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HomeSpot HS-BTADP-258LR-BUN158LR-UL

# HomeSpot Long Range Bluetooth Transmitter Receiver Set User Manual

Model: HS-BTADP-258LR-BUN158LR-UL

## 1. PRODUCT OVERVIEW

The HomeSpot Long Range Bluetooth Transmitter Receiver Set is designed to provide high-quality wireless audio streaming with minimal latency. This set includes a Bluetooth Transmitter and a Bluetooth Receiver, pre-paired for immediate use. It allows you to transmit audio from non-Bluetooth devices to Bluetooth-enabled headphones or speakers, or receive Bluetooth audio on non-Bluetooth audio systems.

Key features include:

- **164 FT Long Range Wireless Audio Streaming:** High-gain external antennas ensure stable signal over long distances.
- **aptX Low Latency:** Eliminates audio delay for synchronized sound with video.
- **Multiple Audio Inputs/Outputs:** Supports Optical (TOSLINK), RCA, 3.5mm AUX, and Coaxial connections.
- **Pre-Paired for Easy Setup:** Ready to use right out of the box.

## 2. PACKAGE CONTENTS

Upon opening your HomeSpot Long Range Bluetooth Transmitter Receiver Set, please verify that all items listed below are present and in good condition:



Bluetooth Transmitter

Bluetooth Receiver



User Guide



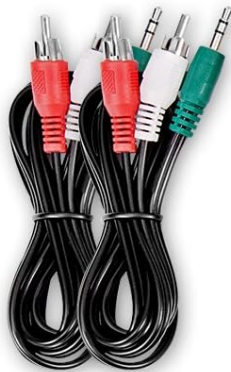
Warranty Card



Packaging



TOSLINK Optical Cable



3.5mm to RCA Cable



3.5mm to 3.5mm  
Aux Cable



micro USB  
Charging Cable



USB Power Adapter

Image: Contents of the HomeSpot Bluetooth Transmitter Receiver Set package. It includes the Bluetooth Transmitter, Bluetooth Receiver, User Guide, Warranty Card, TOSLINK Optical Cable, 3.5mm to RCA Cable, 3.5mm to 3.5mm Aux Cable, micro USB Charging Cables, and USB Power Adapters.

- 1 x Long Range Bluetooth Transmitter
- 1 x Long Range Bluetooth Receiver
- 2 x 3.5mm Aux Cable
- 2 x Micro USB Cable
- 2 x RCA Cable
- 2 x Optical TOSLINK Cable
- 2 x USB Wall Charger
- 1 x User Manual
- 1 x Warranty Card

### 3. SETUP INSTRUCTIONS

The HomeSpot Transmitter and Receiver are pre-paired for your convenience. Follow these steps to connect your

devices:



Image: A diagram illustrating the connection setup. The Bluetooth Transmitter connects to a TV (audio source) and wirelessly sends audio to the Bluetooth Receiver, which then connects to non-Bluetooth enabled headphones or speakers.

### 1. Connect the Transmitter:

- Identify the audio output port on your source device (e.g., TV, PC, game console). This can be Optical (TOSLINK), RCA, or 3.5mm AUX.
- Using the appropriate cable provided, connect the audio output of your source device to the corresponding input port on the HomeSpot Bluetooth Transmitter.
- Connect the micro USB cable to the Transmitter's power input and plug the other end into a USB power adapter (provided) or a USB port on your source device (e.g., TV USB port).

### 2. Connect the Receiver:

- Identify the audio input port on your audio system (e.g., speakers, headphones, amplifier). This can be Optical (TOSLINK), RCA, or 3.5mm AUX.

- Using the appropriate cable provided, connect the audio output of the HomeSpot Bluetooth Receiver to the corresponding input port on your audio system.
- Connect the micro USB cable to the Receiver's power input and plug the other end into a USB power adapter (provided) or any available USB power source.

3. **Power On:** Ensure both the Transmitter and Receiver are powered on. Since they are pre-paired, they should automatically connect. The indicator lights on both units will confirm connection status.

For optimal audio synchronization, especially with video, it is recommended to use the Optical (TOSLINK) connection if available on your source device.

## 4. OPERATING INSTRUCTIONS

Once connected and powered on, the HomeSpot Bluetooth Transmitter Receiver Set operates automatically to provide wireless audio.



Image: The HomeSpot Bluetooth Transmitter is discreetly placed near a television, wirelessly transmitting audio to a large speaker system,

demonstrating a typical indoor setup.

## Total aptX Low Latency Solution

HomeSpot Bluetooth Transmitter and Bluetooth Receiver with aptX Low Latency effectively enables absolute no lip sync issue. Now you can watch video while listening to wireless audio in a synchronised fashion.



Image: An outdoor scene depicting a movie night with a projector and screen. The HomeSpot Bluetooth system facilitates wireless audio for an immersive experience, highlighting its long-range capability for outdoor use.

### 4.1. Audio Synchronization with aptX Low Latency

The set utilizes aptX Low Latency technology to minimize audio delay, ensuring that sound is synchronized with video content. This is crucial for watching movies, TV shows, or playing games without noticeable lip-sync issues.

# HomeSpot Bluetooth Transmitter Test Result of Latency

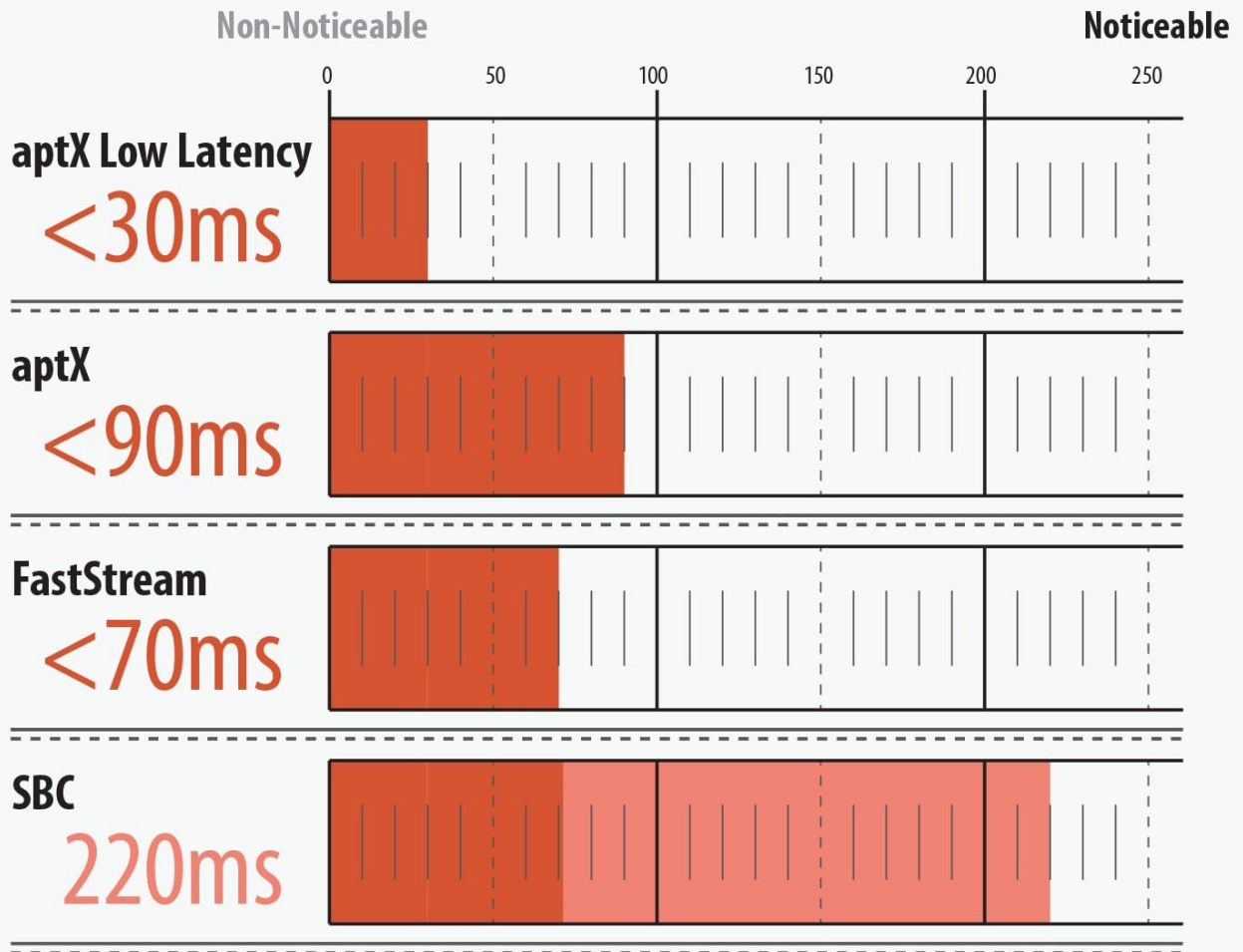


Image: A bar chart illustrating the latency performance of various Bluetooth audio codecs. aptX Low Latency shows a latency of less than 30ms, significantly lower than standard SBC (220ms), aptX (less than 90ms), and FastStream (less than 70ms), indicating superior audio-video synchronization.

## 4.2. Range Performance

Equipped with high-gain external antennas, the HomeSpot set offers an extended wireless range of up to 164 feet (50 meters). This allows for flexible placement of your audio source and receiving devices, covering large indoor spaces or extending to outdoor areas like backyards or patios.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your HomeSpot Bluetooth Transmitter Receiver Set, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the surfaces of the units. Avoid using liquid cleaners or abrasive materials, as they may damage the finish or internal components.
- **Storage:** When not in use for extended periods, store the devices in a cool, dry place away from direct sunlight and

extreme temperatures.

- **Cable Care:** Handle all cables gently. Avoid sharp bends or kinks that could damage the internal wiring.
- **Ventilation:** Ensure the units are placed in a location with adequate airflow to prevent overheating. Do not cover the ventilation openings.

## 6. TROUBLESHOOTING

If you encounter issues with your HomeSpot Bluetooth Transmitter Receiver Set, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No audio or intermittent sound.	Loose cable connections, incorrect input/output selection, power issue.	Ensure all cables (audio and power) are securely connected. Verify that the correct audio input/output is selected on both the source device and the receiving audio system. Check power indicators on both units.
Noticeable audio delay (lip-sync issues).	Using analog connections (RCA/AUX) or non-aptX LL compatible devices.	For best performance, use the Optical (TOSLINK) connection if available. Ensure both the transmitter and receiver are functioning correctly with aptX Low Latency. Some older TVs may introduce slight delays even with optical.
Static or distorted audio.	Interference, weak signal, or temporary software glitch.	Move the units closer together or away from other wireless devices that may cause interference. Power cycle both the Transmitter and Receiver by unplugging and re-plugging them after a few seconds.
Units not pairing automatically.	Out of range during initial connection, or pairing reset.	Place the Transmitter and Receiver in close proximity (within 1-2 meters) and power cycle both units. They should re-pair automatically. If issues persist, consult the detailed pairing instructions in the included User Manual.
Humming or signal noise when no audio is playing.	Ground loop interference or sensitive audio equipment.	If possible, connect both the source and receiving audio equipment to the same power outlet. If the hum persists, consider disconnecting the units when not in active use.
Only stereo audio, no surround sound.	Product designed for stereo audio transmission.	This product is designed for stereo audio transmission and does not support multi-channel surround sound formats (e.g., 5.1, 7.1). Ensure your source device's audio output is set to stereo.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	HS-BTADP-258LR-BUN158LR-UL
Brand	HomeSpot
Connectivity Technology	Bluetooth, Auxiliary, USB
Special Feature	Long Range and aptX Low Latency Technology

Feature	Specification
Compatible Devices	Personal Computer, Speaker, TV, Headphones
Connector Type	3.5mm Jack, RCA, USB, Optical (TOSLINK)
Audio Output Mode	Stereo
Number of Channels	2 (Stereo)
Item Weight	14.9 ounces (approx. 422g)
Package Dimensions	6.1 x 4.92 x 2.99 inches
First Available Date	February 14, 2018

## 8. WARRANTY AND SUPPORT

HomeSpot products are designed for reliability and performance. This product comes with a Warranty Card included in the package. Please refer to the Warranty Card for specific terms and conditions of your product's warranty.

For further assistance, technical support, or warranty claims, please visit the official HomeSpot website or contact their customer service:

- **Official Website:** [www.homespotdigital.com](http://www.homespotdigital.com)
- **HomeSpot Store on Amazon:** [Visit HomeSpot Store](#)

HomeSpot is committed to providing quality products and customer satisfaction. Do not attempt to repair the device yourself, as this may void your warranty.