



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 16 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 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 for privacy policy and service information.

SUPPORT

Please visit www.bettetear.com and use info@bettetear.com or call +972-3-7778630