



AB-Tx

Wireless Subwoofer Transmitter

OWNER'S MANUAL

FREQUENCY HOPPING DIGITAL RADIO

BOX CONTENTS



AB-Tx Transmitter



AC Adapter

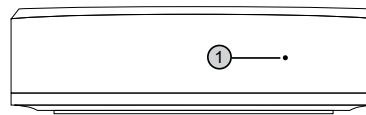


Manual

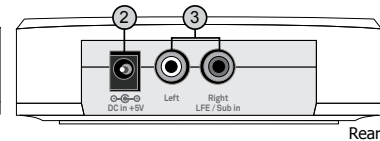
FEATURES

- Dual RCA inputs accept left, right, and LFE signals (in right RCA)
- Compact design for inconspicuous placement
- Universal Input voltage (100-240VAC, 50-60Hz)
- 2.4GHz FSK (Frequency Shift Keying) technology to hop between available channels
- Narrow Bandwidth allows for superior performance in congested wireless environments

GETTING TO KNOW YOUR AB-Tx



Front



Rear

- 1 **Power/Status Indicator** – Off=No power, Steady=On and Linked, Slow flash=No Link, Fast flash=Searching for link
- 2 **Power Input Jack** – 5 VDC input
- 3 **RCA Input** – Left, Right/LFE gold plated input connector
- 4 **Pair Button** – Used to pair wireless transmitter with wireless receiver



Underside

CONNECTION

Connection of the AB-Tx requires a common shielded RCA type coaxial cable or a shielded two-conductor wire with RCA type connectors. No signal connection cable is provided with the AB-Tx since the length of cable is installation specific. Refer to the image on the reverse side of this manual as a reference.

PRECAUTIONS

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- **WARNING:** To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
- To completely disconnect this equipment from the mains, disconnect the power supply cord plug from the receptacle.
- The mains plug of the power supply cord shall remain readily operable.

WARNING

The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

YOUR AB-Tx TRANSMITTER

The Air-Bus AB-Tx wireless transmitter is designed to be compatible with select Air-Bus products. The transmitter provides a wireless link between the audio source and the wireless receiver/subwoofer. The link that is established is locked so that, even if power is lost, the link will always re-establish itself after power is restored.

The transmitter utilizes FSK (Frequency Shift Keying) technology to hop between available channels to ensure a reliable audio link. Additionally, the AB-Tx operates on a single narrow channel that minimizes bandwidth consumption, thereby allowing it to operate in congested wireless environments where others won't.

YOUR AB-Tx TRANSMITTER

AC Power: The unit is shipped with a Universal-Voltage AC adapter. Remove this adapter from its packaging and insert the connector into the jack on the back of the transmitter. It is best to connect power only after all other connections are made. Plug the AC adapter into an AC wall receptacle or similar.

Placement of Wireless Transmitter: Wireless transmitters operate best when placed away from other wireless devices such as routers and other wireless transmitters, and when they have minimal obstructions to impede the signal path.

Wireless Pairing Instructions

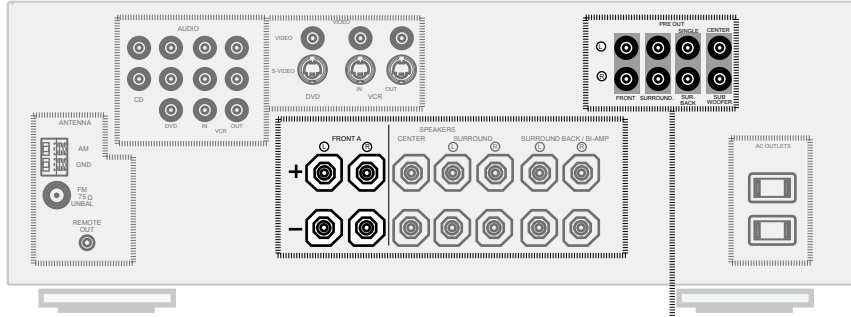
1. Turn on the subwoofer and transmitter.
2. Press & hold down the transmitter PAIR button until the transmitter LED flashes quickly.
3. Within 30 seconds, press & hold the subwoofer PAIR button until the PAIR LED flashes quickly.
4. Within seconds, both LED's will stop flashing, becoming steady.
5. Wireless link is complete.

Note: Only one receiver/subwoofer can be paired to a transmitter. If two receiver/subwoofers are used wirelessly, each device must have its own wireless transmitter.

SPECIFICATIONS

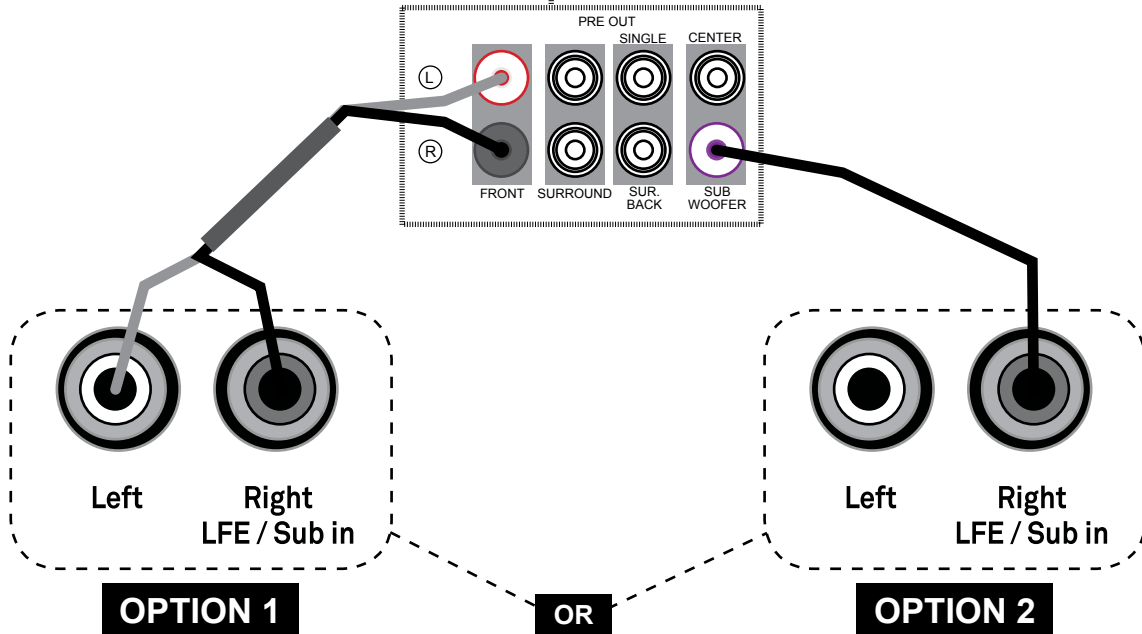
- **Frequency Response:**..... 20Hz – 1kHz
- **RF Transmission:** Frequency Hopping, FSK Digital Radio (Frequency Shift Keying)
- **RF Operating Frequency:**..... 2405MHz – 2477MHz
- **Channel Bandwidth:** 2MHz
- **Transmitter Power:**..... 0dBm
- **Maximum Operating Range:**..... Approximately 50ft (15m)
- **Latency:** Less than 13mS
- **Inputs:** RCA Left & Right, (LFE Shared with Right Input Connector)
- **Input Impedance:**..... Line Level – 20k ohms, Unbalanced
- **AC Adapter:**..... 100V – 240V 50-60Hz AC
- **Input Power Connection:** 5.5mm x 2.2mm Power Connector
- **Dimensions:** 4.55" W x 1.25" H x 4" D, (115W x 32H x 103D)mm
- **Weight w/AC Adapter:** 0.45lbs (200g)
- **Shipping Dimensions:** 8.9" W x 2.25" H x 5" D, (225W x 57H x 128D)mm
- **Shipping Weight:** 0.7lbs (0.3kg)

CONNECTION (image)



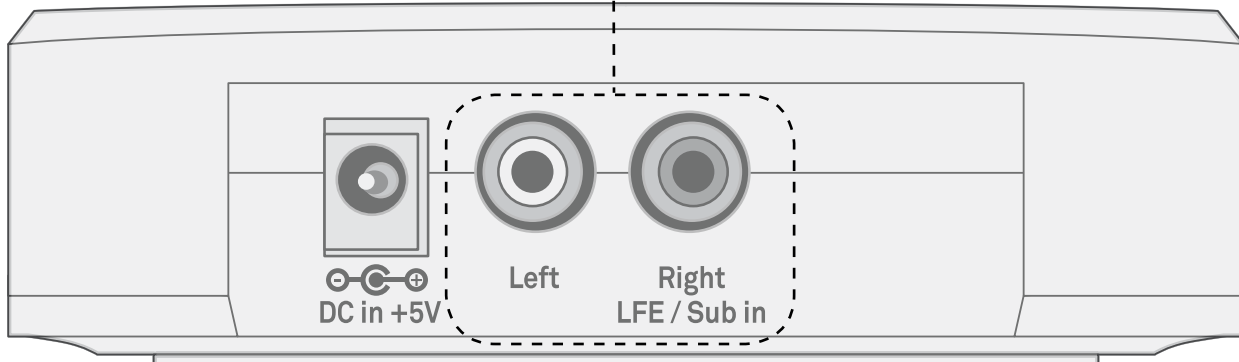
WIRELESS PAIRING INSTRUCTIONS

1. Turn on subwoofer and transmitter.
2. Press & hold down transmitter PAIR button until the transmitter LED flashes quickly.
3. Within 30 seconds, press & hold subwoofer PAIR button until PAIR LED flashes quickly.
4. Within seconds, both LED's will stop flashing, becoming steady. Wireless link is complete.



- If an LFE (Low Frequency Effect) or Subwoofer output is available then use Option 2.
- If no LFE output is available and a line level Front Channel Output or Pre-amplifier Output is available, then this (Option 1) is the preferred method of connection.
 - Per OPTION 1, connect the left and right line level front channel outputs of your receiver or pre-amplifier / processor to the Left/Right Sub inputs of the AB-Tx.

- If the amplifier is to be connected to a modern home theater receiver or processor with an available LFE or Subwoofer output then this option will likely produce the best results. If no LFE or Subwoofer output is available but a line level Front Channel Output or Pre-amplifier Output is available, then use Option 1.
 - Per OPTION 2, connect the line level LFE or Subwoofer output of your receiver or pre-amplifier/processor to the Right/LFE Sub input of the AB-Tx.



AB-Tx - Wireless Setup