WARNINGS

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

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

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

OVERHEAD FALLING HAZARD
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. Failure to do so may cause injury or death.

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

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

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

CLEANING AND DISINFECTION
Clean the exterior of this television by removing dust with a lint-free cloth. CAUTION: To avoid damage to the surface of the television, do not use abrasive or chemical cleaning agents. Spot test a new disinfectant by applying test cleaning a non-obvious small spot on the TV's back cabinet, keypad, and LCD panel. Allow the disinfectant to soak per its instructions and then wipe clean. Do not use the disinfectant if the TV's surfaces show any sign of discoloration or softening.

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.

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

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

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.

TRADEMARKS
Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories. All other 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.

PRODUCT ASSESORIES
(Not Included with TV)

Programming Remote	PD108-420
Patient Remote	PD108-421
Support Arm	PDI-508C-12
Wall Bracket Power Supply	PDI-771B, PDI-771CA
Central Power Supply	PDI-772-HE
Individual Power Supply	PDI-750A

IMPORTANT SAFETY INSTRUCTIONS

1. Read Instructions – All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and 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; or near a swimming pool, and the like.
8. Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10. Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and 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 survace. This product should not be placed in a build-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. 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.
12. Grounding or Polarization – This product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
13. Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items place upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
14. Protective Attachment Plug – The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
15. Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1.
16. 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.
17. Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
18. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as they can result in a risk of fire or electric shock.
19. Object and Liquid Entry – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
20. Servicing – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
21. Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a. When the power-supply cord or plug is damaged,
    b. If liquid has been spilled, or objects have fallen into the product,
    c. If the product has been exposed to rain or water,
    d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
    e. If the product has been dropped or damaged in any way, and
    f. When the product exhibits a distinct change in performance – this indicates a need for service.
22. Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
23. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
24. Wall or Ceiling Mounting – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
25. Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
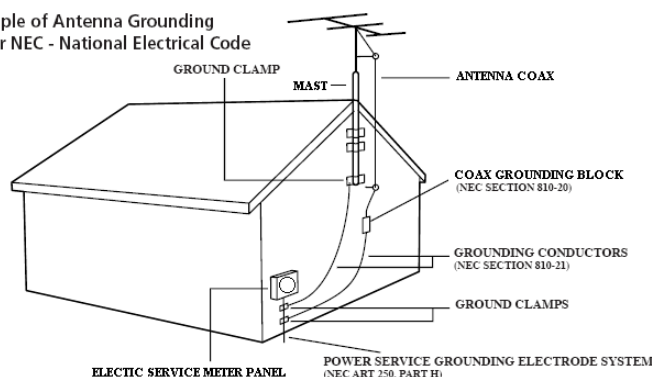

Figure 1

INSTALLATION ON SUPPORT ARM

The PDI-P15X television is designed to attach to a wall mounted suspension arm capable of supporting a television weighing 12 pounds. The single coaxial cable on top of the TV is used to supply either low voltage AC or DC power (28VAC or 24VDC) and the RF signal to the television.

DANGER: 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 the arm from springing open.

1. Remove and save the Retainer Bolt and Lock Washer from the TV's swivel.

2. Remove the two Nose Cover Retainer Screws and raise the metal nose cover.

3. Slide the TV's swivel completely into the arm's clevis (slot) such that the Upper and Lower Swivel Plates sandwich the arm's nose. The nose of the support arm should rest between each plate.

4. Align the Retainer Plate's mounting hole over the arm mounting hole. Thread the Retainer Bolt with Lock Washer through the Top Retainer Plate, the arm's nose and then into the Lower Retainer Plate. Tighten.

5. 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 Only tightening of this cable connection will result in reliability problems weeks or months later. Because the TV draws its power current through this connection, eventually the finger-tightened connection will loosen due to thermal cycling, develop resistance and prompt a service call. Wrench tighten all "F" fitting connections!

6. For **PDI-500** series arms remove the Safety Brake Pin from the Safety Brake Pin 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. For **PDI-405** series arms remove the Safety Brake Pin from the Safety Brake Pin Hole and install thru rear mounting holes of the nose cover. Securely tighten. **DO NOT** store the pin inside the nose of PDI-405 series arms.

7. Close the metal nose cover onto the nose. Reinstall the two Nose Cover Retainer Screws.
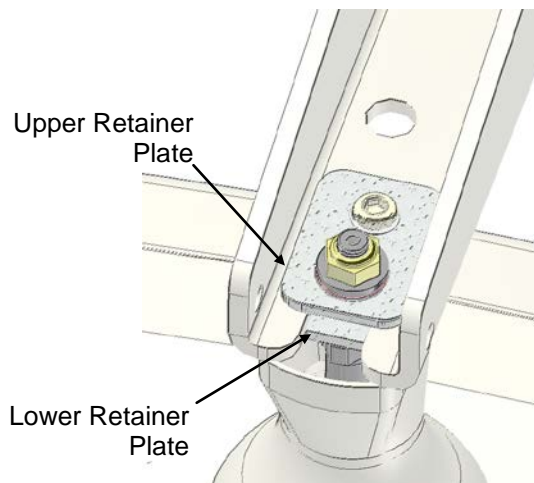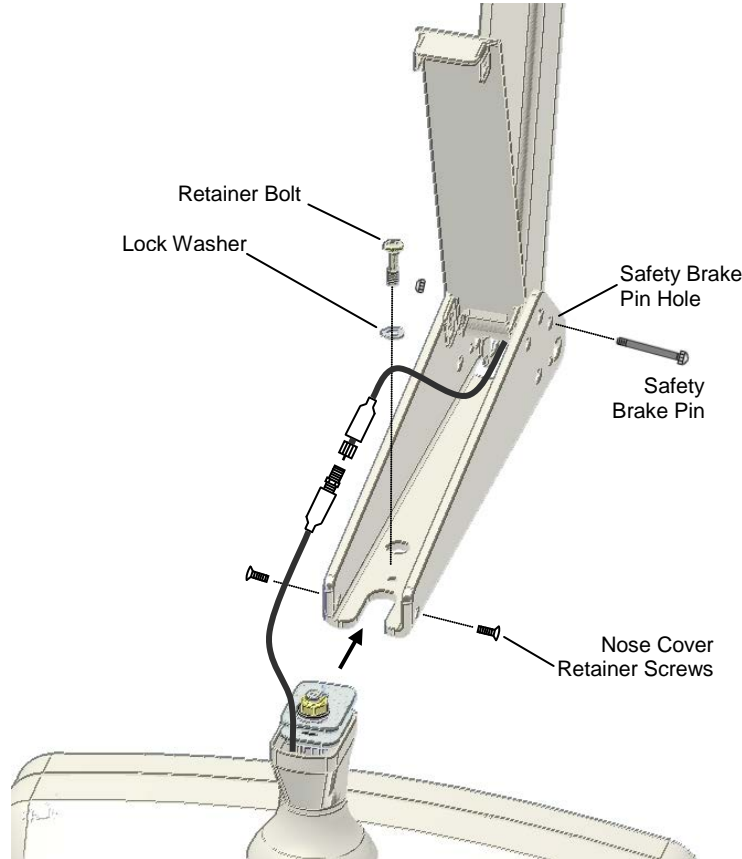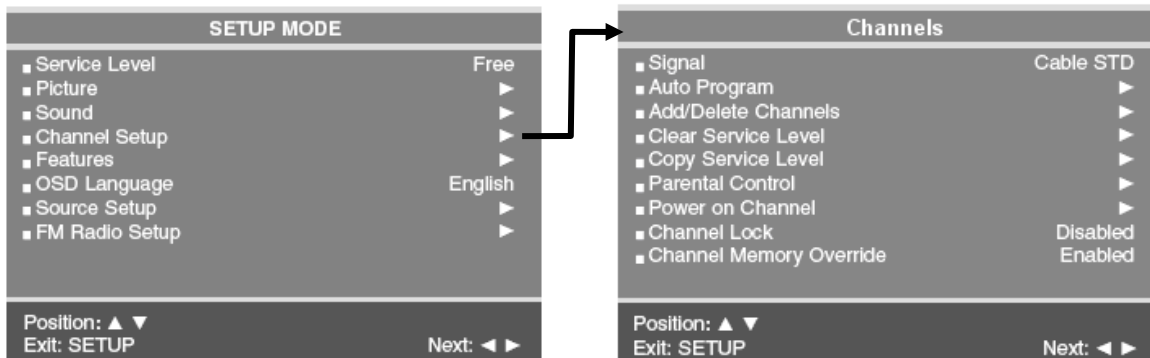
PROGRAMMING

NOTE: A programming remote control is required to perform all setup operations for the television. The programming remote (Part Number: PD108-420) is NOT packaged with the TV and must be ordered separately. The following instructions assume you have a programming remote, have correctly mounted the TV, and connected a coax cable that provides both Power and RF signal.

Channel Setup
The TV offers three different programmable channel banks or Service Levels: Free, Basic, and Premium. Only one Service Level is usable at a time.

SETUP MODE	
∎ Service Level	Free
∎ Picture	►
∎ Sound	►
∎ Channel Setup	►
∎ Features	►
◻ OSD Language	English
∎ Source Setup	►
∎ FM Radio Setup	►
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

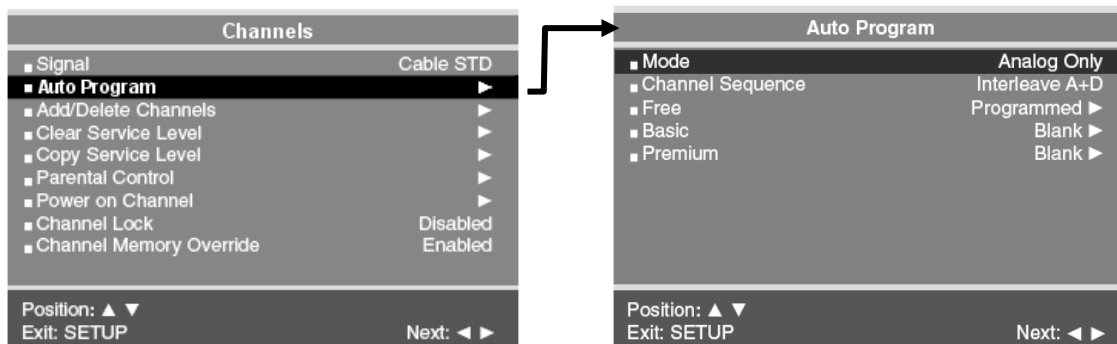| Channels	
∎ Signal	Cable STD
∎ Auto Program	►
∎ Add/Delete Channels	►
∎ Clear Service Level	►
∎ Copy Service Level	►
∎ Parental Control	►
∎ Power on Channel	►
∎ Channel Lock	Disabled
∎ Channel Memory Override	Enabled
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

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. Press the SETUP button to display the SETUP MODE menu.
2. Press the CH▲ / CH▼ button to select CHANNELS. Press VOL◄ or VOL► to activate the menu item.
3. In the CHANNELS menu, press the CH▲ / CH▼ button to select Signal.
4. Press VOL◄ / VOL► to select Air, Cable STD, Cable IRC or Cable HRC. NOTE: Most hospitals use the Cable STD signal style.

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

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

Auto Program	
∎ Mode	Analog Only
∎ Channel Sequence	Interleave A+D
∎ Free	Programmed ►
∎ Basic	Blank ►
∎ Premium	Blank ►
Position: ▲ ▼	
Exit: SETUP	Next: ◄ ►

1. From the CHANNELS menu select Auto Program.
2. In the AUTO PROGRAM menu, press the CH▲ / CH▼ button to select Mode.
3. Press VOL◄ / VOL► to set the scope of channel scanning.
   Analog Only: TV searches for analog channels only.
   Digital Only: TV searches for digital channels only.
   Analog and Digital: TV searches for both analog and digital channels.
4. Press the CH▲ / CH▼ button to select the Channel Sequence menu item.
5. Press VOL◄ / VOL► to set the Channel Sequence in which the channels are displayed after searching.
   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 the CH▲ / CH▼ button 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 CH▲ to start auto programming. Press CH▼ button to cancel the operation. The TV will now search all available channels with an on-screen progress percentage displayed. Once complete, press the SETUP button to return to normal TV viewing. NOTE: Any tuning Mode that includes Digital channels will require several minutes to complete auto programming.

SOUND PROGRAMMING

The TV's internal speakers can be disabled requiring the use of a headphone for private listening. This option is commonly used in dialysis clinics and multiple occupancy rooms.

Internal Speaker Enable

The speaker's inside the TV's cabinet can be Enabled (turned ON) or Disabled (turned OFF).
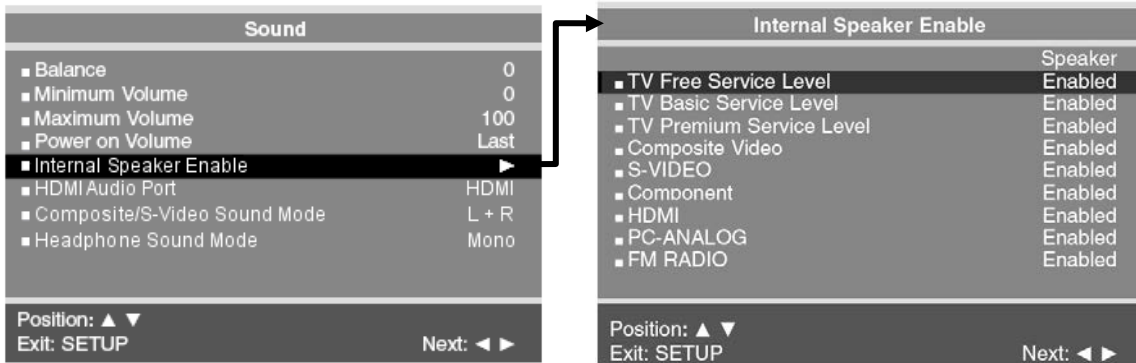
1. In the SOUND menu, press CH▲ / CH▼ button to select the Internal Speaker Enable menu item.
2. Press VOL◄ / VOL► to activate the menu item.
3. Press the CH▲ / CH▼ button to select the desired Service Level(s) or Sources.
4. Press VOL◄ / VOL► to alternately select Disabled or Enabled to turn OFF or ON the TV's internal speakers.
5. 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. Remove the back access cover from the rear cabinet of the TV. The cover is secured with 3 screws.
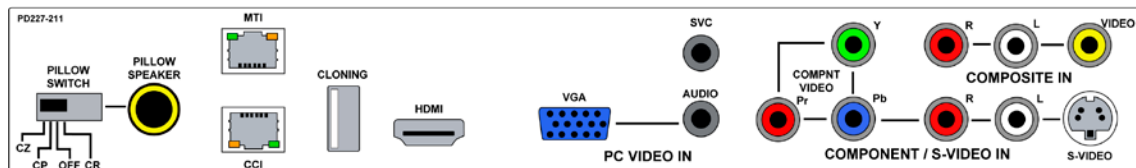
3. Locate the "CLONING" port, turn the TV on, and insert the USB Thumb Drive. A Cloning Main Menu will appear.
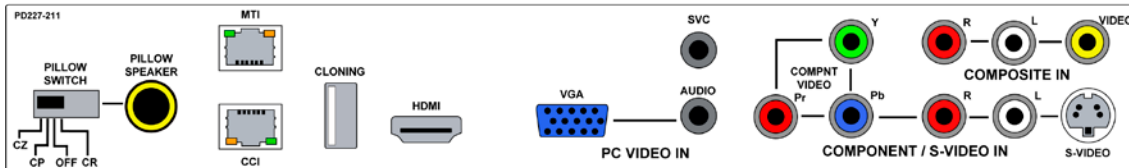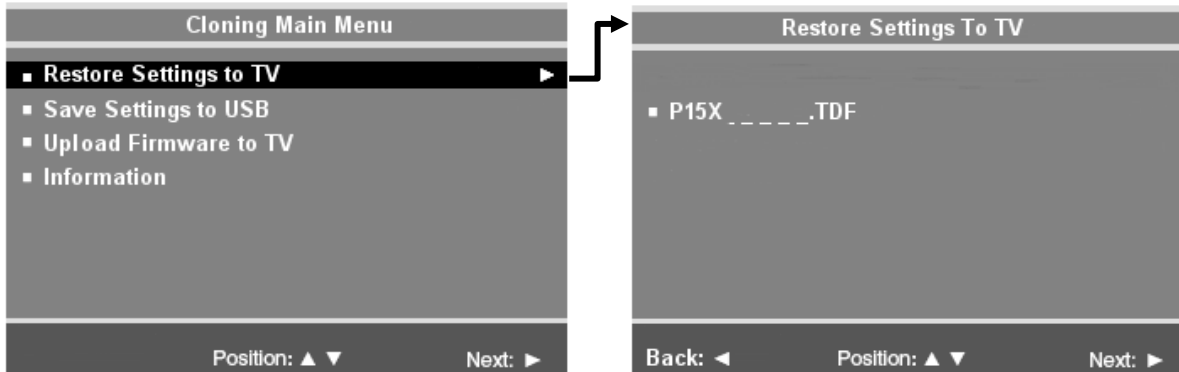4. Press the CH▲ / CH▼ button to select Save Settings to TV. Press VOL► to display.

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 VOL◄ to return to the main Clone menu.
7. Remove the USB drive to return to normal TV operation. Reattach the TV's rear access cover with 3 screws.

Restore Setting to TV
1. Remove the back access cover from the rear cabinet of the TV.   The cover is secured with 3 screws.
2. Locate the "CLONING" port on the TV's connector field and insert the USB Thumb Drive. A Cloning Main Menu will appear.

3. Turn the TV On. Insert the USB Thumb Drive into the "CLONING" port.. A Cloning Main Menu will appear.

4. Press the CH▲ / CH▼ button to select Restore Settings to TV. Press VOL► to display a list of previously stored TV setups on the USB thumb drive.
5. Press the CH▲ / CH▼ button to select a TV's setup file. Press VOL► once.
6. A confirmation screen will appear. Press the CH▲ to restore the selected setup file or press VOL► to exit without restoring.
7. A progress screen will appear as the settings are restored. Once complete, the TV will turn off.
8. Turn the TV on. Remove the USB thumb drive. Verify correct programming of the TV. Reattach the rear access cover with 3 screws.

Additional Information
Additional information is available in the user manual. Please visit the company web site at **pditv.com** or contact PDI. Please request document number: PD196-135.