



## Simple Directions For Common Converter Boxes

This document contains basic instructions for using the following converter box models. Page numbers refer to the owner's manual that comes with your converter box.

Apex - Page 1

Digital Stream - Page 2

Dish TV Pal - Page 3

Insignia - Page 4

Magnavox - Page 5

Philco - Page 6

RCA - Page 7

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Zenith - Page 9

### 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*. (pages 12 & 17)
- **Signal Strength Meter:** Press the *Signal* button. (pages 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. (pages 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)

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### **Digital Stream 9900 (no analog pass-through)**

### **Digital Stream 9950 (with analog pass-through) (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:** Use 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:** Turn box off, OR, with the box on, press A/D button to switch between analog and digital. (page 5)
- **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.

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**DISH DTV PAL (analog pass-through) (from 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-up 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)

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**Insignia NS-DXA1 (no analog pass-through)**

**Insignia NS-DXA1 APT (with analog pass-through) (from Best Buy)**

- **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*.

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### **Magnavox TB 100MG9 (from Wal-mart)**

- **Lights:** Red is off.
- **Program the remote:** This remote is 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:** (pages 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:** (pages 23-24)
  - Press *Setup*, then select *Detail*, then *Closed Caption Options*, then *DTV CC*, then select desired setting.
  - 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.

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

- **Lights:** Red is off.
- **Program the remote:** This remote is 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:** (pages 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:** (pages 23-24)
  - Press *Setup*, then select *Detail*, then *Closed Caption Options*, then *DTV CC*, then select desired setting.
  - 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.

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### **RCA 800 (from Wal-mart)**

• **Program the remote:** Step 3 of the 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*.

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**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)



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**Zenith 900 (without analog pass-through)**

**Zenith 901 (with analog pass-through) (from Radio Shack, Bi-Mart, Standard Appliance)**

- **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*.