNICIEN QUALIFIÉ ET DOIT ÊTRE CONFORME À TOUS LES CODES LOCAUX. LIRE ET SUIVRE LES CONSIGNES DE SÉCURITÉ AVANT DE PROCÉDER À L'INSTALLATION.

1. Lire ces instructions.
2. Conserver ces instructions.
3. Respecter tous les avertissements.
4. Suivre toutes les instructions.
5. Ne pas utiliser cet appareil près de l'eau - par exemple près d'une baignoire, d'un lavabo, dans un sous-sol humide, ou près d'une piscine ou similaire.
6. Veuillez voir les recommandations sous "Nettoyage et Désinfection" à la Page précédente.
7. Ne pas obstruer les ouvertures de ventilation. Installer conformément aux instructions du fabricant. Les ouvertures ne doivent jamais être obstruées en plaçant le produit sur un lit, un canapé, un tapis ou toute autre surface similaire.
8. NE PAS installer près de sources de chaleur telles que radiateurs, registres de chaleur, poêles ou tout autre appareil (y compris les amplificateurs) qui produit de la chaleur.
9. NE PAS neutraliser le dispositif de sécurité de la fiche polarisée ou de terre. Ce produit est équipé d'une prise de terre à trois fils, une fiche ayant une troisième broche (mise à la terre). Cette fiche ne peut s'insérer que dans une prise de courant avec mise à la terre. Il s'agit d'une caractéristique de sécurité. Si vous êtes incapable d'insérer la fiche dans la prise, contacter votre électricien pour remplacer votre prise obsolète.
10. Protéger le cordon d'alimentation pour qu'il ne soit pas piétiné ni pincé, en particulier au niveau des fiches, des prises de courant et au point de sortie de l'appareil.
11. Accessoires - Utiliser uniquement les attaches/accessoires recommandés par le fabricant.
12. Utiliser uniquement avec un chariot, stand, trépied, support ou table recommandé par le fabricant ou vendu avec l'appareil. Lorsqu'un chariot est utilisé, faire attention lors du déplacement de l'ensemble chariot/appareil afin d'éviter des blessures en cas de basculement.
13. Débrancher cet appareil en cas d'orages ou lorsqu'il reste inutilisé pendant de longues périodes.
14. Confier toute réparation à un personnel de service qualifié. Des réparations sont nécessaires si l'appareil est endommagé d'une façon quelconque, par exemple : cordon ou prise d'alimentation endommagé, liquide renversé ou des objets sont tombés dans l'appareil, l'appareil a été exposé à la pluie ou à l'humidité, ne fonctionne pas normalement ou s'il est tombé.
15. Sources d'alimentation - Ce produit doit être utilisé uniquement à partir du type de source d'alimentation indiqué sur l'étiquette. Si vous n'êtes pas sûr sur le type d'alimentation de votre domicile, consultez le détaillant de votre produit ou la compagnie d'électricité locale. Pour les produits proposés de fonctionner par piles, ou autres sources d'alimentation, reportez-vous aux consignes d'utilisation.
16. Environnement d'oxygène - Ne pas utiliser sous une tente à oxygène ou chambre à oxygène. Une telle utilisation peut causer un risque d'incendie.

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INTRODUCTION

The med**TAB**® model-D includes cloud-based GENiO™ remote content management software. medTAB can deliver a custom patient TV experience with your brand logo, weblinks to your patient education videos, daily menus, video call software, patient surveys, and more. This affordable solution is easy to manage with NO ADT integration. This complete, customizable, personal patient television system by PDi delivers a touchscreen experience that patients understand and enjoy as soon as they touch it. Contact PDi for more information on using GENiO to create a customized user interface with your weblinks or custom applications.

Not ready to customize? medTAB is simple and scalable out-of-the-box. Choose to setup TV with internet or offer patients expanded entertainment with built-in tv, games and relaxation apps, no internet required. When connected to the internet via WIFI or Ethernet, without customization, patients also enjoy access to a web browser, social sites, and a direct link to health news at cdc.gov.

INSTALLING THE TELEVISION

Installation Precautions

For models powered over coax, use only a power source from PDi suitable for use in a healthcare facility. The single coaxial cable on top of the TV is used to supply both low voltage AC or DC power (28VAC or 24VDC) and RF signal to the television.

For models powered by ethernet (PoE) use only UL listed power sourcing equipment that offers 60W per port using all 4 pairs for power delivery. This is sometimes called **UPoE**, **PoE++** or **802.3bt type 3**. PDi recommends the **Microchip Microsemi PD-9506G/ACDC/M** midspan power inserter. The ethernet cable on top of the TV is used to supply both power and data. Be sure power is not applied to the coaxial cable entering the TV.

Coax Cable Specifications

When using a central power supply, cable selection is crucial. 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 M4182 (replaced 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 TVs.

Category Cable Specifications

PoE models are IEEE 802.3bt compatible. When using a PoE power inserter to apply power to ethernet, CAT5e or better cable may be used. The total cable length from network switch to PDI device may be up to the standard 330ft.

Arm Mounting

This television is designed to attach to a PDi suspension arm.
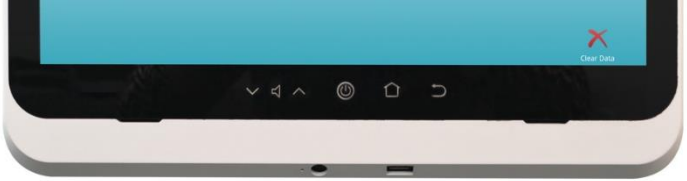
Arm Recoil Hazard: The safety brake pin must remain in the SAFETY BRAKE PIN HOLE whenever the television is removed from the arm or when the arm is removed from the wall bracket to prevent INJURY from the arm springing open. **Note:** Contact PDi for additional information on arm compatibility and cable requirements.

KEYPAD CONTROLS

Keypad buttons vary by model as shown below. Each model has at least a HOME and BACK button.

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medTAB¹⁴	
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INITIAL SETUP

The following instructions assume you have correctly mounted the TV and connected a cable that provides power and RF signal.

Out-of-the-box, the first time you power on the Android™ based med**TAB** patient television, you must select the desired user interface (UI) and press the green CONFIRM button. The device will REBOOT automatically.

Setup choices out-of-the-box include:

- **Offline / No Internet**, the 3-icon image for TV, games, and relaxation without internet access. Select and press CONFIRM.
- **Online / Internet**, the 6-icon image for full internet access, now including cdc.gov weblink for patient education. You must connect to the Internet via ANDROID SETTINGS shown below before you choose to use the Online interface. Press green button on SETUP menu to CONFIRM.
- **Connect your device to the GENiO cloud-based server**. An account with GENiO remote management allows you to have a customized patient TV experience with your brand logo, weblinks to your patient education videos, daily menus, video call software, patient surveys, and more. No ADT integration is required. You will need a GENiO subscription. Work with PDi or authorized reseller to customize your user interface and get your Project ID. You must connect to the Internet via ANDROID SETTINGS shown below before you enter your ProjectID in the blue ProjectID button to connect the device to the GENiO cloud server. Press green button on SETUP menu to CONFIRM.

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NOTE: To change your user interface, please see further instructions below.

A description of the default Main Menu apps and screenshots follows:

1. **TV-Games-Relaxation** apps are all active without internet connection.
2. **Education - Internet Browser – Social** are URL browser links available once you connect to WIFI or Ethernet (See Android Network Settings below). The Education icon defaults to the website cdc.gov for general patient education information. The Social icon defaults to Facebook, Instagram. LinkedIn, Pinterest, Twitter, and YouTube. The internet browser defaults to Google on Chrome.
3. **Clear Data –** Patients can choose to clear cache memory on-demand using the Clear Data feature on the Main Menu. Cache is automatically erased when the device powers OFF or times out.
4. **Black Toolbar –** This provides shortcuts for BACK or HOME. The HOME button will take the patient user directly to the Main Menu. The BACK arrow will take the patient user back one screen at a time. BACK is also used by the administrator during system settings.
5. med**TAB** Logo in top left corner is used to access system settings.

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CHANGE USER INTERFACE

1. To change the user interface, follow instructions below to UNLOCK ANDROID SETTINGS. For GENiO or Online Interface, you will need to click thru to SETTINGS to make a network connection to enable the Internet.
2. Touch the screen outside of the pop-up keyboard to clear the keyboard from view if shown.
3. Press RESET button at the bottom of Device Internals menu which you will see first.
4. Press YES to confirm.
5. Choose online or offline setup or press the PROJECT ID button to enter your ID.
6. Press green button to CONFIRM.
7. The device will automatically reboot to your new interface.

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UNLOCK ANDROID SETTINGS MENU

Press and hold the "med**TAB**" logo on the top left of the screen or you may press the date on the top right of the screen. The Unlock Settings keypad will appear. Enter the default passcode "45066", then press "OK".

The person who will be responsible for managing the network on the device and updating it should know the passcode.

NOTE: This passcode cannot be changed.

DEVICE INTERNAL SETTINGS

The first menu to appear on-screen after entering the passcode to unlock Android device settings is the Device internals menu.
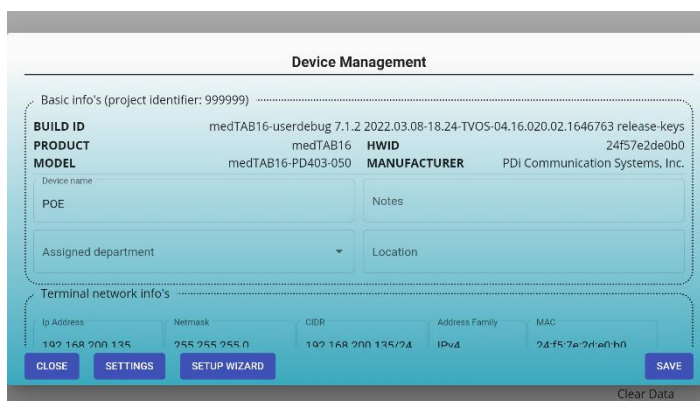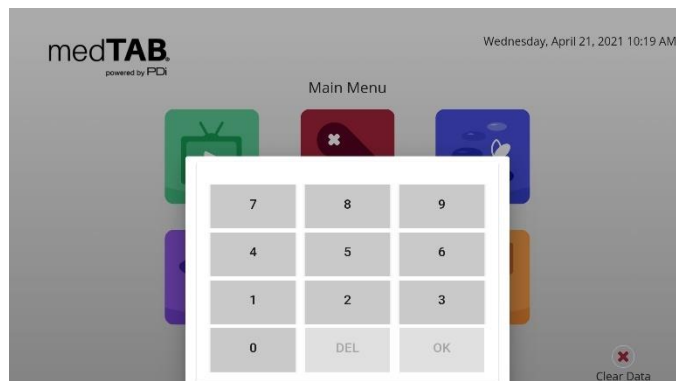
1. Initially, for GENiO or Online Interface, you will need to click thru here to SETTINGS to make a network connection to enable the Internet. This screen shows two-way information so once you connect to the network, it will pull in information from GENiO to display here.
2. You may also manually enter information here on the Device Internals menu. For example, if you are moving a medTAB to another room, you can edit info directly on the device here.
3. Once you enter information, press SAVE.

If you make a mistake, you can press the RESET button.

ANDROID SETTINGS

The Settings screen is where you can adjust network, source inputs, sleep timer, other account settings, OTA, and factory reset. First unlock Android settings menu per above. At any time, touch BACK Arrow on black toolbar at bottom of display screen to exit out of the Settings screens.

NOTE: TV Settings are not found here. To make changes to the television, you must first open the green TV app found on the home screen, see TELEVISION SETTINGS.

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Android Device Settings

1. **Settings – Network.** Connect to the internet via WIFI or Ethernet. Verify network settings here. To search for WIFI networks, simply touch the word Wi-Fi or slide the Wi-Fi toggle to the right/ON. If the device finds a network previously used, it will reconnect to it. Touch the network name to see more details or enter WIFI password to connect to the network. Connect to Ethernet or view IP Settings.

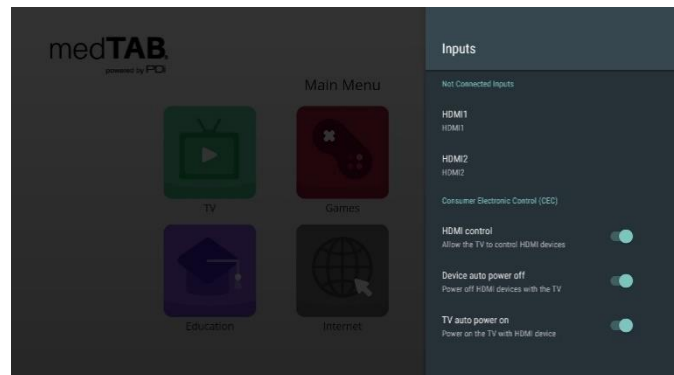   **NOTE:** touch BACK Arrow on black toolbar to go back one menu.

   NOTE FIREWALL SETTINGS:
   The medTAB has no special firewall requirements to access the web and the GENiO servers. The only external port used is 443 HTTPS. As some websites still use port 80 HTTP, PDi recommends allowing it as well.
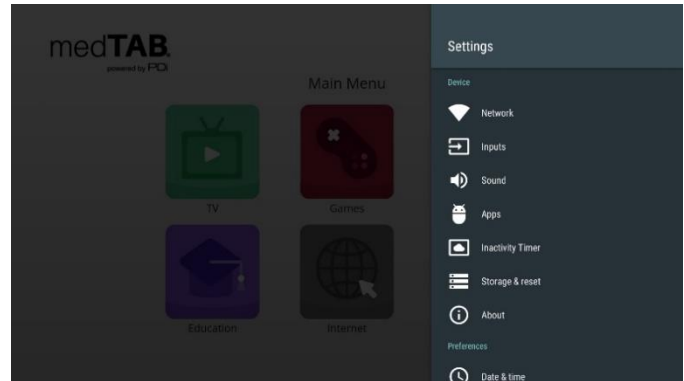
2. **Settings – Inputs.** Identify your HDMI input sources from a list of common names. You can also enable/disable CEC controls (Consumer Electronic Controls) such as
   HDMI Control - allow the TV to control HDMI devices,
   Device Auto Power Off - power off HDMI devices with the TV power
   TV Auto Power On -power on the TV with HDMI device.

   NOTE: touch BACK Arrow on black toolbar to go back one menu.

3. **Settings – Sound.** Set surround sound on Auto/Always/Never. **NOTE:** touch BACK Arrow on black toolbar to go back one menu.

4. **Settings – Apps**. Set App permissions, and review system app settings. **NOTE:** touch BACK Arrow on black toolbar to go back one menu.

5. **Settings - Inactivity Timer.** Choose when to put device into Sleep mode: Never – 2 min – 5 min – 10 min – 20 min – 30min – 1hour. Default setting is 5 min.

   NOTE: touch BACK Arrow on black toolbar to go back one menu.
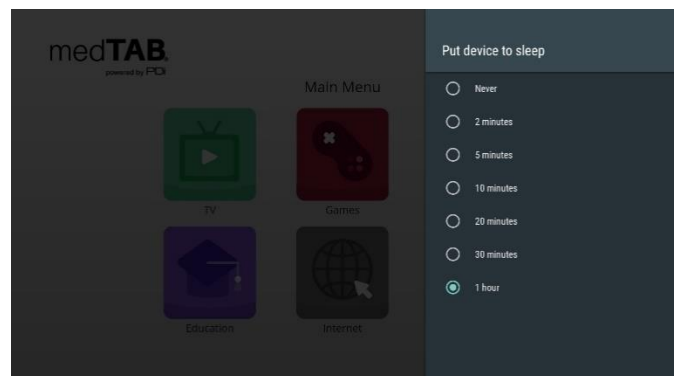
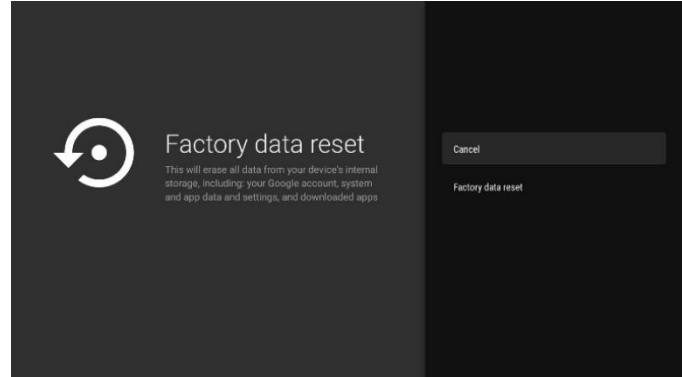6. **Settings – Storage & reset**. View shared storage space or reset device to factory settings.

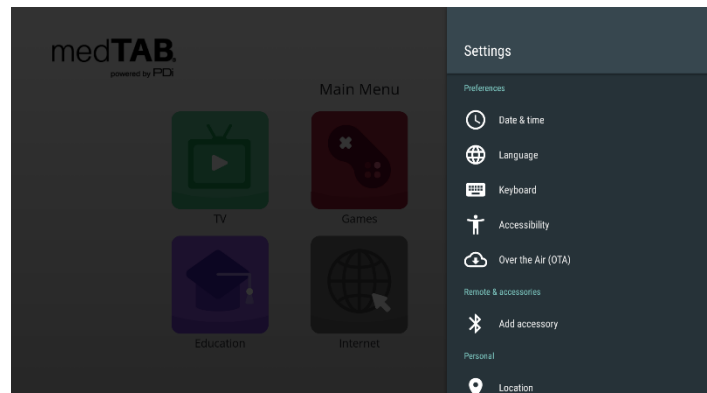   **NOTE:** touch BACK Arrow on black toolbar to go back one menu.

7. **Settings – About.** The About menu is where you can find important information about the Android system. It cannot be edited. Information shown includes model number, serial number, build version, kernel version, legal and more reference data.

   NOTE: touch BACK Arrow on black toolbar to go back one menu.
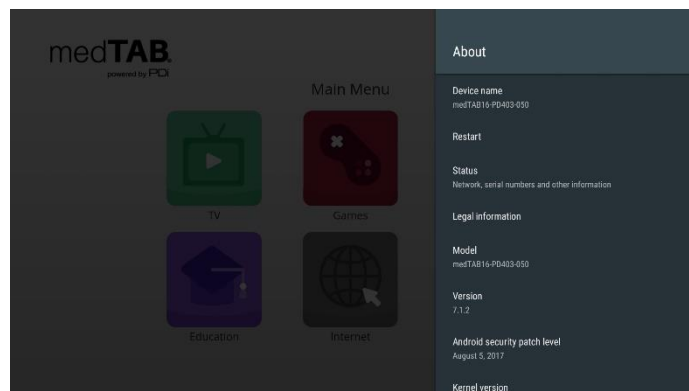
Settings – Preferences UPDATE IMAGE
1. **Settings - Date & time.** Use this menu to adjust Date & Time. Use BACK arrow to return to Settings menu. The day, date and time appear on the Main Menu screen. If you use GENiO, you have the option to hide this information.
2. **Settings – Language.** Default language is English (US). If you choose an alternate language, it will change the menu and the web browser language.
3. **Settings – Keyboard.** Device includes AOSP keyboard and Gboard.
4. **Settings – Accessibility.** Set captions or high contrast text (experimental) only.
   Settings - Over the Air (OTA). OTA allows you to update the Android build. Select "Check for System Updates" to download the latest image, if necessary. If given a custom OTA, you can edit the configuration build filename and Archive suffix filename here. Use BACK arrow to return.
   NOTE: Internet is required to perform the system update. Please contact PDi ProServices for help updating your device. Phone 800.628.9870.

TELEVISION SETTINGS
The TV setup on 14" and 16" devices can be done using either the touchscreen or a PDi programming remote; the 19" does not have IR remote capability. On the 19" devices you must do all programming using the touchscreen. If you choose to use the PDi programming remote (Part Number PD108-420), that must be ordered separately. Using the PD108-420 remote, use the LAST button in place of the BACK function on the touchscreen.

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NOTE: If the SETUP screen goes blank while you are changing any settings, simply touch the screen or press SETUP on the programming remote PD108-420.

Accessing TV Settings and Setup
To make changes to the television settings, you must first open the green TV app found on the Main Menu. Touch the screen to get the pop-up TV remote or if using a 14" or 16" TV you can press SETUP on the PD108-420 programming remote. Touch Settings sprocket to open TV Settings on the TV app user controls. Enter the Settings menu password (See pg. 10 for default password) then touch the blue checkmark on the touchscreen or press "OK" on remote.

From the onscreen user interface, press Settings on the TV app user controls or press SETUP on the PD108-420 remote. The Settings menus are password protected. Enter password (See pg. 10 for default password) then touch the blue checkmark on the touchscreen or press "OK" on remote.
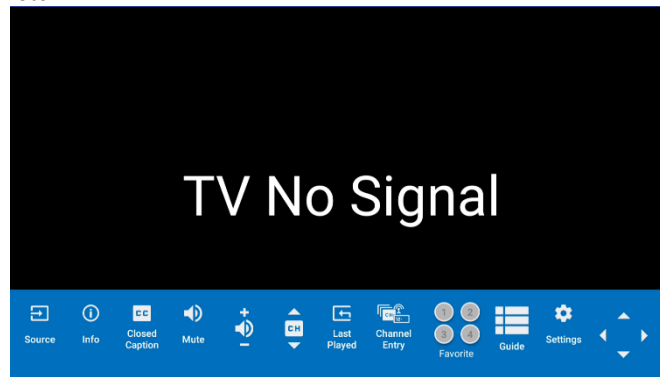
CHANNEL SETUP
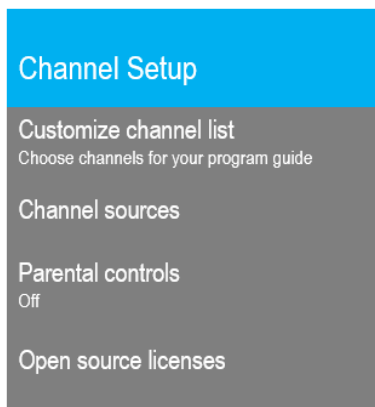
This TV offers three different programmable service levels: Free, Basic, and Premium. Only one service level is usable at a time.

Auto Program
During Auto Program, the TV scans each available channel for activity. Channels that display activity are memorized into the selected Service Level.

From the TV app:
1. Select Settings. Enter Password (See pg. 10 for default password)
2. Select Channel Setup
3. Select Channel sources to open the menu to set up your sources
4. Select TV

1. Set the Service Level you are programming **(Free, Basic, Premium).**

2. Set the Antenna Type **(Air or Cable)** depending upon the healthcare facility's signal style.
3. Select Auto Tuning to go to next step
4. Service Level and Antenna Type carry over from the prior menu. Confirm that these are correct.
5. Set the Search Type (ATV, DVT, ATV+DTV)
   ATV = Analog Only: TV searches for analog channels only.
   DTV =Digital Only: TV searches for digital channels only.
   ATV+DTV = Analog and Digital: TV searches for both analog and digital channels.
   Note: Any tuning mode that includes digital channels will require several minutes to complete the auto programming.
6. Press the Search button to start scanning. When auto programming is complete, press OK.
7. Touch BACK or press LAST on TV remote to exit settings.
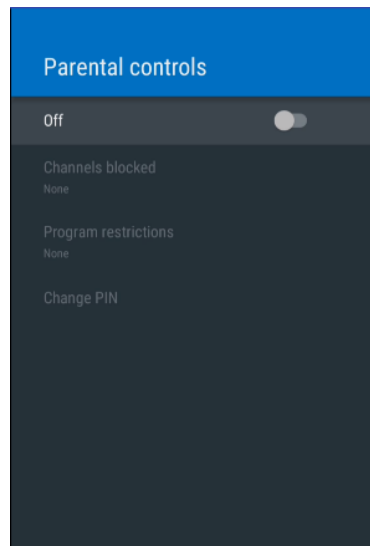
Customize Channel List
From the TV app:
1. Select Settings. Enter Password (See pg. 10 for default password).
2. Select Channel Setup.
3. Select Customize channel list.
4. Scroll thru the channel list and uncheck any channels you want to exclude from the channel list.
5. Touch BACK or press LAST on TV remote to exit settings.

Parental Controls
Parental Controls allow you to block channels, TV shows, and movies. The default setting for parental controls is set to OFF. To enable parental controls,

From the TV app:
1. Select Settings. Enter Password (See pg. 10 for default password)
2. Select Channel Setup
3. Select Parental controls
4. To enable parental controls, create a pin.
5. Slide the toggle button to the right to turn parental controls on.

Channels blocked: Use this setting to block channels from the line up by selecting the channels from the list.

Program restrictions: Use this setting to filter programs based on their rating as classified by the rating systems explained below.

Rating Systems
1. There are four Rating Systems: Canada, Canada (French), United States, and United States (Film ratings) as shown below. Note: For details Canada (French) rating system, contact PDi.
2. You can choose between High Restrictions (content suitable for children), Medium Restrictions (content suitable for older children), Low restrictions (Content suitable for teens), Custom (Manual restrictions) or None.

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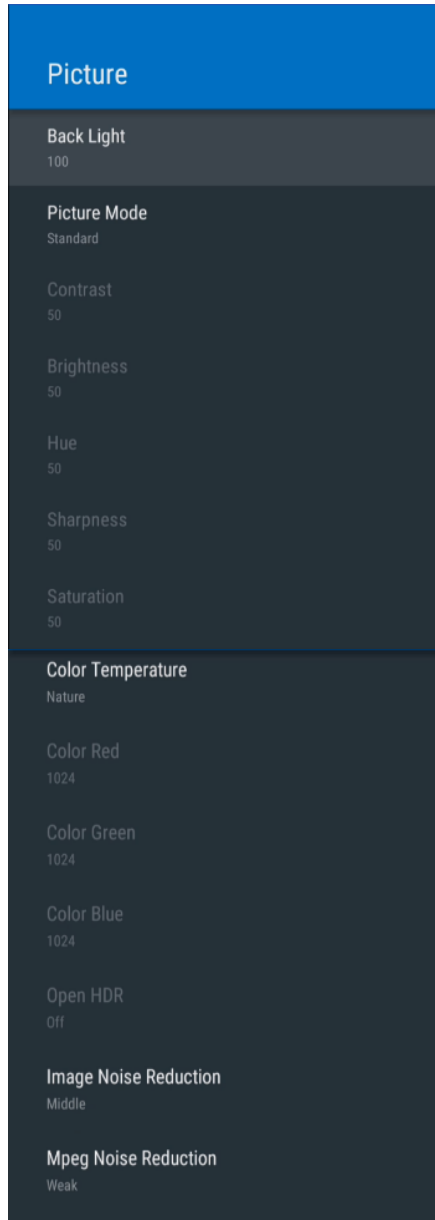| Canada Ratings		
E	Exempt	Exempt programming includes news, sports, documentaries and other information programming; talk shows, music videos
C	Young Children	Content not offensive to most viewers. Intended for younger children under age 8 years.
C8	Children 8 and over	Considered suitable for children over 8 years. It is suggested a parent/guardian co-view programming.
G	General Audience	Considered suitable for all audiences and appropriate for entire family.
PG	Parental Guidance	Suggested Unsuitable for younger children, may contain: Suggestive Dialogue, Bad Language, Sex, and Violence Scenes
14+	Parents Strongly Cautioned	Unsuitable for children under 14, may contain; Strong Dialogue, Bad Language, Sex, and Violence Scenes.
18+	Mature Audience Only	Adults only, may contain: Strong Dialogue, Bad Language, Sex, and Violence Scenes

US Ratings		
TV-Y	Young Children	Content designed to be appropriate for all children.
TV-Y7	Children 7 and over	Considered suitable for children age 7 and above.
TV-G	General Audience	Considered suitable for all audiences; most parents would find this suitable for all ages.
TV-PG	Parental Guidance	Suggested Unsuitable for younger children. Many parents may want to watch together with children.
TV-14	Parents Strongly Cautioned	Unsuitable for children under 14, may contain; Strong Dialogue, Bad Language, Sex, and Violence Scenes.
TV-MA	Mature Audience Only	Adults only, may contain: Strong Dialogue, Bad Language, Sex, and Violence Scenes

US Film Ratings		
G	General Audiences	Content not offensive to most viewers
PG	Parental Guidance Suggested	May contain some material parents might not like for their young children.
PG-13	Parents Strongly Cautioned	Program is inappropriate for preteens, with a greater degree of offensive material suggested than a PG rated program
R	Restricted Viewing	Not for children under age 17. Contains some adult material, strong elements of sex and/or violence.
NC-17	No Children under age 17	Not for children age 17 or younger, under any circumstances. Strong sexual content or violence.
NR	No Rating	MPAA not rated.

ADVANCED OPTIONS – PICTURE

Picture

Back Light
100

Picture Mode
Standard

Contrast
50

Brightness
50

Hue
50

Sharpness
50

Saturation
50

Color Temperature
Nature

Color Red
1024

Color Green
1024

Color Blue
1024

Open HDR
Off

Image Noise Reduction
Middle

Mpeg Noise Reduction
Weak

Use this menu to adjust Picture settings shown below. Touch BACK or press LAST on TV remote to exit settings.
From the TV app:
1. Select Settings. Enter Password (See pg. 10 for default password)
2. Select Advanced Option
3. Select Picture

Back Light can be adjusted from 0 to 100. This setting applies to all TV and Android screens.

Picture Mode includes 8 automated options to adjust the picture quality: Dynamic, Standard, Soft, User, Game, Vivid, Natural, and Sports Picture Mode.

The picture settings can also be adjusted manually. Contrast, Brightness, Hue, Sharpness, and Saturation have a range of 1-100.

Color Temperature can be set to Cold, Nature, Warm, or User defined. User defined allows for manual adjustment of Red, Green, Blue along a scale of 0 to 2048 intensity.

Image Noise Reduction options include Off, Weak, Middle, Strong, and Auto. This setting reduces noise from the image on the TV.

Mpeg Noise Reduction options include Off, Weak, Middle, and Strong. This setting cleans up block noise around outlines and mosquito noise on the background.

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ADVANCED OPTIONS – SOUND

From the Sound menu, you can customize the speaker settings. This allows you to set max volume levels, disable internal speakers, etc. Touch BACK or press LAST on TV remote to exit settings.
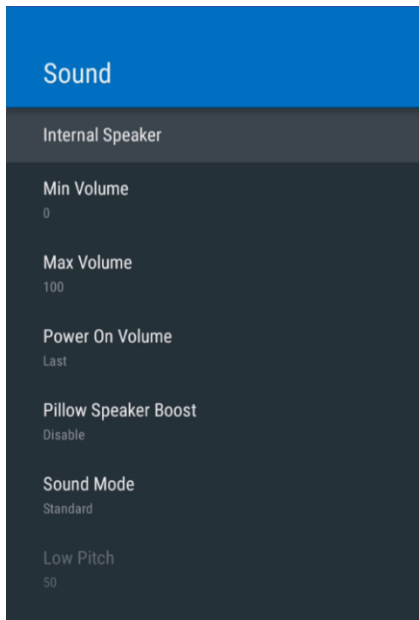
From the TV app:
1. Select Settings. Enter Password (See pg. 10 for default password)
2. Select Advanced Option
3. Select Sound

Internal Speaker

The TV's internal speakers can be enabled or disabled by TV source/input requiring the use of a headphone for private listening. This option is commonly used in dialysis clinics and multiple occupancy rooms. Uncheck the boxes next to the sources/inputs for which you want the internal speakers disabled. To ensure the speakers are always disabled, uncheck all boxes.

Minimum Volume

Sets the minimum volume level the unit 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. Touch the sliding scale to adjust volume from 0 to 100.

Maximum Volume

Sets the maximum volume level the TV can reach. Touch the sliding scale to adjust volume from 0 to 100.

Power on Volume

Sets the initial volume for the TV upon powering on. Options include "Use last volume" or "Set volume" to manually set the power on volume level. 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 (ie. a power outage), the TV will power on with a volume of zero.
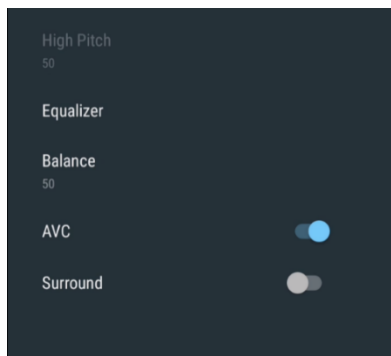
Pillow Speaker Boost

Disable, Normal or Strong audio for pillow speakers.

Sound Mode

Sound Mode can be set to Standard, Music, Movie, Sports, or User defined. User defined allows you to set the Low Pitch and High Pitch from 0 to 100.

Equalizer

Sound adjustments can be made at 5 levels 120 Hz, 500 Hz, 1.5 KHz, 5 KHz, and 10 KHz from 0 to 100.

Balance

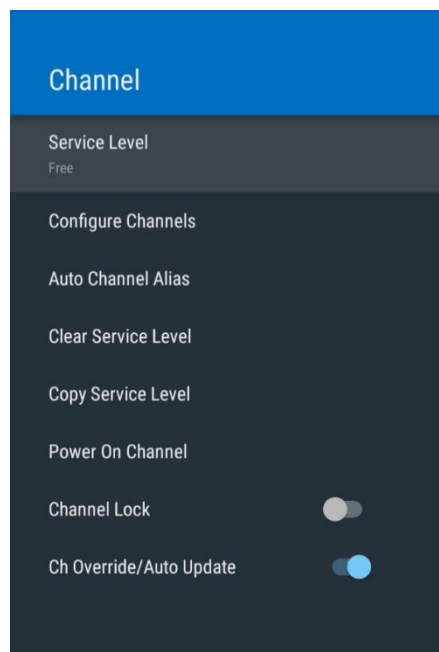Adjust speaker volume left to right.

AVC or Surround Sound

Automatic Volume Control (AVC) and Surround can be set to On/Off for these two settings.

SRS

N/A

ADVANCED OPTIONS – CHANNELS

The Channel menu allows the following controls:

From the TV app:
1. Select Settings. Enter Password (See pg. 10 for default password)
2. Select Advanced Option
3. Select Channel

Service Level
Set the appropriate service level (Free, Basic, Premium)

Configure Channels
This setting allows individual channel numbers to be reassigned and individual channels to be assigned to different service levels.

Auto Channel Alias
This setting automatically assigns a sequential channel number to the channels in the list. Select the appropriate option: Fill Analog Gaps with Digital Channels, Renumber Only Enabled Channels, Renumber All Channels, or Remove All Aliases.

Clear Service Level
This setting clears the channel map for the specified service level

Copy Service Level
This setting copies the channel map from one service level to another service level (ie. Free copied to Basic).

Power on Channel
Power on Channel will display a certain channel each time the TV is turned on. This feature is useful for hospitals that have a Welcome Channel and wish to have it displayed upon initial use of the TV. The patient can then tune to any other available channel. To set the power on channel select the applicable service level, then scroll through the channel list and select the desired power on channel.

Channel Lock
Channel lock will fix the TV to a specific channel. To enable channel lock, tune the TV to the desired channel. Then go to the Advance Option – Channel menu per the instructions above. Toggle the Channel Lock option to the right.

Channel Override/Auto Update
Override allows any channel to be entered using the TV remote's number pad, even if the channel is not memorized in the current Service Level. Toggle the switch to turn Channel Override On/Off.

Signal Information
You can display signal information on the current channel here. The information shown includes Antenna Type, Channel number, and Signal Strength.

ADVANCED OPTIONS – HDMI
> **HDMI Control -** allow the TV to control HDMI devices,
> **Device Auto Power Off -** power off HDMI devices with the TV power
> **TV Auto Power On -**power on the TV with HDMI device.

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ADVANCED OPTIONS – TIME
View clock settings, adjust on/off time settings, and sleep timers through this menu.

From the TV app:
1. Select Settings. Enter Password (See pg. 10 for default password)
2. Select Advanced Option
3. Select Time
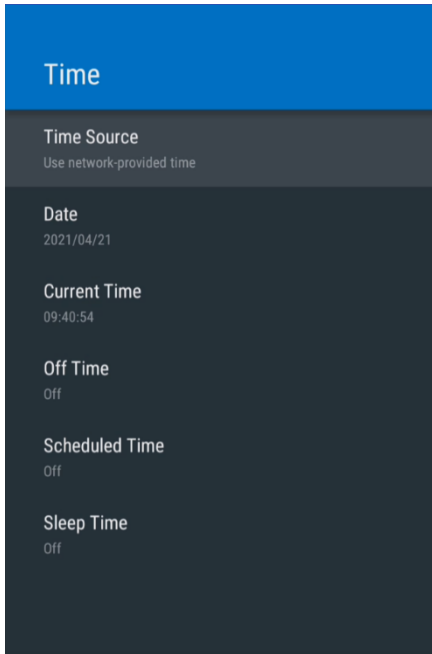
Time Source
You may choose to use network provided time or DTV time source.

Date and Current Time
Displays current date and Current Time settings. This can not be changed.

Off Time
Set the TV to turn OFF automatically at a specified time. Toggle the menu item to on and then set the Off time.

Scheduled Time
Set the TV to turn ON automatically at a specified time. Toggle the menu item to on and then set the On time.

Sleep Time
The Sleep Time function can be set to OFF, 10-20-30-40-50-60-90 min, or 2-3-4-5-6-7-8 hrs.

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ADVANCED OPTIONS – FEATURES
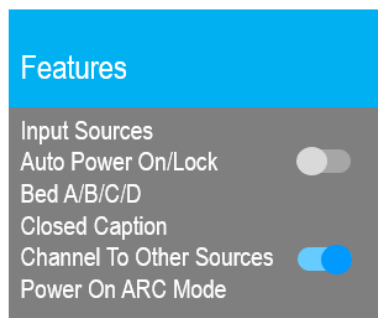
From the TV app:
1. Select Settings. Enter Password (See pg. 10 for default password)
2. Select Advanced Option
3. Select Features

Input Sources
The TV's signal sources can be individually Enabled or Disabled. The available sources in this menu correspond with the components you have connected to the TV's connectors. Change the source status to either *Disabled* or *Enabled/APO* (Auto Power Off) or *Enabled/No APO* (No Auto Power Off).

NOTE: Please disable all TV sources that are not to be used. A TV that is switched to a non-connected source generates nuisance hospital maintenance calls of TV Not Working, when in fact the TV does work, but has been set to an inactive source.

For Bella operation, HDMI input must be enabled for Set-Top-Box HDMI Video/Audio.

Auto Power On/Lock
This toggle switch will allow the TV to remain on whenever electrical power is applied to the set. The feature is useful for controlling the TV from a wall switch or preventing the TV from being turned off by the TV power button or the remote control.

Bed A/B/C/D
The TV can be controlled by a patient IR remote. The TV offers selectable codes Bed A, Bed B, Bed C, and Bed D for independent control of a single television in a multi-television room. **NOTE:** The patient remote can be toggled between Bed A, Bed B, Bed C, and Bed D codes by using a paperclip to press the CODE button on the remote.

Closed Caption
Modify closed caption settings here. Set Closed Captioning to On, Off or On When Mute. Use Power On CC Mode menu item to set CC to Off or Last.

Channel to Other Sources
By enabling this setting, patient can access enabled sources by channeling up or down at the end or beginning of the channel map. To enable, slide toggle to the right or ON position.

For Bella operation, "*Channel to Other Sources*" must be enabled for the HDMI Video/Audio source. Otherwise, the "TV/AV" button will need to be pressed on the PDI remote.

Power On ARC MODE
Change from the default 16:9 to 16:9 Panorama, 14:9, 4:3, or Last

Power On Source
Set source to use when TV powers on. Choose from Last, TV, HDMI1 or HDMI2.

Analog Pillow Speaker
Toggle switch to turn On/Off analog pillow speaker controls.

ADVANCE OPTIONS – SYSTEM
Find useful information about your device and manage cloning and firmware

From the TV app:
1. Select Settings. Enter Password (See pg. 10 for default password)
2. Select Advanced Option
3. Select System

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Diagnostics

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

Field On Hours: Cumulative time TV is actually on.
Field Powered Hours: Cumulative time TV is powered.

Reset to Factory Defaults

Use this setting to restore the TV to factory defaults.

USB Cloning

Cloning allows you to easily copy settings and channels from one PDi TV to other PDi TVs. Clone operation involves first downloading setup information from a programmed host TV to a USB memory stick (thumb drive) and then uploading the setup information to another PDi TV. Alternatively, clone files can be loaded to the RF-HEMiS Head-end TV Server by PDi and distributed to other TVs. Cloning can also be used to re-program a programmed TV.

Save Settings to USB
1. In the TV app, select Advanced Option – System
2. Insert a USB thumb drive into the cloning port and open USB Cloning. The USB Cloning Menu will appear.
3. Select Save Settings to USB.
4. If desired, rename the *.TDF file with the touchscreen keyboard.
5. Press Save. Remove USB.

Restore Settings from USB
1. In the TV app, select Advanced Option – System
2. Insert a USB thumb drive used above into the cloning port and open USB Cloning. The USB Cloning Menu will appear.
3. Select Restore Setting to TV.
4. Press Save. Remove USB.

RF Cloning

The difference between Auto RF cloning and Manual RF cloning is Auto Cloning will look for an update whenever the TV is powered on by itself. Manual cloning simply triggers the process when you press the manual cloning button in that menu. It's a way for someone to be able to walk up to a TV that hasn't been powered down and tell the TV to search for a new RF cloning update.

USB Firmware Update

The firmware is field upgradeable, but normally does not require this process and should be performed by the hospital technician. A special data file is required from the PDi factory to complete this process. Firmware files are written to the root directory of a blank USB Flash Drive, connected to the TV's Cloning port and updated using the TV's menus. Once complete, the TV settings must be reprogrammed.

Security

You can manage the setup password here. You can Enable/Disable setup menu password protection or change the password here. **NOTE:** The factory default password that is programmed into the TV is 45066.

Support Information

PDi Communication Systems, Inc.
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Limited Warranty
PDi Communication Systems Inc., ("PDi") standard warranty information is found at pdiarm.com. For information regarding authorized servicing and all other information pertaining to this warranty, please contact PDi COMMUNICATION SYSTEMS, INC. at 40 Greenwood Ln, Springboro, Ohio 45066 or phone 800-628-9870 and ask for the PDi ProServices team.

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