## *Specifications*

### *BTA-1 Inline Bluetooth Local Source Module*

| | |
|---|---|
| Power requirements: | supplied by A-BUS hub via CAT-5 |
| Frequency: | 2402 to 2483.5 MHz |
| CAT-5 connection: | RJ-45 (T568A standard) |
| Dimensions: | 68mm x 57mm x 23mm (W x D x H) |
| Weight: | 3.1 ounces |
| Max cable length: | Inline device (Maintain 150' total maximum length CAT-5 between A-BUS hub and A-BUS keypad) |

## *Safety Instructions*

1. Read Instructions - All the safety and operating instructions should be read before the equipment is operated.

2. Retain Instructions - The safety and operating instructions should be retained for future reference.

3. Heed Warnings - All warnings on the equipment in the operating instructions should be adhered to.

4. Follow Instructions - Follow all operating and user instructions.

5. Water and Moisture - The equipment should not be used near water; for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

6. Mounting - The equipment should be mounted or secured as recommended by the manufacturer.

7. Heat - The equipment should be situated away from heat sources such as radiators, heat registers, stoves, or other equipment (including amplifiers) that produce heat.

8. Power Sources - The product should be connected to a power supply only of the type described in the operating instructions or as marked on the equipment.

9. Grounding or Polarization - Precaution should be taken so that the grounding or polarization means of the product is not defeated.

10. Avoid spills and foreign objects. Ensure liquids and objects don't get into the product enclosure through any openings.

11. Damage Requiring Service - The equipment should be serviced by qualified service personnel when: the power supply cord or the plug has been damaged; objects have fallen, liquid has been spilled into the equipment; the equipment has been exposed to rain; the equipment does not appear to operate normally; or the equipment has been dropped or the enclosure is damaged.

12. Servicing - The user should not attempt to service the equipment beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

13. Care – From time to time you should wipe any dust accumulation from the equipment with a soft dry cloth.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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 and used 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 of 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, or consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada.

Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Conforms to UL60065 Certified to CAN/CSA IEC60065

FCC ID: WNN-BTA100001
IC: 7950A- BTA100001.



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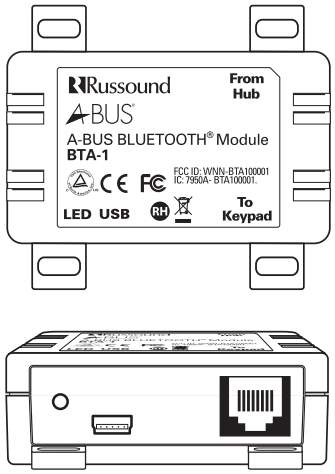
Russound®

# BTA-1

## Inline Bluetooth Local Source Module for A-BUS® Systems

**Preliminary TUV Manual**




## *Overview*

The BTA-1 Bluetooth Module is an A-BUS compatible Local Source Module that enables the use of a portable media player, smartphone, or other Bluetooth equipped device to wirelessly transmit audio content to an A-BUS keypad. Like all A-BUS Local Source Modules, the BTA-1 will interrupt any audio signal that precedes it automatically when in use. It easily integrates with existing systems and does not require dedicated wiring. It is installed anywhere inline of the CAT-5 cable between the A-BUS keypad and hub or controller. There are no other connections or power supplies required. It can even be programmed with a custom name for easy identification using a USB cable and a free software download from Russound.

A-BUS®



This product may be covered by one or more of the following patents: US #7,181,023, #6,389,139; EP #1004222, AU #739808, NZ #502982, Mexico #241196, Canada #CA2301062

## *Connection Instructions*

Read all instructions before starting the installation.

Determine the ideal location for the BTA-1 Inline Bluetooth Local Source Module, keeping in mind that structural elements, concrete, and other 2.4 gHz transmitters may interfere with the signal. BTA-1 Inline Bluetooth Local Source Module may be located anywhere inline between the A-BUS hub/controller and A-BUS keypad. It will work with other inline A-BUS local source modules noting that the one closest to the keypad will have priority. The BTA-1 Inline Bluetooth Local Source Module can be programmed with a custom name using a USB cable. If not programmed before installation, it should be accessible to do so after installation.

Route a single CAT-5 cable from the A-BUS® Audio Distribution Hub to the BTA-1 Inline Bluetooth Local Source Module location. Then route another single CAT-5 cable from the BTA-1 to the A-BUS keypad or another A-BUS local source module if used i.e. A-LC3. Terminate the end of the CAT-5 cables connected to the BTA-1 with RJ-45 plugs using the T568A standard wiring configuration. Once connected to the A-BUS® hub, the blue LED will light (solidly) indicating the local source module is powered and ready to be paired to your Bluetooth enabled device.

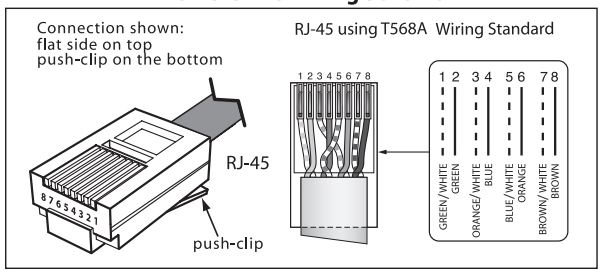
You can rename the BTA-1 device ID by connecting a USB cable to your computer. Free programming software can be downloaded from the Support Center at www.russound.com along with instructions to rename the BTA-1 to identify the zone it belongs to, (ie. bedroom, kitchen, outdoors, etc…).

## *Pairing your BTA-1*

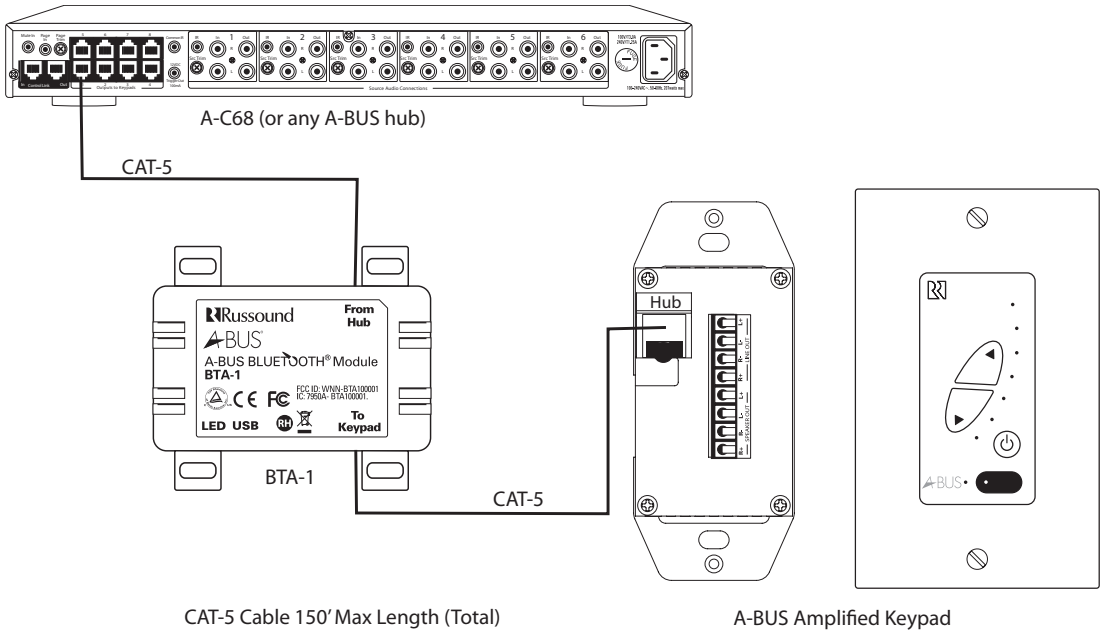
Turn on a Bluetooth enabled source i.e. media player, smartphone, or computer. Open the Bluetooth menu and enable the Bluetooth pairing feature on the device. Select the A-BUS® Bluetooth product by its configured name from the list of available Bluetooth products. Once paired, the blue LED will blink once every three seconds to show there is an active connection to the Bluetooth source.

Select the desired audio from the device and start the playback. The blue LED will flash slowly, and return to a solid blue state when the connection is lost due to range limitation or disconnected manually.

**RJ-45 CAT-5 Wiring Scheme**




## *Connection Diagram*




CAT-5 Cable 150' Max Length (Total)

A-BUS Amplified Keypad

## *Testing*

For Local Source configurations

The configured zone should turn on, select the Bluetooth source input, and set the volume level accordingly.

Test function

Use the Bluetooth source to change volume level – a change should be heard.

Use the Bluetooth source to change the audio content.

Disable Bluetooth on the source device then re-enable it and reconnect to the BTA-1 and recheck all functions.

Normal Use

Only one device at a time may be actively paired with the BTA-1. Activate the Bluetooth feature from the source device and connect or 'pair' with the BTA-1 selecting its assigned name. Choose your music and start playing. The BTA-1 will automatically override any audio signal that precedes it in the system. Note that any additional local source modules in line between the BTA-1 and the A-BUS keypad will override the BTA-1 audio. When finished, disconnect your device from the BTA-1 or turn off the Bluetooth feature of the source device. If you move your device out of range from the module it will automatically sever the connection. If you are unable to connect to the receiver, another device within range of the receiver is probably connected.

## *Troubleshooting*

My music is not coming out of the stereo speakers

## *Solutions*

Ensure the A-BUS® Amplified keypad is turned on and volume is set at a suitable level and not muted.

Ensure the volume on your Bluetooth enabled source i.e. media player, smartphone, or computer is set to a suitable level.

Ensure the RJ-45 input and output cables are correctly and firmly connected to the receiver module.

Ensure your Bluetooth enabled source i.e. media player, smartphone, or computer is within the 50 ft. (15m) range of the BTA-1 module.

Ensure the BTA-1 module is powered and the blue LED is solidly on (device not connected to a Bluetooth enabled device).

Ensure the BTA-1 module is powered and the blue LED is flashing once every three seconds (indicating your device is connected via Bluetooth technology).