Thank you for your purchase of the Home TX Pro (MHTXP-04). Please read the operation instructions carefully before use.

Quick Start Guide:

1. **Attach the antenna:** on the back of the Home TX Pro, remove the red rubber connector cover and attach the supplied antenna to the antenna terminal (turn clockwise until slightly snug). Optimize antenna performance by positioning the antenna upright.
2. **Connecting to the Home TX Pro:** *Before powering on*, set the audio source slider switch on the back right of the Home TX Pro to either digital (left) or analog (right). Connect the appropriate included cable (Optical, or RCA to 3.5mm) to the appropriate audio input (3.5mm, RCA, or Optical) on the back the Home TX Pro.
3. **Power on/off:** The Home TX Pro can be operated using any USB port or 5v/500mA USB power supply. Connect to USB power and hold the Multi-function/power button for 3.5 seconds to power on. To power off, hold the Multi-function/ power button for 3.5 seconds.
4. **Paring:** Place your Bluetooth® receiving device into pairing mode; follow the manufacturer specific instructions. Then Press and hold the Home TX Pro's multi-function/power button for 8.5 seconds until the indicator light changes from slow flashing red to fast flashing red and blue. When pairing is successful, the far left indicator will turn solid blue.
5. **Dual-Link Pairing:** Dual-link pairing allows for two Bluetooth® receiving devices to pair with the Home TX Pro at a time. Once you've paired your first set of headphones to the Home TX Pro (step 4 above), power down both the Home TX Pro and your headphones. Follow the pairing instructions in step 4 above to pair the second set of headphones. Once the second set of headphones is paired to the Home TX Pro, the far LEFT blue indicator light will turn solid blue. Turn on the first pair of headphones and they will automatically reconnect to the Home TX Pro, and the far RIGHT indicator will turn solid blue.

FCC Information

This device complies with Part 15 of the FCC rules. Operation is subject 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.

Federal Communications Commission (FCC) Statement:

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.

Warning:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment. Tested to comply with FCC standard: FOR HOME OR OFFICE USE. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna(s) must not be co-located or in conjunction with any other antenna or transmitter.

Care and maintenance

Please read the following recommendations before using your Home TX Pro:

- To keep from damaging the Home TX Pro internal circuit, avoid exposure to liquid, moisture and humidity.
- Extreme temperatures can shorten the life of electronic devices.
- Don't use abrasive cleaning solvents to clean the Miccus® Home TX Pro.
- Do not dispose of the Home TX Pro in fire as it will result in an explosion.
- Avoid contact with sharp objects. They may scratch or damage the Home TX Pro.
- Do not drop: dropping the Home TX Pro can damage the internal circuit.

Specifications

- Bluetooth v4.2
- Supports the A2DP Bluetooth® profile
- Audio Codec Support: SBC, aptX, aptX Low Latency
- Operating Range: Up to 150ft (50 meters) line of sight
- Operating Frequency: 2.402 GHz to 2.480 GHz
- USB Power: DC 5V @ 500mA or higher
- Size: 3" x 5 ½" x 1" Weight: 5 oz

Note

- When the standard Dual-Link Pairing procedure won't connect more than one device, follow step 4 to pair both receiving devices individually then power down the Home TX Pro and your second device. Next, power on both receiving devices (headphones, speakers, etc.) then place the Home TX Pro into pairing mode again. When devices are paired both the far left and far right blue indicator lights will turn solid blue.
- To initiate Dual-link audio streaming to both devices, sometimes it may require you to quickly press the Home TX Pro power button or the second device's play/pause/power button.
- When Dual-link paired with two receiving devices, the Miccus® Home TX Pro will default to streaming with the SBC codec to both devices.

STATUS	LED (Indicator Light)
Standby Mode/Not Connected/Powered On	flashing red
Pairing Mode	alternate flashing red and blue
Paired (Single Link)	Left (CH1) solid blue
Paired (Dual Link)	both left (CH1) and right (CH2) solid blue
Analog (Audio Source)	Solid White
Digital (Audio Source)	Solid White
Powered Off	no lights

For detailed instructions and troubleshooting please continue reading the Home TX Pro user manual or visit www.miccus.com for how-to videos.

About the Home TX Pro

The Home TX Pro is a long range wireless stereo transmitter featuring Bluetooth® 4.2 and the aptX Low Latency codec. Use it to add wireless streaming technology to your existing television or stereo equipment, or use it in place of your current transmitting device to extend your wireless range. The Miccus® Home TX Pro supports Dual-link Pairing which allows two Bluetooth® receiving devices to be paired with it simultaneously.

What's in the Box?

- Home TX Pro
- RCA to 3.5mm audio cable
- RCA to RCA audio cable
- Toslink audio cable
- Micro USB charging cable
- USB power supply
- Antenna
- User Manual

Getting Aquainted

① Antenna
② CH1 Indicator (blue)
③ Digital mode indicator (white)
④ Blue Pairing Indicator
⑤ Red Pairing Indicator
⑥ Analog mode indicator (white)
⑦ CH2 indicator (blue)
⑧ Multi-function/power button

⑨ 3.5mm audio input
⑩ RCA audio input left/right
⑪ Antenna Connector
⑫ SPDIF audio input
⑬ Optical audio input (TOSLINK)
⑭ Micro-USB power input
⑮ Digital/Analog audio source selector

Static or noise in the audio	1. Make sure to use the supplied USB adapter as PC USB ports can introduce noise. 2. Move the Home TX Pro away from any amplifiers or powered speakers. 3. Make sure the Home TX Pro is cabled to the correct line level output on your stereo receiver.
Can't pair my device with the Home TX Pro	1. Make sure the Home TX Pro and the device you're pairing with are right next to each other. 2. Make sure all other Bluetooth® compatible receiving devices you're NOT trying to pair with are either powered off or Bluetooth® disabled. 3. Make sure both devices are in pairing mode. LED equipped devices will typically flash fast when in pairing mode and flash slow when connected. 4. Make sure your device is compatible with the wireless A2DP Bluetooth® stereo audio profile.
Can't dual link pair my devices to the Miccus® Home TX Pro	1. When the standard Dual-Link Pairing procedure won't connect more than one device, follow standard pairing steps 1-3 to pair both receiving devices individually then power down the Home TX Pro and your second device. Next, power on both receiving devices then place the Miccus® Home TX Pro into pairing mode again. Wait for both devices to connect. Both the far left and far right blue indicator lights will turn solid blue.

Factory Reset

To **reset** pairing memory, With the Home TX Pro powered off, press and hold the multi-function/power button for 18 seconds, then release the multi-function/power button and power off the Miccus® Home TX Pro. The Device has been reset.

Note: After a factory reset, the internal Bluetooth® pairing memory will be deleted. You may need to re-pair any previously paired devices in order for the Home TX Pro to remember them again

FAQ and Troubleshooting

Problem	Solution
Miccus® Home TX Pro does not turn on.	1. Check the USB power connection. 2. Make sure you press and hold the power button for at least 3.5seconds.
Audio breaks up or wireless range is too low.	1. Make sure the antenna is attached securely and positioned correctly. 2. Move the Home TX Pro away from other 2.4Ghz equipment such as Wi-Fi routers and micro-waves.
No sound/audio output	1. Check the cables to make sure they are connected to the correct jacks. 2. Press play on your music source. 3. Check to make sure your volume is set to a listenable level.
Can't control volume	1. By design the Home TX Pro is a passive transmitter and has no volume control. User volume level must be adjusted via the input and/or output sources connected to the Miccus® Home TX Pro.

System Requirements

The Home TX Pro transmits high quality stereo audio to any compatible A2DP Bluetooth® profile wireless *Receiving* device. Compatible devices include Bluetooth® enabled headphones/ speakers or Bluetooth® adapters like the Miccus® Home RTX, Home RTX Mini, Mini-jack AX4, Mini-jack RTX, or the SR-71 Stealth Headphones.

Bluetooth Codec Support: The Home TX Pro provides support for three common Bluetooth® codecs: SBC, aptX, aptX Low Latency. In order to pair using a given codec, both the Miccus® Home TX Pro and the paired receiving device must support the codec. All Bluetooth® audio devices commonly support the SBC codec. Unless device specific documentation indicates otherwise, it is likely the Miccus® Home TX Pro will pair with your receiving device using the SBC codec.

Note:

- The Home TX Pro will use the aptX Low Latency codec only when paired with a receiving device that also supports aptX Low Latency.
- If Television or video audio is your primary use, then it is recommended to purchase the SR-71 Stealth Headphones or other A2DP compatible Bluetooth® headphones/speakers that support the aptX Low Latency codec. The aptX Low Latency codec is only operable when using one aptX Low Latency compatible receiving device at a time. With dual-link pairing enabled the aptX Low Latency codec is non-functional.

Other End Bluetooth Device Supported Codec	The audio lag will be around
aptX low latency	38ms ± 5ms
aptX	70ms ± 10ms
SBC	220ms ± 50ms

Detailed Instructions for Use

Power on/off

The Home TX Pro supports mini USB power. Connect one end of the included USB power cable to the Home TX Pro USB jack; connect the other end to a compatible USB power supply unit (5V/500mA), computer, or television USB port. Any USB charger that is rated at an output of 5V@500mA or higher is compatible and may be used with the Home TX Pro.

Connecting Cables

The Home TX Pro ships with the following audio cables:

a) 3.5mm (mini-plug) male to RCA (red and white) male

b) Toslink digital optical cable

c) RCA to RCA audio cable

- The Home TX Pro requires an audio input source like a computer, tablet, smartphone, television or stereo system, etc. that can offer the Home TX Pro an audio signal/music to transmit. The cable being used must be connected to the appropriate input: either 3.5mm to the “Line In”, or toslink to the “Optical In”. Use the included cable that is best for your application.

Note: The included USB cable with ferrite core is for USB power only and does not offer an audio or data type connection. For optimal performance, always use the provided USB cable with your Home TX Pro. Since the Home TX Pro is a long range transmitter it may be susceptible to RF interference; the USB cable with ferrite core can help reduce potential interference during operation.

Pairing

Note: The Home TX Pro and your Bluetooth® device should be no more than one meter apart when pairing (the closer the better until paired).

1. Power on your headphones, speaker or other compatible A2DP Bluetooth® profile device and engage pairing mode.
2. Place the Home TX Pro into pairing mode: press and hold the power button (8.5 seconds) until the Miccus® Home TX Pro powers on and the indicator light goes from slow flashing red to fast flashing red and blue.
3. When pairing is complete the Home TX Pro far LEFT indicator will light a solid blue; single link pairing has been established.
4. Dual-link pairing allows for two Bluetooth® receiving devices to pair with the Home TX Pro at a time. Once you’ve paired your first set of headphones to the Home TX Pro (steps 1-3 above), power down both the Home TX Pro and your headphones. Repeat steps 1-3 to pair your second set of headphones. Once the second set of headphones is paired to the Home TX Pro, the far LEFT indicator will turn solid blue. Turn on the first pair of headphones and they will automatically reconnect to the Home TX Pro. The far RIGHT indicator will turn solid blue. When both pairing indicators are lit solid blue, Dual-link pairing has been established. With dual-link enabled the aptX Low Latency codec is not functional.

Note: Leave the Home TX Pro continuously connected to USB power, and powered on to automatically reconnect when the last paired device is within range. If powered off or disconnected from USB power, the Home TX Pro should automatically reconnect with the last paired receiving device when both devices are powered on and within range.

To begin streaming audio simply press the play button on your audio source and adjust volume to taste.