

ViewTV AT-300

ViewTV AT-300 ATSC Digital Converter Box

Instruction Manual

INTRODUCTION

The ViewTV AT-300 ATSC Digital Converter Box is designed to convert digital broadcast signals for display on analog televisions or to add recording capabilities to HDTVs. This device allows you to receive over-the-air digital channels with a compatible antenna and offers features such as PVR recording, USB multimedia playback, and an LED time display.

IMPORTANT SAFETY INFORMATION

- **Overheating Prevention:** Before initial use, **REMOVE** the clear plastic covering from the top of the ViewTV AT-300 box. Failure to do so can cause the unit to overheat and malfunction.
- **QAM/Cable Use:** This device is primarily for ATSC over-the-air digital broadcasts. It will work **ONLY** with **DECRYPTED** QAM channels. It may **NOT** be compatible with most cable providers. Do not purchase this device solely for encrypted QAM/Cable use.
- **European DVB-T:** European DVB-T RF signals are **NOT** supported and will not work with this converter box.
- **Ventilation:** Ensure adequate ventilation around the unit. Do not block ventilation openings.
- **Power Supply:** Use only the provided power adapter.

PACKAGE CONTENTS

Verify that all items are present in the box:

- ViewTV AT-300 Digital Converter Box
- Remote Control (New Upgraded)
- HDMI Cable
- Composite Cable (RCA)
- Power Adapter
- User Manual



Figure 1: Contents of the ViewTV AT-300 package, including the converter box, remote control, HDMI cable, composite cable, power adapter, and user manual.

PRODUCT OVERVIEW

Front Panel



Figure 2: ViewTV AT-300 Digital Converter Box front panel, showing the power button, channel up/down buttons, USB port, and LED display.

- **Power Button:** Turns the unit on or off.
- **CH-/CH+:** Changes channels or navigates menu options.
- **MENU/OK:** Accesses the main menu or confirms selections.
- **USB Port:** For connecting USB storage devices for PVR recording and multimedia playback.
- **LED Display:** Shows current channel number or time.

Rear Panel



Figure 3: ViewTV AT-300 Digital Converter Box rear panel, displaying RF In, RF Out, HDMI Out, Coaxial, L/R Audio, Video, and DC 5V power input ports.

- **RF IN:** Connects to your digital TV antenna.
- **RF OUT:** For connecting to the RF input of an older TV (optional).
- **HD OUT (HDMI):** Connects to an HDTV or monitor for high-definition output.
- **COAXIAL:** Digital audio output.
- **L/R AUDIO (RCA):** Left and Right analog audio output.
- **VIDEO (RCA):** Analog video output.
- **DC 5V:** Power input for the included adapter.

Key Features

- Converts digital broadcast to analog TV.
- PVR (Personal Video Recorder) function with USB drive.
- USB multimedia player (Divx, AVI, MKV, MPEG-2, MPEG-4, H.264/AVC, VOB, MOV, FLV, VC-1).
- Receives HD (720p) and Full HD (1080p) channels (with antenna).
- Auto Tuning and Program Guide (EPG).
- Favorite channel list and Parental control.
- Closed Captioning and EAS (Emergency Alert System).
- 1080P HDMI output and CVBS (Composite) output.
- Timing startup and shutdown.
- Front Panel 12 Hour Time Display.

SETUP

1. Initial Preparation

1. **Remove Plastic Covering:** Ensure the clear plastic covering on top of the converter box is removed to prevent overheating.
2. **Antenna Connection:** Connect your digital TV antenna to the **RF IN** port on the rear of the AT-300.

2. Connecting to Your Television

Choose one of the following connection methods:

Option A: HDMI Connection (for HDTVs/Monitors)

1. Connect one end of the HDMI cable to the **HD OUT** port on the AT-300.
2. Connect the other end of the HDMI cable to an available HDMI input on your TV or monitor.
3. Select the corresponding HDMI input on your TV using its remote control.

Option B: Composite (RCA) Connection (for Analog TVs)

1. Connect the yellow (Video), white (Left Audio), and red (Right Audio) plugs of the composite cable to the corresponding **VIDEO**, **L AUDIO**, and **R AUDIO** ports on the AT-300.
2. Connect the other end of the composite cable to the corresponding A/V input ports on your analog TV.
3. Select the corresponding A/V input on your TV using its remote control.



Figure 4: Diagram illustrating how to connect the ViewTV AT-300 Digital Converter Box to a TV using an antenna, HDMI cable, or composite cables.

3. Power Connection

1. Connect the power adapter to the **DC 5V** port on the AT-300.
2. Plug the power adapter into a wall outlet.

4. Initial Channel Scan

1. Turn on the AT-300 and your TV.
2. Navigate to the main menu using the remote control.
3. Select '**Channel Search**' or '**Auto Tuning**'.
4. Initiate the scan. The box will search for available digital channels. This process may take several minutes.
5. Once the scan is complete, the box will automatically tune to the first available channel.

Your browser does not support the video tag.

Video 1: A detailed guide on setting up and performing the initial channel scan for the ViewTV AT-300 Digital Converter Box.

OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** Press the **POWER** button on the remote or front panel.
- **Channel Selection:** Use the **CH+/CH-** buttons on the remote or front panel, or enter the channel number directly using the numeric keypad.
- **Volume Control:** Use the **VOL+/VOL-** buttons on the remote.
- **Mute:** Press the **MUTE** button to silence the audio.

Electronic Program Guide (EPG)

Press the **EPG** button on the remote to view program information for current and upcoming broadcasts. Use the arrow keys to navigate and the **OK** button to select.

Favorite Channel List

You can create a list of your preferred channels for quick access. Refer to the on-screen menu for instructions on adding and managing favorite channels.

Parental Control

The parental control function allows you to restrict access to certain channels or programs based on ratings. A password is required to enable or disable this feature. Set your password in the system settings menu.

Closed Captioning (CC)

Press the **CC** button on the remote to enable or disable closed captions for programs that support them.

Aspect Ratio Settings

Adjust the screen display format to best suit your TV and content. Options typically include:

- AUTO
- 16:9 Pillar Box
- 16:9 Pan G Scan
- 4:3 Letter Box
- 4:3 Pan G Scan
- 4:3 Full
- 16:9 Wide Screen

These settings can usually be found in the 'Picture' or 'Display' section of the main menu.

RECORDING (PVR) FUNCTION

The AT-300 allows you to record live TV to a USB storage device.

USB Drive Preparation

Plug a flash drive or external hard drive into the USB port on the front of the unit. The device supports various file systems, though FAT32 is commonly recommended for compatibility. If your drive is not recognized, you may need to format it via the converter box's menu (this will erase all data on the drive).

Real-time Recording

While watching a program, press the **REC** button on the remote control to start recording immediately. Press **STOP** to end the recording.

Scheduled Recording

You can schedule recordings using the EPG. Navigate to the desired program in the EPG and select the option to schedule a recording. Ensure your USB drive is connected and has sufficient space.

Note for HDTVs with built-in tuners:

If you have a new HDTV and wish to watch one channel using the TV's digital tuner while recording another via the AT-300, you **MUST** enable "Loop Through" under MENU / Channel Search / Modulation on the AT-300.

USB MULTIMEDIA PLAYER

The AT-300 can play various media files from a connected USB storage device.

Supported Formats

- **Video:** Divx, AVI, MKV, MPEG-2, MPEG-4, H.264/AVC, VOB, MOV, FLV, VC-1
- **Audio:** WMA, MP3, M4A
- **Image:** JPEG, BMP, PNG

Playback Instructions

1. Connect a USB drive containing your media files to the USB port.
2. From the main menu, select the 'Multimedia' or 'USB' option.
3. Navigate through your files and folders using the remote control.
4. Select a file and press **OK** to begin playback.



Figure 5: Image showing the USB multimedia player capabilities of the ViewTV AT-300, highlighting supported video, audio, and image file formats.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosols.
- **Ventilation:** Regularly check that the ventilation slots on the top and sides of the unit are not obstructed by dust or other objects.
- **Power Off:** Disconnect the power adapter from the wall outlet if the unit will not be used for an extended period.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No picture or sound	Incorrect TV input selected; Loose cable connections; Power not connected.	Ensure TV is on correct input (HDMI/AV); Check all cable connections; Verify power adapter is plugged in.
No channels found after scan	Antenna not connected or positioned correctly; Weak signal.	Ensure antenna is connected to RF IN; Adjust antenna position; Rescan channels. Consider a stronger antenna or signal amplifier.
Remote control not working	Batteries are dead or inserted incorrectly; Obstruction between remote and box; Remote sensor blocked.	Replace batteries; Ensure direct line of sight to the box; Clear any obstructions.
Unit freezes or becomes unresponsive	Temporary software glitch; Overheating.	Unplug the power adapter, wait 10 seconds, then plug it back in to restart the unit. Ensure plastic covering is removed and ventilation is clear.

Problem	Possible Cause	Solution
USB recording/playback issues	USB drive not formatted correctly; Insufficient space; Incompatible file format.	Format USB drive via the box's menu (backup data first); Ensure sufficient free space; Check if file format is supported.

SPECIFICATIONS

Feature	Detail
Model Number	AT-300
Product Dimensions	9.53 x 8.35 x 2.2 inches (24.2 x 21.2 x 5.6 cm)
Item Weight	1.7 pounds (0.77 kg)
Connectivity Technology	Composite, HDMI, USB
Compatible Devices	Television
Number of Channels	1 (tuner)
Output Resolution	Up to 1080P via HDMI
PVR Function	Real-time and Scheduled Recording to USB
Multimedia Playback	Supports Divx, AVI, MKV, MPEG-2, MPEG-4, H.264/AVC, VOB, MOV, FLV, VC-1, WMA, MP3, M4A, JPEG, BMP, PNG

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact your retailer. Specific warranty terms may vary by region and retailer.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question