

TRN BT20 0.78mm Pin

TRN BT20S/BT20 Bluetooth Earphone Connector User Manual

Model: BT20 0.78mm Pin

Brand: TRN

1. PRODUCT OVERVIEW

The TRN BT20S/BT20 is a Bluetooth 5.0 APTX HIFI earphone connector designed to convert compatible wired in-ear monitors (IEMs) into wireless Bluetooth earphones. It supports both 2-pin and MMCX connector types, making it versatile for a range of IEMs including TRN V90s, BA8, TA1, MT1, BA5, X, ST1, M10, and BT20 Pro models.

This module features a built-in microphone for hands-free communication and offers high-definition audio transmission via aptX/AAC codecs, ensuring a quality listening experience on the go.

TRN

TRN-BT20S

Next Generation Total Wireless Bluetooth Module



Image: The TRN-BT20S module, highlighting its next-generation total wireless Bluetooth capabilities, APT-X Qualcomm QCC3020 chip, and compatibility with 0.75mm, 0.78mm, and MMCX connectors.

2. PACKAGE CONTENTS

Please check the package for the following items:

- TRN BT20S/BT20 Bluetooth Earphone Connector (Left and Right modules)
- User Manual (This document)
- Charging Cable (USB)
- (Optional, depending on variant) Specific connector type (e.g., 0.78mm 2-pin or MMCX)



Image: A pair of TRN BT20S/BT20 Bluetooth earphone connectors, showing their ergonomic design and connection points.

3. SETUP GUIDE

3.1 Charging the Modules

1. Connect the provided USB charging cable to the charging port on each TRN BT20S/BT20 module.
2. Plug the other end of the USB cable into a compatible USB power source (e.g., computer USB port, wall adapter).
3. The indicator light on the module will show charging status (e.g., red for charging, blue/off for fully charged).
4. Allow sufficient time for a full charge before first use.

3.2 Attaching to Earphones

Ensure your earphones are compatible with the 0.78mm 2-pin or MMCX connectors of the TRN BT20S/BT20 module.

1. Identify the left (L) and right (R) modules. They are typically marked.
2. Carefully align the connector pins of the TRN module with the corresponding sockets on your earphone.
3. Gently push the module onto the earphone until it clicks securely into place. Do not force the connection.
4. Repeat for the other earphone.



Image: Rear view of the TRN BT20S/BT20 modules, displaying the Bluetooth V5.0 marking and the charging port, which is crucial for setup.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- **Power On:** Press and hold the multi-function button on each module for approximately 3 seconds until the indicator light flashes blue.
- **Power Off:** Press and hold the multi-function button on each module for approximately 5 seconds until the indicator light flashes red and then turns off.

4.2 Bluetooth Pairing

1. Ensure both TRN BT20S/BT20 modules are powered off.
2. Press and hold the multi-function button on both modules simultaneously for about 5-7 seconds until they enter pairing mode (indicator lights flash red and blue alternately).
3. On your device (smartphone, tablet, computer), enable Bluetooth and search for new devices.
4. Select "TRN BT20S" or "TRN BT20" from the list of available devices.
5. Once paired, the indicator lights on the modules will slowly flash blue.

4.3 Music Playback and Calls

Multi-function Button Operations

Action	Function
Single Press	Play/Pause music; Answer/End call
Double Press (Right module)	Next track
Double Press (Left module)	Previous track
Triple Press	Activate voice assistant (Siri, Google Assistant)
Press and Hold (during call)	Reject incoming call

TRN

Experience Hi-Fi “on-the-go”
aptX/AAC High Definition
Bluetooth Audio



Image: The TRN BT20S/BT20 modules, illustrating their capability to deliver Hi-Fi "on-the-go" aptX/AAC high-definition Bluetooth audio.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe the modules. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the modules in a cool, dry place away from direct sunlight and extreme temperatures.
- **Water Exposure:** The product is not waterproof. Avoid exposure to water, rain, or excessive moisture.
- **Connector Care:** Handle the connectors gently to prevent bending or damage to the pins/sockets.

6. TROUBLESHOOTING

6.1 No Power

- Ensure the modules are fully charged. Connect them to a power source and check the charging indicator.
- Verify the charging cable and power source are functioning correctly.

6.2 Cannot Pair with Device

- Make sure both modules are in pairing mode (flashing red and blue alternately).
- Ensure Bluetooth is enabled on your device and it is within range (typically 10 meters).
- Forget "TRN BT20S" or "TRN BT20" from your device's Bluetooth list and try pairing again.
- Restart both the modules and your device.

6.3 Sound Issues (No Sound, Low Volume, Distortion)

- Check the volume levels on both your device and the connected earphones.
- Ensure the earphones are securely connected to the TRN modules.
- Verify that the audio source is playing correctly.
- Move closer to your device to avoid interference or range issues.

7. SPECIFICATIONS

Feature	Detail
Model	TRN BT20S/BT20
Bluetooth Version	5.0
Audio Codecs	APTX, AAC (High Definition)
Connector Type	2-Pin (0.78mm, 0.75mm), MMCX
Material	Plastic
Microphone	Built-in
Wireless	Yes
Memory Card Support	No
Water Resistance	No
Impedance	16 Ohm
Frequency Response	20 - 20000 Hz

TRN[®]

FPC Bluetooth antenna



Image: An internal diagram illustrating the FPC Bluetooth antenna within the TRN module, indicating its wireless technology.

8. WARRANTY AND SUPPORT

This product comes with a **12-month warranty** from the date of purchase. During this period, if you encounter any quality issues with the product, please contact the seller or manufacturer for support.

Options for warranty claims typically include a full refund or a product replacement, depending on the nature of the issue and seller policy.

For technical support, troubleshooting assistance, or warranty claims, please refer to the contact information provided by your retailer or the official TRN website.

TRN[®]



Hear the music that touches the heart... Clearly!

* Photo for illustration purpose only. Earpieces are sold separately.

Image: A person wearing the TRN Bluetooth earphone modules with connected IEMs, demonstrating the product in use. Note: Earpieces are sold separately.

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This manual is for informational purposes only. Specifications are subject to change without notice.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question