

## ISOtunes IT-36B

# ISOtunes Sport ADVANCE BT 2.0 User Manual

Model: IT-36B

Brand: ISOtunes

## 1. INTRODUCTION

The ISOtunes Sport ADVANCE BT 2.0 are tactical shooting earbuds designed to provide certified hearing protection while offering situational awareness and Bluetooth connectivity. These earbuds feature an ANSI-rated 26dB Noise Reduction Rating (NRR) and 33dB Single Number Rating (SNR), ensuring effective suppression of loud noises like gunshots. They are also equipped with advanced audio features for communication and entertainment.

## 2. BOX CONTENTS

Upon opening your ISOtunes Sport ADVANCE BT 2.0 package, you will find the following items:

- ADVANCE BT 2.0 Earbuds
- Carrying Case
- USB-C Charging Cable
- 4 pairs of TRILOGY™ Eartips (XS, S, M, L)
- 1 pair of Silicone Triple Flange Eartips
- Clothing Clip
- Cord Clips
- Adhesive Wind Noise Filters

# BOX INCLUDES



Figure 2.1: Items included in the product package.

## 3. SETUP

### 3.1 Eartip Selection and Fitting

Proper eartip selection and fitting are crucial for achieving the advertised Noise Reduction Rating (NRR) and optimal sound quality. The product includes both TRILOGY™ heat-activated memory foam eartips and triple silicone flange eartips.

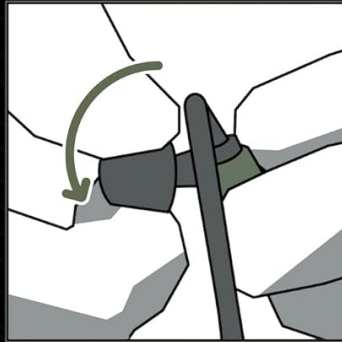
- **Memory Foam Eartips:** Before inserting, roll the foam eartip between your fingers to compress it. Insert the compressed eartip firmly into your ear canal and hold it in place for a few seconds while the foam expands to create a seal.
- **Silicone Eartips:** Select the size that provides a snug fit without discomfort. Insert the eartip into your ear canal until a comfortable seal is achieved.

The earbuds feature automatically shaping ear hooks designed to fit securely around your ear. The thin wire connecting the earbuds is designed to be comfortable even when wearing shooting glasses.

# HOW IT WORKS

## 1 Passive Hearing Protection

Eartips are made of heat-activated polyurethane foam designed and tested for reducing noise (26 NRR).



Roll foam between your fingers



Insert into your ear and wait for it to expand

## 2 Electronic Amplification + Noise Suppression

Limits harmful impact and continuous noise to a safe level.

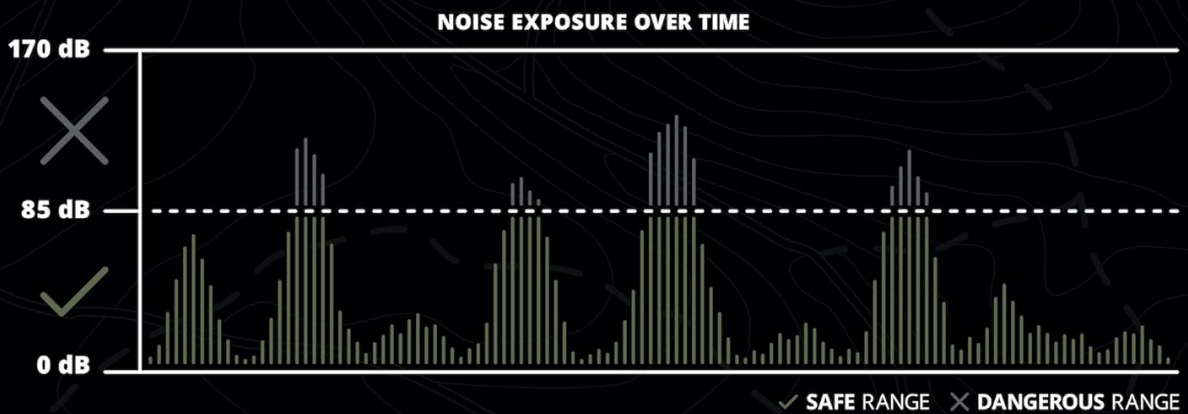


Figure 3.1: Proper insertion of foam eartips for effective noise reduction.

### 3.2 Charging

The ISOtunes Sport ADVANCE BT 2.0 earbuds are USB-C rechargeable. Connect the provided USB-C charging cable to the charging port on the control module. A full charge provides over 15 hours of continuous audio streaming or up to 24 hours of tactical sound control. A 15-minute fast charge can provide an additional 2 hours of use.

### 3.3 Bluetooth Pairing

The earbuds utilize Bluetooth 5.4 with Low Energy (LE) and Auracast support. They also support dual Bluetooth pairing, allowing connection to two devices simultaneously. To pair, activate Bluetooth on your device and select 'ISOtunes Sport ADVANCE BT 2.0' from the available devices list.

## 4. OPERATING INSTRUCTIONS

### 4.1 Controls

The control module features buttons for power, volume adjustment, and Tactical Sound Control (TSC) management. Refer to the Quick Start Guide for detailed button functions.

#### 4.2 Tactical Sound Control (TSC)

The Tactical Sound Control (TSC) Technology provides up to 8x amplification of ambient sounds, enhancing situational awareness. It features an ultra-fast impact response time of less than 2 milliseconds to safely suppress loud impulse noises like gunshots, without sacrificing your ability to hear surrounding sounds or commands.



Figure 4.1: How Tactical Sound Control manages noise exposure.

#### 4.3 Audio Experience

Custom, full-range dynamic drivers deliver a high-fidelity audio experience, allowing for clear music streaming and podcast listening. The earbuds are compatible with 2-way radios for enhanced communication.



Figure 4.2: Earbuds in use during a shooting activity.

## 5. MAINTENANCE

To ensure the longevity and performance of your ISOtunes Sport ADVANCE BT 2.0 earbuds, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the eartips and the earbud surfaces with a soft, dry cloth. For foam eartips, ensure they are dry before storage.
- **Storage:** Store the earbuds in their rigid zipper case when not in use to protect them from dust and physical damage. The magnetic earbuds help prevent tangling.
- **Durability:** The earbuds are built to last, tested to military drop/shock specifications (MIL-STD 810H) and feature an IP67 dust and water resistant rating. While durable, avoid unnecessary exposure to extreme conditions.
- **Wind Filters:** Use the included adhesive wind filters to optimize TSC performance in windy environments. Replace them as needed.

## 6. TROUBLESHOOTING

If you encounter issues with your ISOtunes Sport ADVANCE BT 2.0 earbuds, consider the following common solutions:

- **No Power:** Ensure the earbuds are fully charged using the provided USB-C cable.
- **No Sound/Low Volume:** Check the volume levels on both the earbud control module and your connected device. Ensure eartips are properly seated in your ear canal.
- **Bluetooth Connectivity Issues:** Ensure Bluetooth is enabled on your device and the earbuds are in pairing mode. Try unpairing and re-pairing the device. Ensure no other devices are interfering with the connection.
- **Tactical Sound Control Malfunction:** Verify that the TSC feature is enabled. Check for any obstructions on the microphones.
- **Distorted Audio:** Ensure the earbuds are within Bluetooth range of your device. Check for physical damage or debris in the earbud speakers.

For persistent issues, refer to the detailed Quick Start Guide or contact ISOtunes customer support.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	IT-36B
Noise Reduction Rating (NRR)	26 dB
Single Number Rating (SNR)	33 dB
Tactical Sound Control Amplification	Up to 8x
Impact Response Time	<2 milliseconds
Bluetooth Version	5.4 (supports LE Audio & Auracast)
Battery Life (Audio Streaming)	15+ hours
Battery Life (Tactical Sound Control)	Up to 24 hours
Fast Charging	2 hours use from 15-minute charge
Charging Port	USB-C
Durability Rating	IP67 Dust and Water Resistant, MIL-STD 810H

## 8. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please visit the official ISOtunes

website or contact their customer service department. Keep your purchase receipt for warranty claims.

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