



# VXi-BTC

JLid™ BLUETOOTH® COMMUNICATOR



### Limited Warranty – Electronics (USA)

JL Audio warrants this product to be free of defects in materials and workmanship for a period of **two (2) years** from the original date of purchase. This warranty is not transferable and applies only to the original purchaser from an authorized JL Audio dealer. Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction, JL Audio will (at its discretion), repair or replace the defective product with new or remanufactured product at no charge. Damage caused by the following is not covered under warranty: accident, misuse, abuse, product modification or neglect, failure to follow installation instructions, unauthorized repair attempts, misrepresentations by the seller. This warranty does not cover incidental or consequential damages and does not cover the cost of removing or reinstalling the unit(s). Cosmetic damage due to accident or normal wear and tear is not covered under warranty.

### Warranty is void if the product's serial number has been removed or defaced.

Any applicable implied warranties are limited in duration to the period of the express warranty as provided herein beginning with the date of the original purchase at retail, and no warranties, whether express or implied, shall apply to this product thereafter. Some states do not allow limitations on implied warranties, therefore these exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

### If you need service on your JL AUDIO product:

All warranty returns should be sent to JL Audio's Electronics Service Facility freight-prepaid through an authorized JL Audio dealer and must be accompanied by proof of purchase (a copy of the original sales receipt). Direct returns from consumers or non-authorized dealers will be refused unless specifically authorized by JL Audio with a valid return authorization number. Warranty expiration on products returned without proof of purchase will be determined from the manufacturing date code. Coverage may be invalidated as this date is previous to purchase date. Non-defective items received will be returned freight-collect. Customer is responsible for shipping charges and insurance in sending the product to JL Audio. Freight damage on returns is not covered under warranty.

### For Service Information in the U.S.A. please call

#### JL Audio Customer Service:

(954) 443-1100 9:00 AM – 5:30 PM (Eastern Time Zone)

#### JL Audio, Inc.

10369 North Commerce Pkwy. Miramar, FL 33025

(Do not send product for repair to this address)

### International Warranties:

Products purchased outside the United States of America are covered only by that country's distributor and not by JL Audio, Inc.

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### FCC Compliance Statement

NOTE: This equipment has been tested and found to comply with the limits of Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

## Product Description

The VXi-BTC is a wireless communication accessory designed to add handheld control functionality to VXi amplifiers. Equipped with Bluetooth® LE (Low Energy), the VXi-BTC permits wireless (up to 33 ft/10 m away) configuration of VXi amplifiers using your compatible mobile device running TüN™ mobile applications. **Note: The VXi-BTC provides a control interface only and does not support audio streaming.**

### Mobile applications of TüN™ software include:

**TüN™ Express** – For iPhone, iPad and Android phones and tablets.

Delivers streamlined options, for fast and simple amplifier setup.

**TüN™ Mobile** – For iPad and Android tablets. Enjoy the full-featured TüN™ software experience on your tablet, with the freedom of a wireless connection.

(TüN™ Express and TüN™ Mobile is available on the App Store and on Google Play.)

### What is Included

(1) VXi-BTC Bluetooth® Communicator

(1) CAT5e Network Cable (6.5 ft./2 m)

(1) Mounting Clip

(2) Mounting Screws

## Placement Considerations

The VXi-BTC module should be installed in a location where it can be easily accessed for device pairing and viewing of its status LED. While the VXi-BTC module can be mounted in any orientation, its installation location should be considered to optimize RF performance. For example, we recommend that you avoid mounting it directly to large metal surfaces or to wire harnesses.

### JLid™ Host Device Connection Options

The VXi-BTC utilizes a proprietary JLid™ protocol for communicating with a host device.

Using the supplied network cable (CAT5e), all energy to power the VXi-BTC is derived from the JLid™ port of a connected host device. Refer to the chart below for host device connection options.

JLid™ Host Device	JLid™ Host Device Connection Point
VXi Amplifier	JLid™ CTRL Port or JLid™ COMM Port
VXi-HUB	JLid™ COMM Accessory Port

**Note: If your mounting location exceeds the supplied cable's length, you may use a longer cable (not included) of the same type (CAT5e). For optimum performance, the cable length should be kept as short as possible.**

### Mounting Clip Installation

A mounting clip is included to secure the VXi-BTC module. Use the supplied screws to fasten the mounting clip to a flat surface. Once the mounting clip is installed, attach the VXi-BTC module by pressing one side of its notched center section against the inside of one of the arms of the mounting clip. Continue pressing inward until both arms of the mounting clip snap around the notched center section of the VXi-BTC module. To remove, grasp the body of the VXi-BTC module and pull while rotating away from the mounting clip.

## Bluetooth® Operation

Multiple devices can be paired to the VXi-BTC, however communication via Bluetooth® is limited to one active device at a time. The VXi-BTC utilizes a top-mounted LED control button to manage all pairing and configuration.

### Pairing a new device:

1. Connect the VXi-BTC to a JLid™ port of a host device. The LED control button will initialize, then flash blue.
2. Open and run TüN™ Mobile or TüN™ Express on your mobile device and open the **SELECT/RENAME DEVICE** menu. (Opens automatically when app launches.)
3. Select **VXi (BT)** from the list of available devices, then select **OK**. (Select **Pair** if a **Bluetooth Pairing Request** prompt appears on your device.) The VXi-BTC LED ring lights solid blue, then solid green when pairing is successful. Continue through the TüN™ screen prompts for VXi amplifier configuration.
4. When the **SELECT/RENAME DEVICE** menu is reopened and **Select device** is chosen, the name of the selected BTC host device will be highlighted.

### Reconnecting a paired device:

1. Open and run TüN™ Mobile or TüN™ Express on your mobile device and open the **SELECT/RENAME DEVICE** menu. (Opens automatically when app launches.)
2. Select **VXi (BT)** from the list of available devices, then select **OK**. The VXi-BTC LED ring lights solid blue, then solid green when pairing is successful. Continue through the TüN™ screen prompts for VXi amplifier configuration.

### Reboot/Restart:

To perform the reboot/restart function, simply cycle the host device's power or disconnect and reconnect the VXi-BTC from the JLid™ port of the host device.

### Factory Reset:

Performing the Factory Reset function will remove all paired devices from memory and restore the VXi-BTC to an original, factory default state.

1. Press and hold the LED control button for ten seconds until the LED ring flashes white once, then release the LED control button.
2. From your device, remove/forget the VXi-BTC from its list of paired devices before attempting to reconnect/pair the VXi-BTC with the same device.

**Note: This step must be performed to avoid an error report in TüN™.**

## LED Control Button Status & Functionality

Refer to the table below for the meaning and functionality of the LED control button.

LED Status	Operational State	Description	Note	Single Button Press	Press/Hold for 10 Seconds
Flashing Blue	Open Visibility	VXi-BTC is detectable and can be paired with any compatible device.	N/A	No effect	Initiates Factory Reset (see Factory Reset section)
Solid Blue	Paired	Indicates a successful pairing with a device.	Switches to Active Connection after pairing	Switches to Open Visibility state	No effect
Solid Green	Active Connection	Indicates a live connection with a paired device.	Switches to Restricted Visibility when disconnected	Switches to Restricted Visibility state	No effect
Flashing Green	Restricted Visibility	VXi-BTC is detectable, but can only be connected to a previously paired device.	N/A	Switches to Open Visibility state	Initiates Factory Reset (see Factory Reset section)

## Specifications

Bluetooth® Topology	LE (Low Energy)
Bluetooth® Core Specification	Version 4.2
Host Interface	Proprietary VXi JLid™ protocol
Input Operating Voltage	5 VDC
Current Draw	50 mA (max)
Connection Range	Up to 33 ft / 10 m