

Simple Directions For Using The Most Common Converter Boxes

Apex
Digital Stream
Dish TV Pal
Insignia
Magnavox
Philco
RCA
Tivax
Zenith

Apex DT250 (from Best Buy)

- **Lights:** Green means on; red means standby (page 8)
- **Setting the output channel to 3 or 4:** Use the switch on the back of converter box (page 8)
- **Activating analog pass-through:** Turn the box off (light should be red) (page 9)
- **Scanning for channels:** Press *Menu* button, highlight and select *Auto Program* by pressing *OK* (page 12 and 17)
- **Signal Strength Meter:** Press the *Signal* button (page 15 or 20)
- **Manual adding of channels:** not possible
- **Closed Captioning:** Press *CCD* button; Settings should be *OFF* or *CC1* or *CS1*(page 13)
- **Audio problems: Wrong audio channel:** press *MTS* button & be sure *1st channel* is selected (page 15)
- **Aspect Ratio problems:** Press the *Zoom* button or highlight TV Aspect Ratio, then select 4:3 (page 12 or 16 or 19)
- **Changing the energy-saving power-down function:** Press *Menu*, highlight and select *Sleep Timer*, set to *OFF* if you're going to be programming a VCR to record (page 18)

Digital Stream 9900 (no analog pass-through)

Digital Stream 9950 (with ap-t) (from Radio Shack)

- **Lights:** Green Light means ON; Red light means OFF/STANDBY; blinking means a signal is being received from the remote
- **Program the remote:** using the instructions on page 3 (9900 model) or 4 (9950 Analog pass-through model)
- **Setting the output channel to 3 or 4:** switch on back of box
- **Manual adding of channels:** not possible with this box
- **Audio problems; Wrong Audio Channel** -- use *Audio* button on remote to change the audio track
- **Activating analog pass-through:** (Page 5): Turn box off, OR, with the box on, press A/D button to switch between analog and digital
- **Scanning:** for channels (page 6, top right):
 - (Box does not allow manual addition of channels)
 - Press *Menu*. See that *CH* (upper left) is selected.
 - Highlight *Auto Scan* in the column headed *Channel*.
 - Highlight *Rescan* if scanning for the first time or when station frequencies have changed
 - Press *OK* to begin. Do nothing more until scanning process is complete (progress will display on the screen.)
 - Scanning produces a list of found channels.
- **Signal Strength Meter:** (page 7):
 - Press the *Meter* button.
 - Tune to a channel that's not coming in well.
 - Move the antenna around to find the position that produces the highest reading on the meter.
 - Leave the antenna there.
- **Turning SAP (secondary audio programming) on/off:** SAP button
- **Closed Captioning:** (pages 7, 8)
 - Use *Caption* button on the remote to change settings
 - Press *Menu*. Select the *Caption* icon (second from top on left, below *CH*).
 - Select *Display*.
 - Select *Off* to disable CC, and end black blocks on the screen
 - If left *On*, be sure CS1 is chosen under caption service.
 - Be sure other CC settings are set to default.
- **Aspect Ratio problems:** (page 10) Use *Zoom* button to cycle through the display options.
- **Changing the energy-saving power-down function:** (page 11, bottom):
 - Press *Menu*; select bottom icon on left (the small round gear)
 - Select *Function*, then *Time*, then *Power Down*
 - Choose the option you want; *Off* to disable.

DISH DTV PAL (analog pass-through) (Sears)

- **Lights:** Green means on.
- **Program the remote:** not programmable.
- **Setting the output channel to 3 or 4:** Press *Menu*, highlight and select *Setup*, highlight and select *System Setup*, highlight and select *Installation*, highlight and select *Channel 3-4 Setup*. (Page 16). Also as part of the Installation Wizard (page 4, step 16.)
- **Activating analog pass-through:** Press the *Analog Pass-Through* button on the remote (page 7)
- **Scanning for channels:** Press *Menu*, highlight and select *Setup*, highlight and select *System Setup*, highlight and select *Installation*, highlight and select *Setup Wizard* and have it scan for channels. (Page 16). Also as part of the initial set with the *Installation Wizard* (page 4, step 14)
- **Signal Strength Meter:** Press the *Browse* button and the meter will appear in the upper right hand corner of the screen.
- **Closed Captioning:** Press *Menu*, highlight and select *Setup*, highlight and select *System Setup*, highlight and select *Closed Caption*. (Page 18)
- **Aspect Ratio problems:** Press *Picture Format*.
- **Changing the energy-saving power-down function:** Press *Menu*, highlight and select *Setup*, highlight and select *System Setup*, highlight and select *Inactivity Standby*. (Page 17)

Insignia NS-DXA1 (no analog pass-through), **Insignia NS-DXA1 APT (with ap-t) (from Best Buy)**

- (This box is the same as the Zenith, except for branding.)
- **Lights:** Blue Light means ON; Red light means OFF/STANDBY; blinking means a signal is being received from the remote
- **Program the remote to turn TV on and off:** (Page 14)
 - Press and hold down the *TV Power* button
 - At the same time, slowly and repeatedly press the *channel up or down* button until the TV turns on or off. You may have to do this many, many, many times until you hit the right code.
 - When the TV finally reacts, *stop!* The remote has just hit the right code.
- **Setting the output channel to 3 or 4:** (page 8)
 - Press *Menu*, highlight and select *Setup*, select *Output Channel*, then select 3 or 4
 - Be sure the TV set itself is tuned to the same channel
- **Activating analog pass-through;** (page 16) Simply turn the box off
- **Audio problems;** Wrong Audio Channel -- use *SAP* button on remote to change the audio track
- **Manually adding channels:** (page 8):
 - Press *Menu*, highlight and select *Setup*, select *Manual Tuning*
- **Scanning for channels:** (Auto-tuning, page 7)
 - Press *Menu*, highlight and select *Setup*, highlight and select *Auto Tuning*
 - Don't push any buttons until you see a list of found channels that's produced by the scan
- **Signal Strength Meter:** (page 12) Press *Signal* button on remote
- **Closed Captioning:** (page 9)
 - Press *Menu*, select *Options*, select *Caption*, select *OFF*
- **Aspect Ratio problems:** (page 8)
 - Press *Menu*, select *Options*, select *Aspect Ratio*, select *4:3*
- **Changing the energy-saving power-down function:** (page 12)
 - Press *Sleep* button on remote, highlight and select *OFF*

Magnavox TB 100MG9 (from Wal-mart)

- (This is the same as the Philco box, except for branding)
- **Lights:** Red is off
- **Program the remote:** This remote is apparently not programmable
- **Volume:** Remote has no volume control; use TV remote for volume.
- **Setting the output channel to 3 or 4:** (page 19)
 - Press *Setup*, then select *Channel*, then *RF Out*, then select *channel 3 or 4*
- **Scanning for channels:** (page 13/14, paragraph 9)
 - Press *Setup* button
 - Progress through the *Setup Wizard* to the last step, *Channel Scanning*
 - Select *Channel Scanning*; wait for the process to complete before pressing any more buttons.
 - Press *Setup* to leave the menu.
 - Alternate route: Press *Setup* ->*Channel* ->*Autoscan*
- **Audio problems; Wrong Audio Channel** -- use *Audio* button on remote to change the audio track
- **Signal Strength Meter:** (page 18)
 - Press *Setup*, then select *Channel*, then *Antenna*
 - Meter will appear on the screen
 - Adject antenna to find highest meter reading
- **Closed Captioning:** (page 23/4)
 - Press *Setup*, then select *Detail*, then *Closed Caption Options*, then *DTV CC*, then select desired setting. (Page 24 describes the choices).
 - Be sure selected service is Service 1; others may cause display issues.
- **Aspect Ratio problems:** (page 20)
 - Press *Setup*, then select *Detail*, then *Display Mode*, then select desired setting. (Page 19 describes the choices)
 - Any older TV should be set to 4:3
- **Manually adding channels:** (Page 17)
 - Press *Setup* ->*Channel* ->*Add/Delete*
- **Changing the energy-saving power-down function:** (page 25)
 - Press *Setup*, then select *Detail*, then *Auto Power Down*, then select the desired setting (off will disable the feature)
- **Using the analog pass-through feature (paragraph 4, page 10 & "Selecting RF channel" on page 19:**
 - Easiest way to access analog is to turn box off.

Philco TB100HH9 (analog pass-through) **(from Fred Meyer)**

- **Lights:** Red is off
- **Program the remote:** This remote is apparently not programmable
- **Volume:** Remote has no volume control; use TV remote for volume.
- **Setting the output channel to 3 or 4:** (page 19)
 - Press *Setup*, then select *Channel*, then *RF Out*, then select *channel 3 or 4*
- **Scanning for channels:** (page 13/14, paragraph 9)
 - Press *Setup* button
 - Progress through the *Setup Wizard* to the last step, *Channel Scanning*
 - Select *Channel Scanning*; wait for the process to complete before pressing any more buttons.
 - Press *Setup* to leave the menu.
 - Alternate route: Press *Setup* ->*Channel* ->*Autoscan*
- **Audio problems; Wrong Audio Channel** -- use *Audio* button on remote to change the audio track
- **Signal Strength Meter:** (page 18)
 - Press *Setup*, then select *Channel*, then *Antenna*
 - Meter will appear on the screen
 - Adjust antenna to find highest meter reading
- **Closed Captioning:** (page 23/4)
 - Press *Setup*, then select *Detail*, then *Closed Caption Options*, then *DTV CC*, then select desired setting. (Page 24 describes the choices).
 - Be sure selected service is Service 1; others may cause display issues.
- **Aspect Ratio problems:** (page 20)
 - Press *Setup*, then select *Detail*, then *Display Mode*, then select desired setting. (Page 19 describes the choices)
 - Any older TV should be set to 4:3
- **Manually adding channels:** (Page 17)
 - Press *Setup* ->*Channel* ->*Add/Delete*
- **Changing the energy-saving power-down function:** (page 25)
 - Press *Setup*, then select *Detail*, then *Auto Power Down*, then select the desired setting (off will disable the feature)
- **Using the analog pass-through feature (paragraph 4, page 10 & "Selecting RF channel" on page 19:**
 - Easiest way to access analog is to turn box off.

RCA 800 (from Walmart)

- **Program the remote:** Step 3 of quick-start guide; use the supplied leaflet of program codes:
 - The RCA remote controls more TV functions than most converter box remotes: TV inputs, muting, and volume
 - If the remote is not programmed, these functions will still be controlled with the old, TV remote.
- **Setting the output channel to 3 or 4:** use switch on back of box
- **Manual adding of channels:** not possible
- **Activating analog pass-through:** Press *Box* on the remote to turn the box off. Analog signals will pass through the box unchanged.
- **Scanning for channels:** (part 5 of section headed “Menu Settings”)
 - Box does not allow manual addition of channels
 - Press *Menu*; then highlight and select *Settings* (option -5 on the Main Menu)
 - Highlight and select *1* to begin channel scan
 - Don't push any buttons until the scan is complete
- **Signal Strength Meter:**
 - Press *Menu*, then highlight and select *Settings*, then *Antenna*
 - Signal strength meter will appear on screen
- **Closed Captioning:** Use cc button on remote, or
 - Press *Menu*, then highlight and select *Closed Captioning*
 - Choose *default* settings to restore original settings
- **Audio problems:** (see part 2, AV Settings under Menu Settings)
 - Press *menu*, highlight and select *AV Settings*
 - Highlight and select *2* to access audio choices
 - Be sure that *alternate audio* is **NOT** selected
- **Aspect Ratio problems:** (Menu settings page)
 - (No *Zoom* button; you have to go into the menu)
 - Press *menu*, highlight and select *AV Settings*
 - Highlight and select *1* to access picture choices
- **Changing the energy-saving power-down function**
 - Press *Menu*, then highlight, select *Settings*, then *Power Saver*
 - Choose the option you want; *OFF* to disable completely
- **To reset factory settings for box:**
 - Press *Menu*, highlight and select *Settings*, then *System Reset*

Tivax STB-T9 (no analog pass-through) **(from Standard Appliance)**

- **Lights:** Red means off/standby
- **Program the remote:** not programmable
- **Setting the output channel to 3 or 4:** switch on back of box (page 13)
- **Scanning for channels:** Press *Menu*, see that *Auto Program* is highlighted, then select it by pressing OK. Allow scan to finish completely before pressing any other buttons (page 17)
- **Signal Strength Meter:** Press *Signal* on the remote (page 11)
- **Audio problems;** Wrong Audio Channel -- use *Audio* button on remote to change the audio track
- **Closed Captioning:** Press *Menu*, highlight *Advanced Closed Caption*, then select it by pressing OK. Choose *Style* to be set to *Automatic* (page 19)
- **Aspect Ratio problems:** Press *Aspect* button on the remote until you find the setting you want (page 11)
- **Changing the energy-saving power-down function:** Press *Menu*, highlight *Auto Power Down*, then press *OK*. Set to *OFF* if you don't want the box to turn itself off. (page 20)

Zenith 900 (without analog pass-through)
Zenith 901 (with analog pass-through) (Radio Shack, Bi-Mart, Standard Appliance, Circuit City)

- (This box is the same as the Insignia, except for branding.)
- **Lights:** Blue Light means ON; Red light means OFF/STANDBY; blinking means a signal is being received from the remote
- **Program the remote to turn TV on and off:** (Page 14)
 - Press and hold down the *TV Power* button
 - At the same time, slowly and repeatedly press the *channel up or down* button until the TV turns on or off. You may have to do this many, many, many times until you hit the right code.
 - When the TV finally reacts, *stop!* The remote has just hit the right code.
- **Setting the output channel to 3 or 4:** (page 8)
 - Press *Menu*, highlight and select *Setup*, select *Output Channel*, then select 3 or 4
 - Be sure the TV set itself is tuned to the same channel
- **Activating analog pass-through;** (page 16) Simply turn the box off
- **Audio problems;** Wrong Audio Channel -- use *SAP* button on remote to change the audio track
- **Manually adding channels:** (page 8):
 - Press *Menu*, highlight and select *Setup*, select *Manual Tuning*
- **Scanning for channels:** (Auto-tuning, page 7)
 - Press *Menu*, highlight and select *Setup*, highlight and select *Auto Tuning*
 - Don't push any buttons until you see a list of found channels that's produced by the scan
- **Signal Strength Meter:** (page 12) Press *Signal* button on remote
- **Closed Captioning:** (page 9)
 - Press *Menu*, select *Options*, select *Caption*, select *OFF*
- **Aspect Ratio problems:** (page 8)
 - Press *Menu*, select *Options*, select *Aspect Ratio*, select *4:3*
- **Changing the energy-saving power-down function:** (page 12)
 - Press *Sleep* button on remote, highlight and select *OFF*