

Audio-Technica ATW-2110C

Audio-Technica ATW-2110c Wireless Bodypack System - I Band User Manual

Model: ATW-2110C

[Introduction](#) [Components](#) [Setup](#) [Operating](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty](#) [Su](#)

1. INTRODUCTION

This manual provides instructions for the proper setup, operation, and maintenance of your Audio-Technica ATW-2110c Wireless Bodypack System. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

The Audio-Technica ATW-2110c is a robust 10-channel wireless audio system designed for various applications, including mobile rigs, small venues, and school auditoriums. It offers reliable wireless sound transmission with a range of approximately 300 feet.

2. SYSTEM COMPONENTS

The ATW-2110c system includes the following main components:

- **ATW-R2100c Receiver:** A compact half-rack receiver unit.
- **ATW-T210c Bodypack Transmitter:** A portable transmitter for use with a 4-pin cW-style microphone (microphone not included).
- **Rackmount Kit:** For integrating the receiver into a standard equipment rack.
- **UHF Antennas:** A pair of detachable UHF antennas for signal reception.



Figure 2.1: Overview of the Audio-Technica ATW-2110c Wireless Bodypack System components.

3. SETUP INSTRUCTIONS

3.1 Receiver Placement and Antenna Connection

1. **Position the Receiver:** Place the ATW-R2100c receiver in a location free from obstructions and away from potential sources of interference (e.g., computers, digital processors, large metal objects). For rack mounting, use the provided rackmount kit.
2. **Attach Antennas:** Screw the two detachable UHF antennas onto the corresponding antenna connectors on the rear panel of the ATW-R2100c receiver. Ensure they are securely tightened. Position the antennas vertically for optimal reception.
3. **Power Connection:** Connect the supplied AC adapter to the DC input jack on the receiver and then plug it into a standard AC power outlet.

3.2 Bodypack Transmitter Setup

1. **Install Batteries:** Open the battery compartment of the ATW-T210c bodypack transmitter. Insert two fresh AA alkaline batteries, observing the correct polarity (+/-). Close the compartment securely.
2. **Connect Microphone:** Plug your 4-pin cW-style microphone (e.g., lavalier, headworn) into the input jack on the bodypack transmitter. Ensure the connector clicks into place.
3. **Power On:** Press and hold the power button on the bodypack transmitter until the indicator light illuminates.

3.3 Frequency Synchronization

Follow the receiver's display and controls to select an available channel and synchronize it with the bodypack transmitter. Refer to the receiver's specific instructions for detailed frequency scanning and pairing procedures.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- **Receiver:** The receiver powers on automatically when connected to power. Use the front panel power button if available, or disconnect the AC adapter to power off.
- **Transmitter:** Press and hold the power button on the bodypack transmitter to turn it on or off. The LED indicator will show power status.

4.2 Adjusting Audio Levels

Adjust the output level on the ATW-R2100c receiver to match the input requirements of your mixing console or amplifier. Start with a low level and gradually increase it to avoid distortion. The bodypack transmitter typically has a gain control for the microphone input; adjust this to prevent clipping at the source.

4.3 Monitoring Performance

Regularly check the RF and AF indicators on the receiver. A steady RF signal indicates good wireless connection. The AF indicator should fluctuate with audio input. If the RF signal is weak or intermittent, reposition the antennas or the transmitter.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the receiver and transmitter. Do not use harsh chemicals or abrasive cleaners.
- **Battery Replacement:** Replace batteries in the bodypack transmitter when the low battery indicator appears or when performance degrades. Always use fresh, high-quality AA alkaline batteries. Remove batteries if the unit will not be used for an extended period.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Transmitter not powered on Receiver not powered on Microphone not connected or faulty Incorrect frequency synchronization Receiver output level too low	Ensure transmitter is on and has fresh batteries. Verify receiver is powered and connected. Check microphone connection and test microphone. Resynchronize transmitter and receiver frequencies. Increase receiver output level.
Intermittent signal or dropouts	Obstructions between transmitter and receiver Interference from other wireless devices Low transmitter battery Antennas improperly positioned	Ensure clear line of sight. Change operating frequency or move away from interference sources. Replace transmitter batteries. Adjust antenna position for optimal reception.
Distorted audio	Transmitter input gain too high Receiver output level too high	Reduce input gain on the bodypack transmitter. Lower the output level on the receiver.

7. SPECIFICATIONS

Model Number	ATW-2110C
Brand	Audio-Technica
Item Weight	6.61 pounds
Package Dimensions	27 x 18 x 5 inches

Color	Black
Compatible Devices	Microphone
Connector Type	XLR (for receiver output)
Power Source	Battery Powered (Transmitter), AC Adapter (Receiver)
Wireless Range	Approximately 300 feet (line of sight)
Channels	Up to 10 usable channels

8. WARRANTY INFORMATION

Audio-Technica products are designed and manufactured to strict quality standards. For specific warranty terms and conditions applicable to your ATW-2110c Wireless Bodypack System, please refer to the warranty card included with your product or visit the official Audio-Technica website. Keep your proof of purchase for warranty claims.

9. CUSTOMER SUPPORT

If you encounter any issues not covered in this manual or require further assistance, please contact Audio-Technica customer support. You can find contact information, FAQs, and additional resources on the official Audio-Technica website:

[Visit Audio-Technica Support](#)

Please have your model number (ATW-2110C) and purchase date ready when contacting support.