

Zinwell ZAT-600B

Zinwell ZAT-600B NextGen TV Box User Manual

Model: ZAT-600B

INTRODUCTION

The Zinwell ZAT-600B NextGen TV Box is an advanced external tuner designed to bring the latest ATSC 3.0 (NextGen TV) and traditional ATSC 1.0 broadcast signals to your television. It is ideal for TVs that do not have a built-in ATSC 3.0 tuner, allowing you to access enhanced features such as 4K resolution broadcasts, superior Dolby Audio, and interactive broadcaster applications without needing to upgrade your existing television.

This manual provides comprehensive instructions for setting up, operating, and maintaining your ZAT-600B NextGen TV Box to ensure optimal performance and enjoyment of free over-the-air television.

KEY FEATURES

- **NextGen TV Ready:** Decodes and tunes ATSC 1.0 and 3.0 broadcast signals, providing access to the latest NextGen TV features.
- **4K Broadcast Support:** Capable of supporting 4K broadcasts, delivering stunning visual clarity (when available).
- **Upconverts HD to 4K:** Enhances HD broadcasts by upconverting them to 4K, improving picture quality and detail.
- **Enhanced Dolby Audio:** Equipped with Dolby AC4 decoding for superior audio quality, supporting features like Voice + Dialogue Enhancement, Consistent Volume, Personalized Audio, and Dolby Atmos.
- **Broadcaster Apps:** Launches interactive applications provided by broadcasters, merging broadcast TV with internet content, including sports scores, weather alerts, and more.
- **On-Screen TV Guide:** Features an easy-to-use on-screen guide for convenient channel browsing.
- **Universal Learning Remote:** Includes a universal learning remote control that can be programmed to control your TV and/or sound bar.
- **Future-Ready:** Designed to be upgradeable, ensuring compatibility with future NextGen TV advancements.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Zinwell ZAT-600B NextGen TV Box
- Universal Learning Remote Control
- Power Adapter



Image: Front view of the Zinwell ZAT-600B NextGen TV Box. This image displays the compact, gray rectangular device with the "ZINWELL" logo on top and a small indicator light on the front.



Image: The universal learning remote control included with the ZAT-600B. The remote is black with various buttons for power, channel, volume, navigation, and app access.

SETUP

Follow these steps to connect your Zinwell ZAT-600B NextGen TV Box to your television and antenna.

1. Connect the Antenna

Connect your digital antenna's coaxial cable to the "ANT IN" port on the back of the ZAT-600B box. Ensure the connection is secure.



Image: Rear view of the Zinwell ZAT-600B NextGen TV Box, highlighting the various connection ports including ANT (antenna), HDMI, LAN, USB, and DC IN.

2. Connect to TV

Connect one end of an HDMI cable (not included) to the "HDMI" port on the ZAT-600B box and the other end to an available HDMI input on your television.

3. Connect to Power

Plug the included power adapter into the "DC IN" port on the ZAT-600B box, then plug the adapter into a standard electrical outlet.

4. Network Connection (Optional)

For software updates and future broadcaster app functionality, you can connect the ZAT-600B to your home network:

- **Wired Connection:** Connect an Ethernet cable from your router to the "LAN" port on the ZAT-600B.
- **Wireless Connection:** The device supports Wi-Fi. You can configure the wireless connection through the on-screen settings menu after initial power-up.

5. Initial Setup and Channel Scan

Turn on your television and select the correct HDMI input connected to the ZAT-600B. The device will guide you through an initial setup process, which typically includes language selection and an automatic channel scan. Allow the scan to complete to find all available ATSC 1.0 and ATSC 3.0 channels in your area.

Installation Diagram

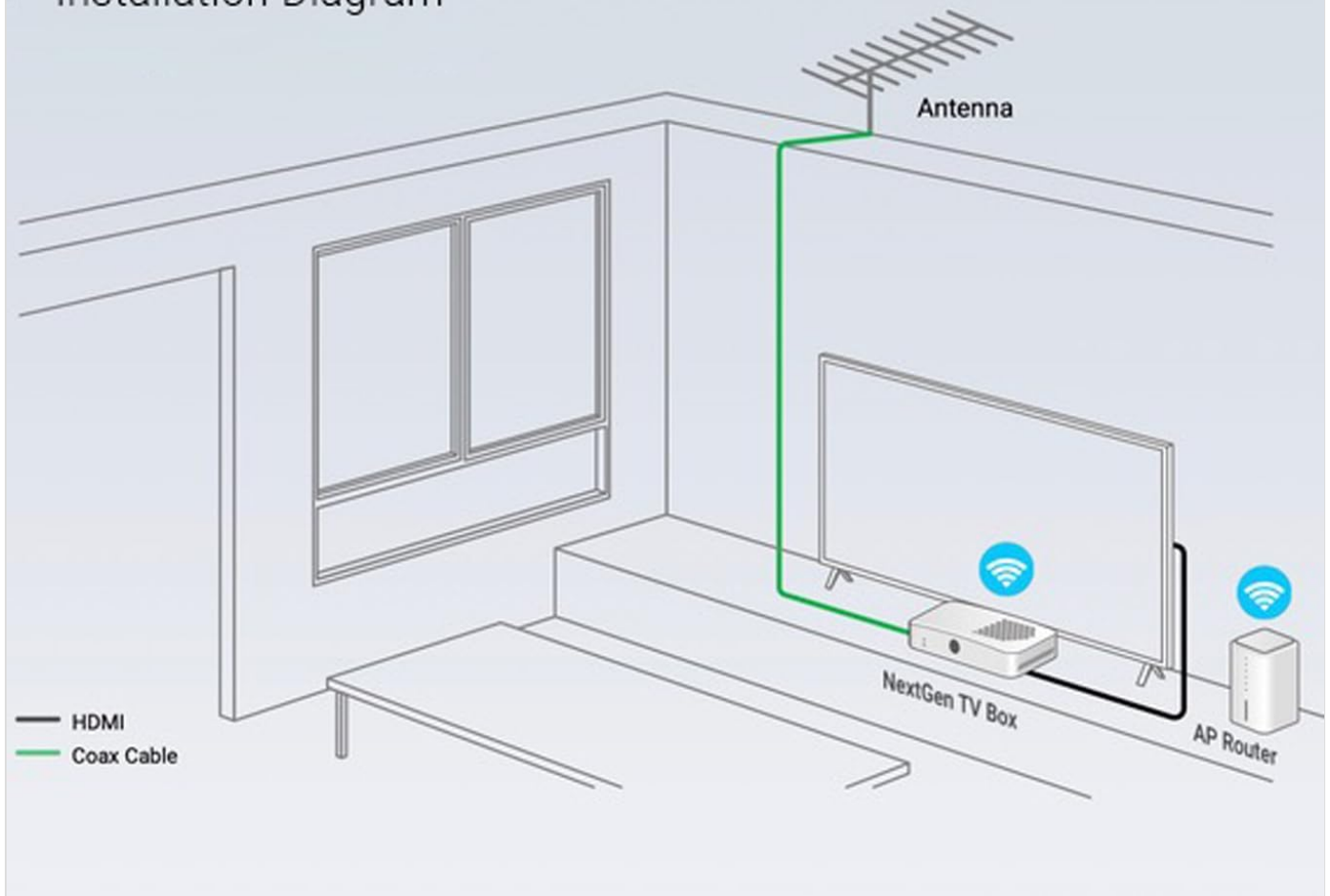


Image: An installation diagram illustrating how to connect the Zinwell NextGen TV Box. It shows an antenna connected to the box via a coaxial cable, and the box connected to a TV via an HDMI cable. An optional Wi-Fi router connection is also depicted.

OPERATING INSTRUCTIONS

Using the Remote Control

The included universal learning remote control allows you to operate the ZAT-600B and can be programmed to control your TV or sound bar. Familiarize yourself with the main functions:

- **Power Button:** Turns the ZAT-600B on or off.
- **Channel Up/Down:** Changes the channel.
- **Volume Up/Down:** Adjusts the volume.
- **Guide Button:** Accesses the Electronic Program Guide (EPG).
- **App Button:** Launches interactive broadcaster applications.
- **Navigation Buttons (Up/Down/Left/Right/OK):** Used to navigate menus and select options.
- **Number Buttons:** Directly enter channel numbers.

Electronic Program Guide (EPG)

Press the **Guide** button on the remote to view the on-screen program guide. The EPG displays current and upcoming programs for all scanned channels, including details like program title, time, and description. Use the navigation buttons to browse through channels and program listings.

Electronic Program Guide

Marie Antoinette

04/21/2023 10:00 AM - 11:00 AM

Marie Antoinette plans a big inauguration ball that makes her the center of attention, and she hopes to convince Louis to choose the pro-Austrian candidate that she defends as prime minister; Louis' wounded pride makes him angry.

Friday, 04/21/2023		10:30 AM	11:00 AM	11:30 AM	12:00 PM
2-1	WGBH*NX 	Marie Antoinette	Amanpour and Company		This Old House
4-1	WBZ*NX 	CSI: Vegas	WBZ News	The Late Show with Stephen Colbert	
5-1	WCVB*NX 	The Good Doctor	NewsCenter 5 at 11:00	Jimmy Kimmel Live	
15-1	WBTS*NX 	Law & Order: Organized ...	NBC10 Boston News at 11:0...	The Tonight Show Starring Jimmy Fallon	
25-1	WFXT*NX 	Boston 25 News at 10PM	Boston 25 News at 11	National News Tonight	Boston 25 News a
50-1	WWJE*NX 	Dateline	The Last 24		The Last 24

Image: A screenshot of the Electronic Program Guide (EPG) displayed on a television screen, showing channel listings, program titles, and broadcast times.

Broadcaster Applications

The ZAT-600B supports interactive applications provided by broadcasters via NextGen TV. These apps can offer additional content, such as sports scores, weather alerts, or on-demand video clips. Press the **App** button on the remote to access these features when available on a broadcast channel.

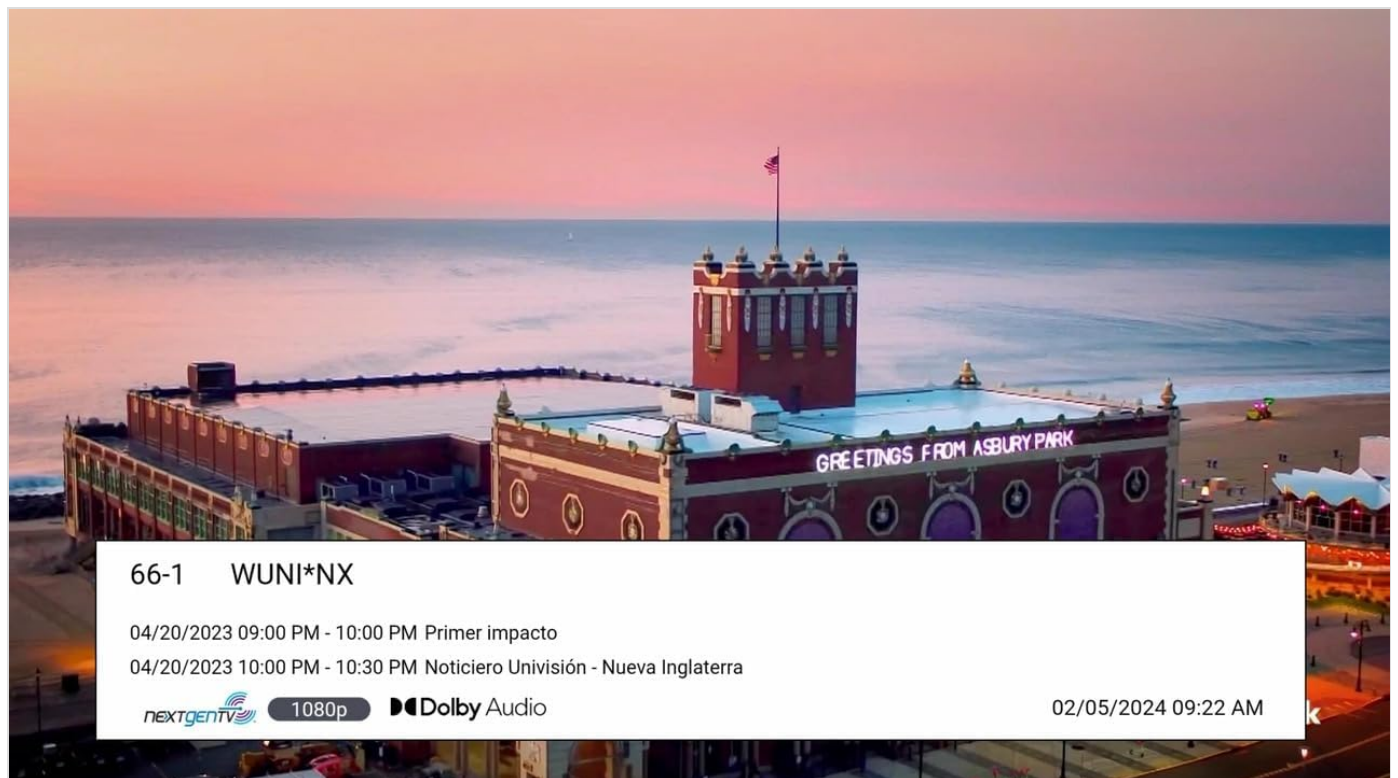


Image: A channel information overlay on a television screen, indicating the channel number, program title, broadcast time, and displaying the NextGen TV and Dolby Audio logos.

4K Upconversion and Enhanced Audio

The ZAT-600B automatically upconverts HD (1080p) broadcasts to 4K resolution for compatible 4K televisions, enhancing picture quality. It also processes Dolby AC4 audio, providing features like Voice + Dialogue Enhancement and Consistent Volume for a richer audio experience.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the ZAT-600B. Do not use liquid cleaners or aerosols.
- **Software Updates:** Ensure the ZAT-600B is connected to the internet (via Wi-Fi or Ethernet) to receive automatic software updates. These updates provide new features, performance improvements, and compatibility with future NextGen TV advancements. Check the system settings menu for manual update options.
- **Ventilation:** Ensure the device is placed in a well-ventilated area. Do not block the ventilation slots on the top or sides of the unit.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No picture or sound	Incorrect HDMI input selected on TV. Power adapter not connected. Antenna not connected or signal too weak.	Select the correct HDMI input on your TV. Ensure the power adapter is securely connected to the ZAT-600B and a working outlet. Check antenna connection. Reposition antenna or consider a stronger antenna/amplifier. Perform a channel rescan.
Cannot find channels	Antenna not connected or positioned correctly. Channel scan not performed or incomplete.	Ensure antenna is connected and pointed towards broadcast towers. Perform a full channel scan through the system settings menu.
Remote control not working	Batteries are dead or inserted incorrectly. Obstruction between remote and ZAT-600B.	Replace batteries with new ones, ensuring correct polarity. Remove any obstructions. Ensure you are pointing the remote directly at the ZAT-600B.
Broadcaster apps not loading	No internet connection. Broadcaster not providing app content.	Verify your internet connection (Wi-Fi or Ethernet). Not all NextGen TV channels provide interactive app content. This feature depends on the broadcaster.

SPECIFICATIONS

Feature	Detail
Model Number	ZAT-600B
Dimensions (L x W x H)	6.25 x 3.5 x 1.25 inches
Weight	1 pound

Feature	Detail
Color	Gray
Tuner Type	ATSC 1.0 / ATSC 3.0 (NextGen TV)
Video Output	HDMI (up to 4K)
Audio Decoding	Dolby AC4
Connectivity	Wi-Fi, Ethernet, Coaxial
Compatible Devices	TVs, Monitors, Projectors

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Zinwell website or contact their customer service. Specific warranty terms and support contact details may vary and are typically provided with your product purchase documentation.

You can often find support resources, FAQs, and contact information by visiting the manufacturer's website: www.zinwell.com

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