

BLUETOOTH TRANSCIEVER

MANUAL



Technical data:

Analogue audio input: Mono +6dBu

Analogue audio outputs: Stereo +6dBu



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The AeroAudio BT is a Bluetooth receiver and transmitter for connecting Bluetooth devices to a studio. Not only can music be played from a phone, but also the phone can be used as a telephone fork and thus directly via whatsapp, skype, telephony or other communication apps a conversation in the broadcast. The caller hears the return signal from the studio.

Switching on

When the BT I is switched on, the LED in the connect button will blink fast. This indicates the BT I will start. After starting, the led in the connect button will blink once per 3 seconds. This indicates the BT I is ready to connect, the BT I is now in stand-by mode.

Making a connection

Push the connect button for 1 second to make a new connection. The LED will blink once per second.

The BT I is now visible for other Bluetooth devices under the name AeroAudio BT I. When the bluetooth connection is established, the LED will light up continuously.

As long as the LED is on continuously, it is possible to play audio files or record telephone calls.

In case of an incoming phone call, the BT I will automatically answer the call.

Disconnecting

Press the connect button for 1 second. The BT I will disconnect the existing Bluetooth connection. The LED will blink once per second again, ready to establish a new connection.

Making the module invisible

To make the module invisible to other devices, press the connect button for 1 second after disconnecting it. The LED will now blink once every 3 seconds. The module is no longer visible and pairing is not possible. This avoids confusion about which BT module to connect to when using multiple BT modules.





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Multiple modules in the same room

If more than one module is used a short distance apart, it is difficult to tell them apart because they have the same name. Therefore, there is an option to customize this name. It is possible to change the number in the name. The 1 in the name "AeroAudio BT 1" can be changed to resp. 1 to 9.

If you press and hold the connect button for 3 seconds when connecting the power supply, the module enters the programming mode. So first press the button, then connect the power. The LED will now blink in the rhythm of the number; so 1 time for the number 1, 2 times for the number 2 etc. By pressing the button 1 time briefly, the number is increased by 1. The LED blinks equal to the value of the digit. After 9 times the number will return to 1.

If the correct number is chosen, the button again 3 seconds and then this setting is stored. This setting will be stored until it is changed again.



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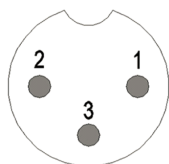
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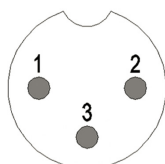
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XLR 3 pen female

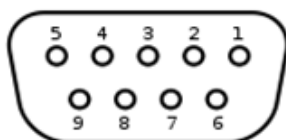


XLR 3 Pen male



Pin	Function	Type
1	Shield	Shield
2	Signal +	Input
3	Signal -	Input

SUB-D 9 female



Pin	Functie	Type
1	Switching contact "CONNECT"	Input
2	LED status, +12 volt 20mA	Output
3		n.c.
4		n.c.
5		n.c.
6	Ground contact Pin 1	Ground
7	Ground Pin 2	Ground
8		n.c.
9		n.c.



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Power supply

12 volts DC. Polarity unimportant
Maximum absorbed power: 60mA

Radio module

Bluetooth v4.2 class 2
Frequency: 2400Mhz to 2480MHz
Maximum RF power: 2dBi

RF module certification

- BT SIG/QDID: 83345
- United States/FCC ID: A8TBM64S2
- Canada/ISED
- IC: 12246A-BM64S2
- HVIN: BM64SPKS1MC2
- Europe/CE
- Japan/MIC: 005-101205
- Korea/KCC: MSIP-CRM-mcp-BM64SPKS1MC2
- Taiwan/NCC No: CCAN16LP0280T8
- China/SRRC: CMIIT ID: 2016DJ2356





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Safety First!

- Caution: hot and sharp surfaces! This professional device may only be installed by qualified personnel.
- Check the cardboard box for any damage upon receipt of the goods. In case of a damaged box, please contact your distributor before opening it.
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- Read all documentation before using the unit.
- Keep all documentation for future reference.
- Keep the box and the packaging material even if the equipment has arrived in good condition.
- Should you ever need to ship the appliance, use only the original factory packaging.
- Do not spill water or other liquids in or on the device.
- Always use the power supply provided.
- Make sure that the power outlets correspond to the power requirements indicated on the back of the power supply.
- Do not use the device if the power cord is frayed or broken.
- Turn off and disconnect the devices from the mains before making any connections.
- Do not use the device near heaters, heating grills, radiators or other heat producing devices.
- Do not use the unit on a surface or in an environment that may interfere with the normal flow of air around the unit.
If the unit is used in an extremely dusty or smoky environment, the unit should be "dusted" regularly.
- Do not remove the cover. Removing the cover will expose you to potentially dangerous voltages.
- In case of malfunction, this unit should only be serviced by qualified service personnel.
- Always follow the instructions of the supplier and manufacturer - Only use accessories, spare and replacement parts specified by the manufacturer.
- Only use the device for the purpose intended by the manufacturer.



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DECLARATION OF CONFORMITY

acc. to art. 10.1 EMC directive 89/336/EEC

We, **TVV SOUND PROJECT B.V.**
STEENWEG 148C
9810 NAZARETH
BELGIUM

hereby declare, exclusively to our responsibility, that this product

BLUETOOTH TRANSCEIVER

Serialnrs.: 1- xxx

to which this declaration applies, is in accordance with the following harmonized European norms

EN 50081-1 and EN 50082-1

According to the regulations of the EMC-directive 89/336/EEG, amended by directive 91/263/EEG, 92/31/EEG and 93/68/EEG.

en 60065

According to the regulations of IEC 65: 1985 + A1: 1987 + A2: 1989 + A3: 1992, mod.
Ratification: 1993-07-06

The BM62/BM64C1/BM64C2 module is Radio Equipment Directive (RED) assessed, CE marked, and have been manufactured and tested with the intention of being integrated into a final product.

The BM62/BM64C1/BM64C2 module has been tested to RED 2014/53/EU Essential Requirements mentioned in the following European Compliance table.

TABLE A-1: EUROPEAN COMPLIANCE

CERTIFICATION	STANDARDS	ARTICLE
Safety	EN 62368	3.1 a
Health	EN 62311	3.1 a
Electro Magnetic Compatibility (EMC)	EN 301 489-1	3.1 b
Electro Magnetic Compatibility (EMC)	EN 301 489-17	3.1 b
Radio	EN 300 328	3.2

The ETSI provides guidance on modular devices in "Guide to the application of harmonized standards covering Article 3.1(b) and Article 3.2 of the Directive 2014/53/EU RED to multi-radio and combined radio and non-radio equipment" document available at
http://www.etsi.org/deliver/etsi_eg/203300_203399/203367/01.01.01_60/eg_203367v010101p.pdf



Nazareth, January 16th 2023

Edo Dijkstra, managing director

Stamp:

Signature:



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