

User and Installation Guide

iFinity))TM

Multi-Channel Audio Transmitter

Model T800

wireless
multi channel

Amphony[®]

Contents

Unpacking	3
Connecting the transmitter	3
Placing the transmitter	7
Pairing the transmitter and wireless devices	7
Troubleshooting	9
Technical specifications	11
Safety information	12
Limited Warranty	14

Unpacking: Check that this package contains:

One iFinity Digital Audio transmitter - Model T800, one 7.5 V AC adapter (wallwart), four short speaker cables, two audio cables.

Step 1 **Connecting the transmitter**

The transmitter has two stereo audio inputs, one zone-A and one zone-B input. 4 audio channels can be transmitted simultaneously. Both zone-A and zone-B audio inputs can connect either to an unbalanced line-level audio output or a balanced amplified speaker output. For best audio quality, we recommend using the unbalanced line-level audio input.

The transmitter can transmit to iFinity wireless audio receivers such as Model R800 wireless audio receiver and Model 880 wireless amplifier. It is also compatible with iFinity wireless speakers. Note: Zone-B audio channels can only be received by the Model R800 and Model 880 audio receivers.

Connect the transmitter to an unbalanced audio input by using the supplied phone-RCA audio cable. Connect the phone jack with the line level input of the transmitter and the RCA jack with the RCA output of your audio source.

Alternatively, connect the transmitter to an amplified speaker output by using the supplied speaker cables. Be sure to observe the correct polarity of the speaker cable. If one of the speaker cables is switched (reversed), one speaker will receive an opposite polarity signal which will degrade sound performance.

Connect the supplied small AC adapter's barrel-shaped plug into the DC 7.5V jack, and then plug the transformer into a standard AC outlet. We recommend the use of a surge protector to protect the transmitter from power surges.

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 or more of the following measures:

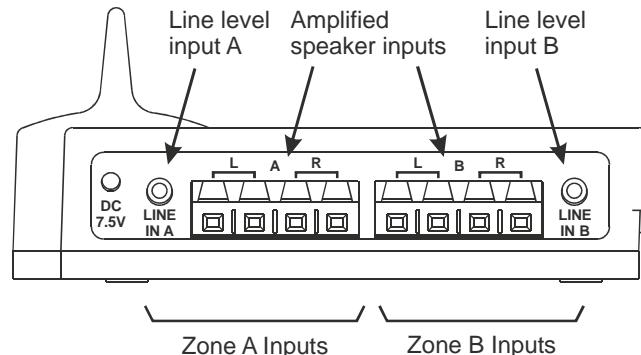
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

LEGAL LIMITATIONS

REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. WE SHALL NOT BE HELD LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY ON THIS EQUIPMENT, NOR FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF, OR INABILITY TO USE, THIS EQUIPMENT. UNDER NO CIRCUMSTANCES SHALL OUR LIABILITY, IF ANY, EXCEED THE PURCHASE PRICE PAID FOR THIS EQUIPMENT, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. EXCEPT AS PROVIDED HEREIN, WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. WE RESERVE THE RIGHT TO REFUSE TO HONOR THIS WARRANTY IF WE DETERMINE ANY OF THE ABOVE EXCEPTIONS TO HAVE CAUSED THIS EQUIPMENT NOT TO HAVE PERFORMED PROPERLY. THIS WARRANTY SHALL BE VOID IF ANY FACTORY-APPLIED IDENTIFICATION MARK, INCLUDING BUT NOT LIMITED TO SERIAL NUMBERS AND WARRANTY LABELS, HAS BEEN ALTERED OR REMOVED. THIS WARRANTY SHALL ALSO BE VOID IF THE TRANSMITTER OR AMPLIFIER HAVE BEEN OPENED BY AN UNAUTHORIZED PERSON.

This warranty gives you specific legal rights which may vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on the duration of an implied warranty, so those limitations may not apply to you.

Note: No responsibility is assumed for the presence of interference outside of Amphony's control, such as other transmitters or cordless phones, which may hamper proper signal reception.

Transmitter audio inputs

Copyright (C) 2016 Amphony. All rights reserved.

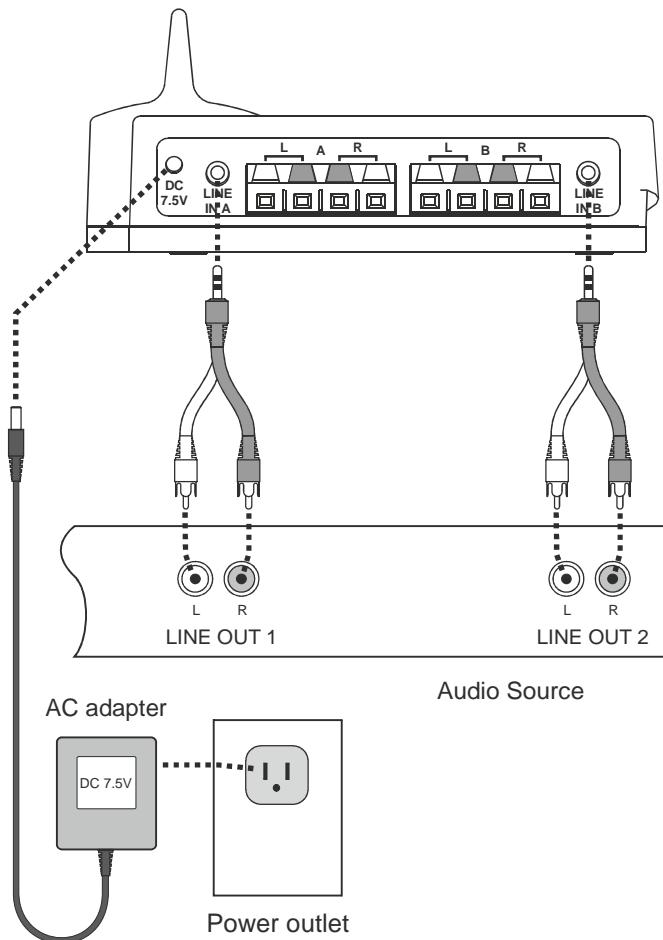
The information contained herein is subject to change without notice. Revisions may be issued to advise of such changes and/or additions.

All product names, trade names, or corporate names mentioned in this document are acknowledged to be the proprietary property of the registered owners.

FCC ID: PMJT800

This device complies with part 15 of the FCC Rules. Operation is subjected to the following two conditions: 1) This device may not cause harmful interference and 2) this device must accept any interference received, including interference that may cause undesired operation.

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

**Example 1:** Using the transmitter line-level audio inputs

Limited warranty

WHAT YOUR WARRANTY COVERS

This warranty extends only to the original user of the equipment ("you", "your") and is limited to the purchase price of each part. Amphony and its affiliated companies ("we", "our", "us") warrant this Multi Channel Audio Transmitter against defects in materials or workmanship as follows.

LABOR: For a period of ninety (90) days from the original date of purchase, if we determine that the equipment is defective subject to the limitations of this warranty, we will replace it at no charge for labor. We warrant any such work done against defects in materials or workmanship for the remaining portion of the original warranty period.

PARTS: For a period of one (1) year from the original date of purchase, we will supply, at no charge, new or rebuilt replacement parts in exchange for parts we determine are defective subject to the limitations of this warranty. We warrant any such replacement parts against defects in materials or workmanship for the remaining portion of the original warranty period.

Note: "Parts" means items included in this package. It does *not* include other parts purchased separately.

WHAT YOUR WARRANTY DOES NOT COVER

This warranty *does not* cover consumer instruction, physical setup or adjustment of any consumer electronic equipment, or signal transmission problems.

This warranty *does not* cover cosmetic damage, damage due to the affixing of any attachment not provided with the product, loss of parts, connecting the product to any but the specified receptacles, lightning, electrical surges, fire, flood, or other acts of God, accident, misuse, abuse, repair or alteration by other than authorized service personnel, negligence, commercial or institutional use, or improper or neglected maintenance.

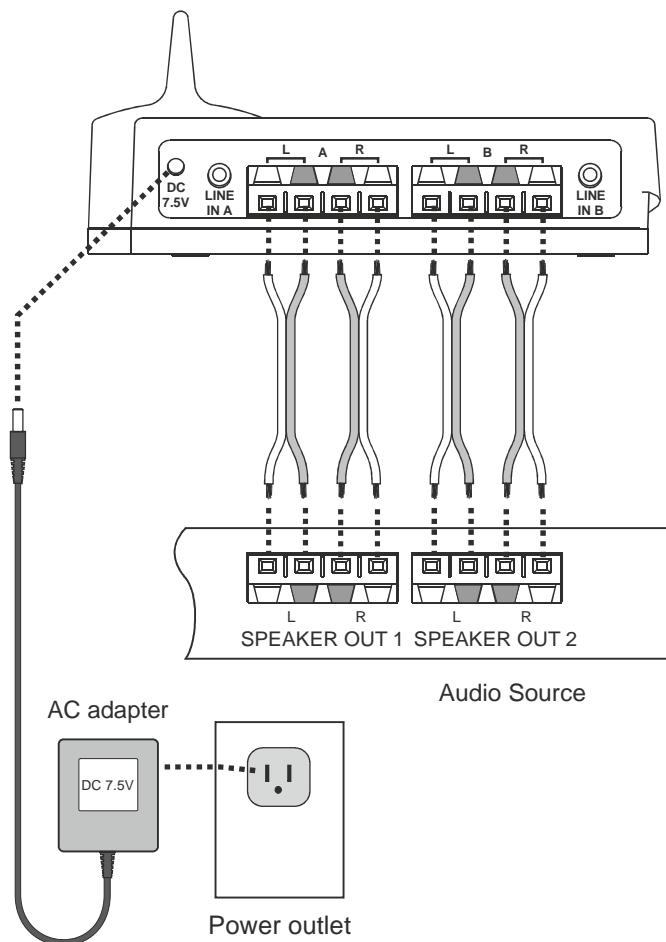
This warranty *does not* cover equipment sold AS IS or WITH ALL FAULTS, equipment removal or reinstallation, shipping damage if the equipment was not packed and shipped in the manner we prescribe, nor equipment purchased, serviced, or operated outside the contiguous United States of America.

CLEANING

- Unplug the product before cleaning.
- When the system gets dirty, wipe it with a clean, soft cloth. If necessary, wipe it with a soft cloth, slightly dampened with soapy water. Wipe dry immediately with a dry cloth.
- Never use benzene, aerosol cleaners, thinner, alcohol or any volatile cleaning agent.
- Do not use abrasive cleaners, as they may damage the finish.

SERVICE

- Do not open the cabinet of any components. Opening the cabinets may present a shock hazard, and any modification to this product will void your warranty.
- Do not attempt to service the unit yourself.
- Please refer any service to an authorized Amphony service center.

**Example 2:** Using the transmitter speaker-level audio inputs

Step 2 Placing the transmitter

Ideally, the transmitter should be placed at an elevation such that there are no obstacles between the transmitter and wireless receivers or amplifiers (line of sight) in an area where there will be the least amount of traffic. We suggest that you place the transmitter on top of your audio source.

Step 3 Pairing the transmitter and wireless devices

In order for the transmitter to transmit to wireless devices (audio receivers, wireless speakers etc.), they need to be paired. To pair the transmitter and a wireless device, push the transmitter pairing button. The network status light will start flashing quickly.

Then push the pairing button of the wireless device within 5 minutes.

You can transmit to up to 4 wireless devices from one transmitter. Pair each wireless device as shown above.

Description of the network status light

Flashing Slowly: No paired wireless device detected

Flashing Quickly: Pairing Mode

Always On: Audio is being streamed

**IMPORTANT SAFETY INFORMATION**

READ THESE SAFETY INSTRUCTIONS CAREFULLY AND HEED ALL WARNINGS IN THIS MANUAL.

POWER SOURCE

To protect against electric shock, fire or personal injury, please observe the following:

- This product has been designed to work with 120-volt AC current using the supplied AC adapters. Connection to a line voltage other than that or use of non-compatible AC adapters may create a safety and fire hazard and may damage the product.
- Do not run power cords under rugs or carpets or place heavy objects on them.
- Damaged or deformed power cords are hazardous and should be replaced immediately by a qualified service technician.

LOCATION

- Do not use this product outdoors or in cars.
- Do not place this product in direct sunlight, or near heat sources.
- Keep this product away from strong magnetic objects.

VOLUME CONTROL

- Do not turn up the volume of the wireless amplifiers which are paired with the transmitter while listening to a portion with very low level input or no audio signal to avoid damage to your speakers during a peak level.
- Turn the amplifier volume control to minimum prior to connecting or disconnecting the transmitter or amplifier and prior to switching audio sources as this may cause loud clicks which can damage your speakers.

CARE

- Do not place any object containing water or other liquids on this product.
- Do not remove the cabinet. Touching parts inside the cabinet could result in electric shock and damage to the product.

NON-USE PERIODS

- When the product is not being used for a long period of time, unplug the product.

Technical Specifications:

Audio transmission: **Digital, bidirectional, adaptive FHSS**

Transmitter frequency: **2410-2478MHz**

Number of wireless audio channels: **4**

Operating range:

- **max. 300 ft line of sight**
- **max. 60 ft through walls and obstacles**

Compatible wireless receivers:

- **Model R800 wireless audio receiver**
- **Model 880 wireless audio amplifier**

Max. number of wireless devices: **4**

Audio inputs:

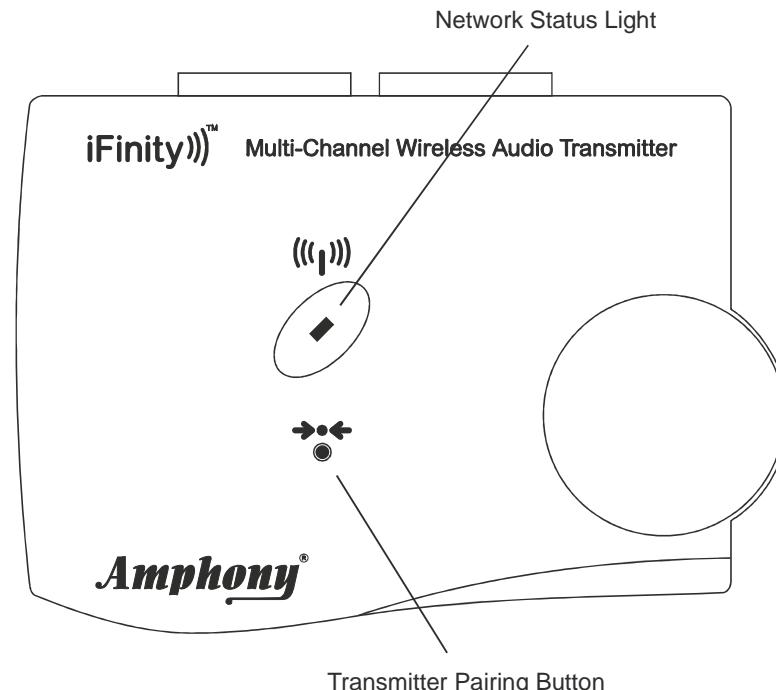
- **4 x speaker-level input**
- **2 x stereo line-level input**

Signal-to-noise ratio: **typ. 91 dB (A-weighted)**

Frequency response: **2 Hz - 20 kHz**

Total harmonic distortion: **typ. -90 dB (0.003%)**

Dimensions: **6.1" x 4.5" x 2.6" (155 mm x 115 mm x 65 mm)**



Troubleshooting

Problem	Possible Cause	Solution
The transmit light does not go on after DC power is applied to the transmitter	Faulty AC adapter or faulty power outlet	Check the power outlet and the AC adapter; if possible, check for correct voltage of the AC adapter.
The transmit light goes out after a few seconds and does not light again	No audio present at audio input	Check the audio connection to the transmitter and ensure that there is audio present.
	Transmitter hung up	Disconnect and then reconnect DC power.
No audio at receiver	Faulty AC adapter or faulty power outlet	Check the receiver power supply.
	Strong interference	See under "Strong Interference" on next page.
Audio is distorted	Audio volume too high	Adjust the transmitter volume control until clipping stops.
	Amplifier volume control set too high	Lower the source audio volume until clipping stops.
	Strong interference	See under "Strong Interference" on next page.
Receiver audio level is too low	Audio volume too low	Raise the source audio volume to achieve the desired audio level. Connect transmitter to an adjustable audio output
	Amplifier volume control set too low	Adjust the amplifier volume control to achieve desired audio level.
Audio drops out intermittently or crackles	Strong interference	See under "Strong Interference" on next page.
	Unstable power supply / power surges	Ensure that the power outlet delivers a stable voltage. Very strong surges or voltage fluctuations may cause audio dropouts. Try using a surge protector.

Problem	Possible Cause	Solution
Transmitter range is extremely short	Strong interference	In some cases, there may be strong interference preventing proper reception of the audio signal which can be caused by 5.8 GHz cordless telephones or 5.8 GHz wireless networks. Either eliminate the interference, locate the base unit of the cordless phone in another room, set the wireless network to use the 5.1 GHz frequency band rather than 5.8 GHz, relocate the transmitter, relocate or reorient the amplifier to improve reception.
	Too many obstacles	Audio will drop out if there are too many obstacles between the transmitter and the receiver, try relocating the transmitter or receiver to improve reception.

For up-to-date troubleshooting advice, visit www.amphony.com