



## B-RTX | Data Sheet

Auracast™ Transceiver and Media Player



### Highlights:

- Versatile Transceiver (Transmitter and Receiver)
- Low-Latency Audio Streaming (<40ms)
- Easy Connectivity: NFC, Beacons, and B-SmarHive
- Wide Area Coverage
- Fully Interoperable with Auracast™ Transmitters
- MP3 On-Demand Streaming

## OVERVIEW

Bettetear's B-RTX is a state-of-the-art solution for visitors and tour guides seeking a superior auditory experience. Fully compatible with the B-CASTER series, the B-RTX serves as a smart, easy-to-use receiver for those without Auracast™-enabled devices.

Enhancing experiences with superior sound quality to explore the world like never before.

## KEY FEATURES

### 1. DUAL MODE

The B-RTX supports both RX (Receiver) and TX (Transmitter) modes, making it a versatile and ideal solution for various settings.

### 2. REAL-TIME AUDIO STREAMING

The B-RTX is designed for transmitting and receiving low-latency audio over Auracast™ (<40ms), delivering crystal-clear sound, at live events, museum tours, or exhibition halls.

### 3. EXTENDED RANGE

Featuring advanced RF engineering, the B-RTX ensures robust and reliable wireless coverage of up to 50m, even in challenging environments.

### 4. VERSATILE CONNECTIVITY

The B-RTX features a built-in 3.5mm TRRS audio jack for use with headphones, neck-loops, headsets and microphones.

### 5. USER-FRIENDLY INTERFACE

The B-RTX is equipped with a vibrant color screen and large, tactile navigation buttons, offering an intuitive and seamless experience for all users.

### 6. LONG BATTERY LIFE

The B-RTX efficient power circuitry, ensures over 10 hours of continuous operation on a single charge, making it ideal for full-day tours and extended use.

### 7. B-CASTER COMPATIBILITY

THE B-RTX is fully compatible with Bettetear's B-CASTER, seamlessly integrating into existing Auracast™ deployments as a designated receiver for those without Auracast™-enabled devices.

### 8. 9. MEDIA PLAYING

The B-RTX can play and broadcast MP3 audio files from an SD card, enhancing guided tours and other public venues activities. Its built-in Ducking feature automatically lowers playback volume while the guide speaks into the microphone.

### 9. CONNECT WITH EASE

The B-RTX effortlessly connects to Auracast™ streams through beacons, NFC and the B-SmartHive, simplifying operations when managing multiple devices in settings like museums and visitor centers.

Connect through:

RTX Attachment

B-PASS

B-SmartHive

Detection Beacon



## TYPICAL USE CASES

- Personalized and Assistive Listening: Cultural venues, theaters, cinemas, classrooms and more.
- Guided Tours: Museums, visitor centers and exhibitions.
- Silent Environment: Sports bars, waiting areas, “quiet” airports.
- Secure Listening: Courtrooms, meeting rooms, banks and more.

## PRODUCT-SPECIFIC BENEFITS

**DUAL MODE:** Bettlear's B-RTX is designed to be used as a market-leading standalone Auracast™ transceiver (Transmitter and receiver). It is intended for visitor centers, museums, and other venues where a guide interacts with visitors or for self-guided tours. The B-RTX offers top-notch sound quality.

**ADVANCED RF CAPABILITIES:** Bettlear's B-RTX has been carefully designed to provide excellent RF quality, ensuring full coverage for both indoor and outdoor Auracast™ applications. Its advanced RF circuitry and custom antennas ensure low-latency transmission of high-quality audio to its users.

**EASY CONNECTION:** The B-RTX provides multiple options for seamless and secure connectivity, making it effortless to access and enjoy content in various use cases. With the B-RTX, streaming and listening have never been easier.

**MEDIA PLAYING:** A variety of options are now available with the B-RTX's Media Playing capability. In guided tours and other use cases, this feature enriches the experience and opens a wide range of opportunities.



## ORDERING OPTIONS

|                  |                                                      |
|------------------|------------------------------------------------------|
| B-RTX EXPERIENCE | Receiver only mode                                   |
| B-RTX DUPLEX10   | Transceiver (TX/RX), Max TX power 10dBm              |
| B-RTX DUPLEX10+  | Transceiver (TX/RX) + Media (SD), Max TX power 10dBm |
| B-RTX DUPLEX20   | Transceiver (TX/RX), Max TX power 20dBm              |
| B-RTX DUPLEX20+  | Transceiver (TX/RX) + Media (SD), Max TX power 20dBm |
| Colors           | The B-RTX can be ordered in Gray, Blue and Black     |

## WARRANTY

Please visit [www.bettetear.com](http://www.bettetear.com) for warranty and service information.

WARNING: Electrical Shock Hazard. No user-serviceable parts inside. Do not remove or open the cover to reduce the risk of electrical shock. Please get in touch with Bettetear for assistance.

## PRIVACY POLICY

Please visit [www.bettetear.com](http://www.bettetear.com) for privacy policy and service information.

## SUPPORT

Please visit [www.bettetear.com](http://www.bettetear.com) and use [info@bettetear.com](mailto:info@bettetear.com) or call +972-3-7778630