

JLINK™ TRX

Wireless, High-Fidelity Audio Transmitter & Receiver System

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.

Safety Considerations

1. Read the Instructions – All safety and operating instructions should be read before using this product.
2. Retain the Instructions – These instructions should be retained for future reference.
3. Heed Warnings and Instructions – All warnings and instructions should be followed.
4. Water and Moisture - This device should NOT be used near water, such as a bathtub, washbowl, sink, laundry tub, in a wet basement, near a swimming pool, etc.
5. Ventilation – While this device does not require specific ventilation considerations, it should NOT interfere with ventilation of other components.
6. Heat and Flames – This device should be situated away from heat sources such as radiators, heat registers, stoves, fireplaces, or other devices that produce heat.
7. Power Sources – Only used the supplied AC power adaptors to power this product.
8. Power Cord Protection – Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit the device.
9. Cleaning – Clean only with a dry cloth. Unplug power cords from wall outlet before cleaning.
10. Nonuse Periods – The power adaptor cords should be unplugged from the outlet when left unused for long periods of time.
11. Lightning and Power Surges – We recommend that you disconnect the device from the electrical outlet during electrical storms and/or recurring power interruptions.
12. Object or Liquid Entry – Care should be taken so that objects do not fall on and liquids are not spilled onto the device. Do not expose the device to dripping or splashing from liquids. Do not place objects filled with liquids on top of, or near the device, for example: flower vases, beverages, liquid-filled lamps, etc.
13. Overloading – Do not overload wall outlets, extension cords, or outlet strips as this can result in a risk of fire or electrical shock.
14. Servicing - Do not attempt to service the device beyond what is described in the operating instructions. All other servicing should be referred to qualified personnel only.

Introduction

Thank you for purchasing a JLINK TRX wireless audio system. This product has been critically engineered to deliver exceptional performance in your audio system or home theater for many years to come. Please read this manual thoroughly to correctly integrate and achieve the highest level of performance.

What's Included

(1) JLINK TX Transmitter
(1) JLINK RX Receiver
(2) AC Power Adaptors
(1) JLINK Port Connection Cable (3 ft.)
(1) Hook & Loop Fastener Tape
(1) User Manual

Product Overview & Features

The JLINK TRX system uses state-of-the-art wireless technology to send audio signals up to 100 feet away (30 meters). Broadcasting at an ultra-high frequency of 2.4 GHz, the JLINK TRX delivers crystal-clear, stereo sound anywhere throughout your home.

Features include:

- Bit-Perfect PCM Stereo Digital Wireless Technology (16 bit / 48 kHz)
- RCA-type input/output connectors compatible with most audio equipment
- Up to 4 JLINK receivers can be paired to each JLINK transmitter (additional receivers sold separately)
- Up to 3 JLINK transmitters can be used concurrently (3 output channels to choose from)
- JLINK-receiver includes JLINK port for compatible JL Audio products
- Low-Power Sleep mode after 30 minutes of inactivity

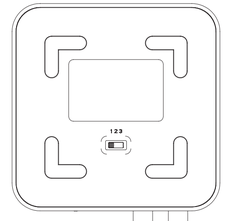
Placement Considerations:

The transmitter and receiver modules may be situated in any position, however their placement should be away from heat generating sources, such as amplifier or receiver heat sinks. Also ensure that each module's placement does not interfere with the ventilation of other components.
Although mounting is not necessary, you may use the supplied hook & loop fastener tape to affix the modules to a flat surface on a cabinet wall, rack or component. If you choose not to mount the modules, make sure they are placed on a flat, stable surface to prevent damage from falling.

Connecting the Transmitter

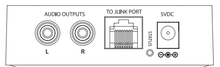
1. Select the source device that you wish to transmit audio signal from and power OFF that device.
2. Connect the JLINK transmitter's RCA line inputs to your source device's RCA line outputs.
3. Plug the smaller end of the AC power adaptor into the transmitter's power jack. Plug the larger end of the AC power adaptor into a standard A/C wall outlet.
4. Using the bottom-mounted switch, select one of three output channels to broadcast your audio signal. **Note: The transmitter and receiver need to be set to the same channel.**





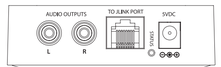
Connecting the Receiver – Option A (when using RCA connections)

1. Select the device that you wish to send the audio signal to and power OFF that device.
2. Connect the JLINK receiver's RCA line outputs to your device's RCA line inputs.
3. Plug one small end of the AC power adaptor into the receiver's power jack. Plug the larger end of the AC power adaptor into a standard A/C wall outlet.
4. Set the receiver's bottom-mounted switch to the same channel as the transmitter.



Connecting the Receiver – Option B (when using JLINK port)

1. Select the JLINK compatible device that you wish to send the audio signal to and power OFF that device.
2. Set the receiver's bottom-mounted switch to the same channel as the transmitter.
3. Plug one end of the supplied cable into the JLINK receiver's JLINK port. Plug the other end of the cable into the JLINK port of the compatible device. The JLINK receiver will transfer its audio signal and receive its power connection directly through this cable. **Note: When connected in this manner, the JLINK receiver's AC power jack and RCA output connections should NOT be used.**



LED Status Indicator

A green LED light is located next to the power jack on the transmitter and receiver to indicate each module's status. Refer to the following tables for its function and meaning.

LED Status - Transmitter		
Action	**LED Function**	**Mode**
When first connected to power	3 rapid blinks, 1 long blink, OFF	Startup
Audio signal detected	ON	Begin RF link
No audio signal detected	OFF	Standby
No audio signal for 30 minutes	OFF	Low Power Sleep*
*Transmitter will reawaken when audio is detected again.		

Note: Plugging RCA cables in to the transmitter without a source connected will cause LED on transmitter and receiver to turn ON.

LED Status - Receiver		
Action	**LED Function**	**Mode**
When first connected to power	3 rapid blinks, OFF	Startup
Audio signal detected	ON	RF link established
With RF link, no audio signal detected	1 flash every 3 seconds	Standby
With RF link, no audio signal for 30 minutes	OFF	Low Power Sleep*
*Receiver will reawaken when audio is detected again.		

Specifications - System	
S/N Ratio	80 dB @ 1 kHz, 500 mV
THD+N	0.02% @ 1 kHz, 500 mV
Crosstalk	>75 dB @ 1 kHz, 500 mV
Frequency Response	16 Hz – 22 kHz (+0, -1dB)
Wireless Range	100 feet / 30 meters (typical)
Wireless Channels	3 available, selectable via switch
Latency	14 mS
Operating Temperature	32 to 104 °F / 0 to 40 °C
AC Power Adaptor	1 A, 5 volts DC

Specifications - Transmitter	
Inputs	Analog, left and right RCA-type
Input Impedance	25 kΩ
Outputs	Bit-Perfect PCM Stereo Digital via 2.4 GHz Wireless
Receivers Supported	Up to 4
Bit Depth/Sample Rate	16 Bit / 48 kHz
Power Requirements	200 mA, 5 volts (via AC adaptor)
Dimensions	3.5 in x 3.5 in x 1.12 in 89 mm x 89 mm x 28.5 mm

Specifications - Receiver	
Inputs	Bit-Perfect PCM Stereo Digital via 2.4 GHz Wireless
Outputs	Analog, left & right RCA-type or Analog via JLINK port to compatible product
Output Impedance	250 Ω
Full Scale Output Voltage	1.2 V
Power Requirements	100 mA, 5 volts (via AC adaptor or JLINK port
Dimensions	3.5 in x 3.5 in x 1.12 in 89 mm x 89 mm x 28.5 mm

Limited Warranty / Service Information

JL AUDIO warrants this product to be free of defects in materials and workmanship for a period of three (3) years from the original date of purchase.

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) or shipping the unit(s) to JL Audio for service. Cosmetic damage due to accident or normal wear and tear is not covered under warranty.

This warranty is not transferable and applies only to the original purchaser of the product from an authorized JL AUDIO dealer. Warranty is voided if the factory-applied product serial number is removed or defaced.

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.

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 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. Return only defective components. 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. Always include proof of purchase (sales receipt).

WARNING: THIS PRODUCT CONTAINS NO USER-SERVICEABLE PARTS. PRODUCT IN WHICH DISASSEMBLY, REPAIR AND/OR MODIFICATION HAS BEEN ATTEMPTED BY UNAUTHORIZED PARTIES WILL NOT BE COVERED UNDER WARRANTY.

For Service Information in the U.S.A. please call:
JL Audio customer service:
(954) 443-1100 during normal business hours (Eastern Time)
JL Audio, Inc • 10369 North Commerce Parkway, Miramar, FL 33025

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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