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› Apex DT250A Digital Converter Box with Analog Pass-Through User Manual

Apex Tool Group DT250A

Apex DT250A Digital Converter Box User Manual

MODEL: DT250A

1. Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Apex DT250A Digital Converter Box. The DT250A is designed to convert over-the-air digital television signals for display on analog televisions and offers an analog pass-through feature, allowing reception of both local digital and analog channels. It supports connection to a smart antenna for enhanced terrestrial TV reception and S-Video output for improved picture clarity.



Figure 1: Front view of the Apex DT250A Digital Converter Box, showing the power button, Apex Digital logo, model number, and DTV logo.

2. Safety Information

- **Power Supply:** Use only the specified power adapter. Ensure the power cord is not damaged or pinched.
- **Ventilation:** Do not block ventilation openings. Ensure adequate space around the unit for proper airflow to prevent overheating.
- **Water and Moisture:** Do not expose the unit to rain, moisture, or liquids. Do not place objects filled with liquids, such as vases, on the unit.
- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. Package Contents

Verify that all items are present in the package:

- Apex DT250A Digital Converter Box
- Remote Control
- AAA Batteries (2)
- User Manual (this document)

4. Setup

4.1 Connecting the Antenna

1. Locate the **ANT IN** port on the back of the DT250A converter box.
2. Connect your terrestrial antenna (e.g., outdoor or indoor HDTV antenna) to the **ANT IN** port using a coaxial cable.

4.2 Connecting to Your Television

The DT250A offers multiple output options for connecting to your TV:

- **S-Video Connection:** For optimal analog picture quality, connect an S-Video cable from the **S-VIDEO OUT** port on the converter box to the S-Video input on your television.
- **Composite Video Connection:** Connect a composite video cable (yellow RCA) from the **VIDEO OUT** port on the converter box to the video input on your television. Connect the audio cables (red and white RCA) from the **AUDIO L/R OUT** ports to the corresponding audio inputs on your television.
- **HDMI Connection:** If your television has an HDMI input, connect an HDMI cable from the **HDMI OUT** port on the converter box to an available HDMI input on your television.

4.3 Power Connection

1. Insert the included AAA batteries into the remote control, observing polarity.
2. Connect the power adapter to the **DC IN** port on the converter box.
3. Plug the power adapter into a standard electrical outlet.

4.4 Initial Channel Scan

1. Turn on your television and select the correct input source (e.g., S-Video, AV, HDMI) corresponding to your connection.
2. Press the **POWER** button on the converter box or remote control to turn on the unit.
3. The first time you power on the unit, an initial setup wizard may appear. Follow the on-screen prompts to select your language and country.
4. Initiate an automatic channel scan. This process will search for available digital channels in your area. This may take several minutes.
5. Once the scan is complete, the converter box will tune to the first available channel.

5. Operating Instructions

5.1 Power On/Off

Press the **POWER** button on the front panel of the converter box or on the remote control to turn the unit on or off.

5.2 Channel Selection

- Use the **CH+** and **CH-** buttons on the remote control to navigate through channels sequentially.
- Enter the desired channel number directly using the numeric keypad on the remote control.

5.3 Volume Control

Adjust the volume using the **VOL+** and **VOL-** buttons on the remote control. Note that the primary volume control may still be on your television.

5.4 Menu Navigation

Press the **MENU** button on the remote control to access the main menu. Use the arrow keys (**▲ ▼ ◀ ▶**) to navigate through options and the **OK** button to confirm selections. Press **EXIT** to leave the menu.

5.5 Analog Pass-Through Feature

The DT250A allows you to watch both digital and analog channels. If you have an analog antenna connected to the **ANT OUT** port (or if the converter box is off), your television can receive analog signals directly. When the converter box is on, it processes digital signals. Consult your TV's input settings to switch between the converter box output and direct analog antenna input if you wish to view analog channels directly through your TV.

6. Maintenance

- **Cleaning:** Ensure the unit is powered off and unplugged. Wipe the exterior surfaces with a soft, dry, lint-free cloth. Do not use abrasive cleaners, waxes, or solvents.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place away from direct sunlight and extreme temperatures.

7. Troubleshooting

If you encounter issues with your Apex DT250A, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No picture or sound	Incorrect TV input selected; Loose cable connections; Converter box not powered on.	Ensure TV input matches converter box connection (e.g., AV, HDMI). Check all cable connections (antenna, video, audio, power). Press the POWER button on the converter box.
No channels found or poor reception	Antenna not connected or positioned correctly; No channel scan performed; Weak signal.	Ensure antenna is securely connected and properly oriented. Perform a new channel scan (refer to Section 4.4). Try repositioning the antenna or using a stronger antenna.
Remote control not working	Dead batteries; Obstruction between remote and unit; Remote not pointed at sensor.	Replace batteries in the remote control. Ensure there are no obstructions. Point the remote directly at the front panel of the converter box.
Picture is distorted or pixelated	Weak or intermittent signal; Loose cable connections.	Check antenna connection and position. Rescan channels. Ensure all video cables are securely connected.

8. Specifications

- **Model:** DT250A
- **Brand:** Apex Tool Group
- **Product Dimensions:** 10.6 x 3.7 x 8.5 inches
- **Weight:** 2.7 Pounds
- **Batteries:** 2 AAA batteries (included for remote)
- **Manufacturer:** APEX

- **Interface Type:** HDMI, S-Video, Composite Video (RCA), Coaxial (RF)
- **Number of Channels:** 1 (output channel for TV)
- **Material:** Plastic
- **ASIN:** B0892THBM9

9. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or contact Apex Tool Group customer service. Keep your proof of purchase for warranty claims.