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Dayton Audio WBA31

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INTRODUCTION

The Dayton Audio WBA31 is a compact wireless audio streamer receiver designed to integrate Wi-Fi and Bluetooth streaming capabilities into existing audio systems. This device allows for multi-room audio streaming via Wi-Fi using the Dayton Audio Hi-Fly app, and direct audio streaming via Bluetooth. It also supports playback from a micro SD card and features an auxiliary 3.5mm input for wired connections. Audio output options include 3.5mm analog and optical digital, providing versatility for various home audio setups.

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your WBA31 receiver to ensure optimal performance and user experience.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Dayton Audio WBA31 Wireless Audio Streamer Receiver
- Multi-function IR Remote Control
- Power Supply (5V/2A Micro USB)
- Micro USB Cable
- 3.5mm AUX Audio Cable



Figure 1: Included accessories, including power adapter, micro USB cable, 3.5mm AUX cable, and RCA to 3.5mm cable.

DEVICE OVERVIEW

Familiarize yourself with the physical components and connections of the WBA31 receiver.



Figure 2: Front view of the WBA31 receiver. The front panel features the Dayton Audio logo and a mode selection button labeled 'M'. Indicators for Wi-Fi, Bluetooth, and AUX modes are also visible.



Figure 3: Rear and side view of the WBA31 receiver. This view highlights the AUX IN, AUX OUT, Optical output, WPS button, and Micro USB power input on the rear. The Micro SD card slot is visible on the side.





Figure 4: The included IR remote control. It features power, mode selection, volume control, playback controls (play/pause, skip), and numbered preset buttons.

SETUP

- 1. Power Connection:** Connect the provided Micro USB cable to the "POWER" port on the WBA31 and plug the power supply into a wall outlet. The device will power on automatically.
- 2. Audio Output Connection:**
 - Analog Output:** Use the included 3.5mm AUX cable to connect the "AUX OUT" port on the WBA31 to an available analog input (e.g., AUX IN, Line IN) on your amplifier, receiver, or powered speakers.
 - Optical Output:** For digital audio, connect an optical cable (not included) from the "OPTICAL" port on the WBA31 to an optical input on your audio system.
- 3. Download the Hi-Fly App:** For Wi-Fi streaming and multi-room control, download the free Dayton Audio Hi-Fly™ App from the Apple App Store (for iOS devices) or Google Play Store (for Android devices).
- 4. Initial Wi-Fi Setup (via Hi-Fly App):**
 - Open the Hi-Fly App on your mobile device or tablet.
 - Follow the on-screen instructions within the app to connect the WBA31 to your home Wi-Fi network. This typically involves selecting the WBA31 from a list of available devices and entering your Wi-Fi password.

5. Bluetooth Pairing:

- Press the 'M' button on the WBA31 unit or the remote control until the Bluetooth indicator light is active.
- On your mobile device, navigate to Bluetooth settings and select "Dayton Audio WBA31" from the list of available devices to pair.

OPERATING INSTRUCTIONS

Mode Selection

The WBA31 supports Wi-Fi, Bluetooth, and AUX input modes. Use the 'M' button on the unit or the IR remote to cycle through these modes. The corresponding indicator light on the unit will illuminate to show the active mode.

Wi-Fi Streaming (Hi-Fly App)

The Hi-Fly App is the primary interface for Wi-Fi audio streaming and multi-room control.

- **Streaming Services:** The app allows streaming from popular music services like Spotify, TIDAL, Napster, TuneIn, and iHeartRadio.
- **Local Content:** Stream music directly from your mobile device or from a home computer/NAS connected to your network.
- **Multi-Room Audio:** Group multiple Hi-Fly enabled devices (like other WBA31 units or Dayton Audio Wi-Fi speakers) to play synchronized audio across different rooms. You can also play different songs on different devices.
- **AirPlay/DLNA:** The WBA31 is compatible with Apple AirPlay for iOS devices and DLNA for Android devices, allowing direct streaming from compatible applications.

Bluetooth Streaming

Once paired, select "Dayton Audio WBA31" from your device's Bluetooth settings. Audio played on your device will be streamed wirelessly to the WBA31. Use your device's volume controls and the WBA31's remote control for volume adjustment.

AUX Input

Connect an external audio source (e.g., CD player, TV) to the "AUX IN" 3.5mm port on the WBA31 using a 3.5mm audio cable. Switch the WBA31 to AUX mode using the 'M' button. Audio from the connected source will be played through the WBA31's outputs.

Micro SD Playback

Insert a Micro SD card containing audio files into the "MICRO SD" slot on the side of the WBA31. The Hi-Fly app can be used to browse and play content from the Micro SD card. The WBA31 supports lossless audio formats such as WAV, FLAC, APE, and ACC.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the WBA31. Do not use liquid cleaners or solvents.
- **Placement:** Place the unit on a stable, flat surface away from direct sunlight, heat sources, and moisture. Ensure adequate ventilation around the device.
- **Power:** Disconnect the power supply during lightning storms or when the unit is left unused for long periods.

TROUBLESHOOTING

No Power:

Ensure the Micro USB power cable is securely connected to both the WBA31 and a working power outlet. Verify the power adapter is functioning correctly.

No Audio Output:

- Check that the WBA31 is in the correct input mode (Wi-Fi, Bluetooth, or AUX).
- Verify that the audio cables (3.5mm AUX or optical) are securely connected to both the WBA31 and your audio system.
- Ensure your amplifier/receiver is set to the correct input source.
- Adjust the volume on both the WBA31 (via remote) and your connected audio system.

Cannot Connect to Wi-Fi:

- Ensure your Wi-Fi network is 2.4 GHz (the WBA31 does not support 5 GHz).
- Verify you have entered the correct Wi-Fi password in the Hi-Fly app.
- Move the WBA31 closer to your Wi-Fi router to improve signal strength.
- Restart your Wi-Fi router and the WBA31.
- If using WPS, ensure your router supports it and follow the WPS pairing instructions.

Bluetooth Pairing Issues:

- Ensure the WBA31 is in Bluetooth mode.
- Make sure your mobile device's Bluetooth is enabled and discoverable.
- Move your device closer to the WBA31.
- If previously paired, try unpairing and re-pairing the device.

App Not Detecting WBA31:

- Ensure your mobile device is connected to the same Wi-Fi network as the WBA31.
- Restart the Hi-Fly app and the WBA31.
- Check for app updates in your device's app store.

SPECIFICATIONS

Feature	Detail
Bluetooth Version	V4.0
Wi-Fi Standard	802.11 b/g/n 2.4 GHz (150mbps)
Playback Support	Airplay, DLNA, Multi-room playback (Hi-Fly app), Lossless audio (WAV, FLAC, APE, ACC)
Inputs	AUX 3.5mm, Micro SD slot
Outputs	Optical, AUX 3.5mm
Power Input	Micro USB 5V/2A
Working Voltage	5V/1A
Power Consumption (Standby)	1W

Power Consumption (Working)	8W
Case Material	ABS Plastic
Dimensions (H x W x D)	0.75" x 3" x 3" (approximately)
Item Weight	10.4 ounces (0.65 lbs)

WARRANTY

The Dayton Audio WBA31 Wireless Wi-Fi & Bluetooth Audio Streamer Receiver comes with the following warranty:

- **Parts:** 5 Years
- **Labor:** 5 Years

Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Dayton Audio customer support. Refer to the official Dayton Audio website for the most current contact information and support resources.

Online Resources: Visit the Dayton Audio website for FAQs, updated manuals, and software downloads.

Contact Information: Specific contact details (phone, email) can be found on the official Dayton Audio support page.