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ZINWELL ZAT-950A

ZAT-950A Digital to Analog TV Converter Box

User Instruction Manual

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1. Product Overview

The ZINWELL ZAT-950A is a Digital to Analog TV Converter Box designed to convert digital television signals for use with older analog televisions. This device allows you to continue using your existing analog TV to receive over-the-air digital broadcasts. It supports analog pass-through, enabling connection to other analog devices.
Key features include multi-lingual support, digital parental control, and a remote control for convenient operation.



Figure 1: ZINWELL ZAT-950A Digital to Analog TV Converter Box with its remote control. The converter box is white and dark gray, and the remote is black and silver.

2. Setup and Installation

2.1. Package Contents

Before beginning, ensure all components are present:

- ZINWELL ZAT-950A Digital to Analog TV Converter Box
- Remote Control (ZRC-4501)
- Power Adapter
- User Manual (this document)

2.2. Connecting the Converter Box

1. **Connect Antenna:** Connect your outdoor or indoor antenna to the "ANT IN" port on the back of the ZAT-950A converter box.
2. **Connect to TV:**
    - For analog TVs, connect an RF coaxial cable from the "TO TV" (RF OUT) port on the converter box to the "ANT IN" or "RF IN" port on your television.
    - Alternatively, for better picture quality on compatible TVs, connect RCA audio/video cables (red, white, yellow) from the "AUDIO L/R" and "VIDEO OUT" ports on the converter box to the corresponding "AUDIO IN" and "VIDEO IN" ports on your television.
3. **Connect Power:** Plug the power adapter into the "DC IN" port on the converter box, then plug the adapter into a standard electrical outlet.
4. **Power On:** Turn on your television and the ZAT-950A converter box. Set your TV's input source to match the connection type used (e.g., "Antenna," "TV," "Video 1," "AV," etc.).



Figure 2: Front view of the ZINWELL ZAT-950A Digital to Analog TV Converter Box, showing the power button and channel up/down buttons.

3. Operating Instructions

3.1. Initial Channel Scan

Upon first power-on or after moving the antenna, you will need to perform a channel scan to find available digital channels:

1. Press the **MENU** button on the remote control.
2. Navigate to the "Installation" or "Channel Setup" menu using the arrow keys.
3. Select "Auto Scan" or "Channel Search" and press **ENTER**.
4. The box will scan for all available digital channels. This process may take several minutes. Do not interrupt the scan.
5. Once complete, the box will save the channels and tune to the first available channel.

3.2. Basic Functions

- **Power On/Off:** Press the **POWER** button on the remote or the front panel of the converter box.
- **Channel Selection:** Use the **CH+** / **CH-** buttons on the remote or the front panel to change channels sequentially. Alternatively, enter the channel number directly using the numeric keypad on the remote.
- **Volume Control:** Use the **VOL+** / **VOL-** buttons on the remote to adjust the audio volume. Note: The converter box's volume setting may not reset after a power cycle or timer event, potentially affecting recorded audio if connected to a recording device.
- **Mute:** Press the **MUTE** button on the remote to temporarily silence the audio.
- **Display Information:** Press the **DISPLAY** button to view current channel information, program details, and signal strength.
- **Recall:** Press the **RECALL** button to switch between the current and previously viewed channel.

3.3. Advanced Features

- **Multi-lingual Support:** Access the OSD (On-Screen Display) menu to select your preferred language for the user interface.
- **Digital Parental Control:** Set up parental locks for specific channels or programs based on rating. This feature requires a PIN to be set in the menu.
- **Programmable Timer:** The ZAT-950A includes a programmable timer function, allowing you to schedule the box to tune to a specific channel at a set time. This is useful for recording programs with an external VCR or DVR. To access: Press **MENU**, navigate to the "Timer" or "Program Schedule" section. You can set up to 8 programming slots with daily, weekly, or monthly options. Ensure your recording device is also set to record at the scheduled time.
- **Channel Management:** Within the menu, you can edit, move, or delete channels from your channel list. You can also create a "Favorite" channel list for quick access to preferred channels.

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4. Maintenance and Care

Proper care ensures the longevity of your ZAT-950A converter box:

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid cleaners, aerosols, or abrasive materials, as they may damage the finish or internal components.
- **Ventilation:** Ensure the ventilation slots on the unit are not blocked. Adequate airflow prevents overheating.
- **Placement:** Place the converter box on a stable, flat surface away from direct sunlight, heat sources, and excessive moisture. Avoid placing it near strong magnetic fields.
- **Power Cord:** Regularly inspect the power cord for any damage. Do not use a damaged cord.

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5. Troubleshooting

Problem	Possible Cause	Solution
No picture or sound.	Power not connected. Incorrect TV input selected. Antenna not connected or signal too weak.	Ensure power adapter is securely plugged in. Verify TV input matches converter box connection (e.g., AV, TV). Check antenna connection and position. Perform a channel scan.
Remote control not working.	Dead batteries. Obstruction between remote and box. Remote sensor on box is blocked.	Replace batteries. Ensure clear line of sight to the converter box. Remove any obstructions from the front panel of the box.
Channels not found or missing.	Incomplete channel scan. Weak antenna signal. Antenna orientation.	Perform a new "Auto Scan" from the menu. Adjust antenna position or consider a stronger antenna. Re-orient antenna for optimal signal reception.
Programmable timer malfunctions (e.g., switches to wrong channel).	Software glitch or internal memory issue. Power interruption.	Try resetting the unit by unplugging it for 30 seconds and plugging it back in. Re-program the timer settings. Ensure stable power supply.

6. Technical Specifications

Feature	Detail
Brand	ZINWELL
Model Number	ZAT-950A
Product Dimensions	5.51 x 6.89 x 1.3 inches
Item Weight	11 ounces
Color	White
Material	Plastic
Interface Type	IR, RCA
Number of Channels	1 (refers to tuner capability, not number of outputs)
Mounting Type	Surface Mount
UPC	874409001131

7. Warranty and Support

7.1. Limited Warranty

The ZINWELL ZAT-950A Digital to Analog TV Converter Box typically comes with a limited warranty, often for a period of 90 days from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.
For specific warranty terms and conditions, refer to the documentation included with your product at the time of purchase, or contact ZINWELL customer support.

7.2. Customer Support

If you encounter issues that cannot be resolved using the troubleshooting guide, or require further assistance, please contact ZINWELL customer support. While specific contact details are not provided in this manual, you can typically find support information on the official ZINWELL website or through the retailer where the product was purchased.
When contacting support, please have your product model number (ZAT-950A) and a detailed description of the issue ready.

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