

QSD-3PRO TX+

Silent Disco Bluetooth Transmitter

Balanced stereo XLR/Combi inputs | 863-865 MHz



MODEL	SYSTEM
QSD-3PRO TX+	Q-Silent Disco

Read this manual before operating or charging the transmitter.
Retain it for future reference.

Important Safety Information



Use the correct regional channels

This UK model operates in the licence-free 863-865 MHz CH70 band. Do not modify the transmitter or attempt to operate it on frequencies outside those provided.

General use

- Keep the transmitter dry and protect it from rain, splashes and excessive humidity.
- Do not place it near heat sources, amplifiers, lighting equipment, naked flames or direct sunlight.
- Do not dismantle, modify or continue using the unit if the casing, battery, antennas or connectors appear damaged.
- Install and remove antennas by holding the connector, not by twisting the antenna body.

Power and connections

- Use the supplied 5 V USB power adaptor and USB-C cable, or an approved equivalent with the same output rating.
- Use the rear POWER IN USB-C socket for charging and power. The front SERVICE socket is not a charging input.
- Stop using the product if the battery swells, leaks, overheats or produces an unusual smell.
- Set connected headphones to a low volume before starting audio, then increase gradually.

Product Overview

The Q-Audio QSD-3PRO TX+ is a three-channel stereo UHF transmitter for the QSD-3PRO silent disco system. It accepts audio by Bluetooth or through balanced left and right XLR/6.35 mm combo inputs. A separate 3.5 mm microphone input allows announcements to be mixed with the programme audio.

One transmitter can serve an unlimited number of compatible headphones. Up to three transmitters may be used together, provided each transmitter is set to a different channel.

Package Contents



- 1 x QSD-3PRO TX+ transmitter
- 1 x RF antenna
- 1 x Bluetooth antenna
- 1 x 5 V USB power adaptor
- 1 x USB-C charging cable
- 1 x stereo RCA to RCA cable
- 1 x 3.5 mm stereo jack to RCA cable
- 2 x RCA to 6.35 mm jack adapters
- 1 x zipped carry case

Controls and Connections

Front Panel



Control	Function
1 BT Power	Enables or disables Bluetooth audio mode. Press and hold to enter Bluetooth mode and make the transmitter available for pairing.
2 Status indicator	Shows charging, wired-input, Bluetooth pairing and Bluetooth connection status.
3 BT Pairing / Unpair	Disconnects the current Bluetooth device and returns the transmitter to pairing mode.
4 Service USB-C	For servicing and firmware updates only. Do not use this socket to charge or power the transmitter.
5 LCD display	Shows the remaining battery percentage briefly at start-up, then the selected channel. A small dot indicates Bluetooth audio mode.
6 OFF / LO / HI	Switches the transmitter off, or selects Low or High RF output power.
7 CH- / CH+	Selects the transmitting channel. Each simultaneous transmitter must use a different channel.
! Front service socket	The front USB-C socket is not connected as a normal charging input. Charging through the wrong socket may prevent operation or damage connected equipment.

Rear Panel



Connection	Function
8 Power In, USB-C	Connect the supplied 5 V power adaptor and USB-C cable here to power the transmitter and charge its internal battery.
9 Microphone input	3.5 mm input for a compatible wired microphone. The microphone signal is mixed with the programme audio.
10 Left / Right line inputs	Balanced stereo combo inputs. Connect XLR or 6.35 mm jack outputs from a mixer, controller or other line-level source.
11 Bluetooth antenna	Attach the short Bluetooth antenna before using Bluetooth audio.
12 RF antenna	Attach the long RF antenna before transmitting to QSD-3PRO headphones.

Display and Indicator States

State	Indicator / display	Meaning
Charging	Green indicator	Battery is charging.
Fully charged	Indicator off	Charging is complete.
Wired input	Red indicator	Balanced line-input mode is active.
Bluetooth pairing	Red/blue alternating	The transmitter is available for pairing.
Bluetooth connected	Blue flash about every 5 seconds	A Bluetooth source is connected.
Bluetooth mode	Small dot on display	Bluetooth input is selected.

Setup and Charging

1	<p>Charge the transmitter</p> <p>Connect the supplied USB-C cable to the rear POWER IN socket and the 5 V adaptor. The indicator illuminates green while charging and switches off when charging is complete.</p>
2	<p>Attach both antennas</p> <p>Connect the short Bluetooth antenna to BT ANT and the long RF antenna to RF ANT. Tighten each connector by hand only.</p>
3	<p>Connect the audio source</p> <p>Use Bluetooth, or connect the source to both balanced L and R combo inputs. Connect a microphone to MIC INPUT only when announcements are required.</p>
4	<p>Select an RF power level</p> <p>Move the front switch to LO for shorter range and extended battery runtime, or HI for maximum coverage. Place the transmitter in a clear, elevated position.</p>
5	<p>Select a channel</p> <p>Use CH- or CH+ and set every receiving headphone to the same channel. When using multiple transmitters, assign a different channel to each one.</p>
6	<p>Check the audio</p> <p>Start the source at a low level. Listen through a QSD-3PRO headphone and increase the source level gradually until the sound is clear and free from distortion.</p>

Channel Guide

Channel	Frequency	Headphone colour
CH1	863.1 MHz	Blue
CH2	863.8 MHz	Red
CH3	864.9 MHz	Green

A maximum of three transmitters may operate together, one on each available channel. There is no pairing limit for the number of QSD-3PRO headphones receiving each channel.

i	<p>Range</p> <p>In unobstructed open space, typical range is more than 300 m in High power mode and more than 150 m in Low power mode. Walls, people, metalwork and local radio interference will reduce the usable range.</p>
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Bluetooth Operation

1 Prepare the transmitter

Attach both antennas, charge or connect the transmitter to power, then select LO or HI.

2 Enable Bluetooth mode

Press and hold BT Power until the small dot appears at the lower-right of the channel display. The indicator begins flashing red and blue.

3 Open the source settings

Enable Bluetooth on the phone, tablet or computer. Keep it within approximately 1 m of the transmitter during pairing.

4 Select the transmitter

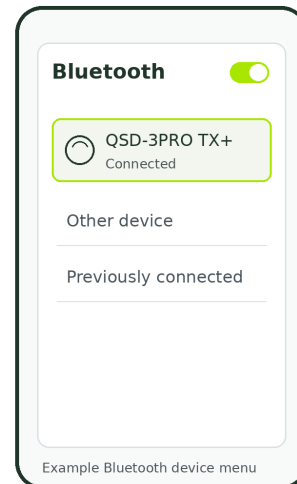
Choose the transmitter from the available Bluetooth device list.

5 Confirm connection

When pairing is complete, the display dot remains visible and the blue indicator flashes slowly, approximately once every five seconds.

6 Start audio

Play the source, set the headphones to the matching channel and adjust the headphone volume to a comfortable level.



Disconnecting or Changing the Paired Device

Press BT Pairing / Unpair to disconnect the current source and return to pairing mode. Then select the transmitter from the new device. The transmitter supports one Bluetooth audio source at a time.

Returning to Wired Input

Press and hold BT Power until the small display dot disappears. The status indicator illuminates red to confirm that the balanced line inputs are active.

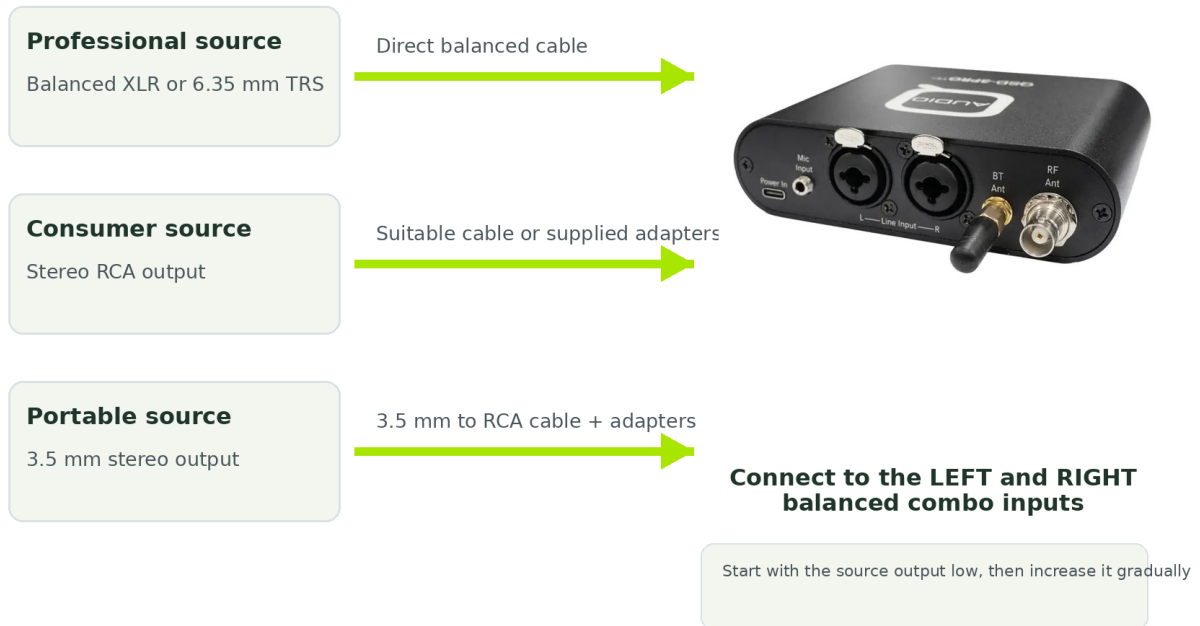


Phone calls

When paired with a phone, answer and end calls using the phone itself. Call handling is not controlled from the transmitter.

Wired Audio Operation

Wired Audio Connection



Use direct balanced cables where possible. The supplied adapters and audio cables support common unbalanced source connections.

1	<p>Select wired-input mode</p> <p>Press and hold BT Power until the small dot disappears from the display. The status indicator illuminates red.</p>
2	<p>Connect both programme channels</p> <p>Connect the source left output to L and the source right output to R. Use balanced XLR or 6.35 mm jack cables for professional equipment, or the supplied cables and adapters for RCA or 3.5 mm sources.</p>
3	<p>Select the RF power and channel</p> <p>Choose LO or HI, then use CH- or CH+ to select channel 1, 2 or 3.</p>
4	<p>Set and check the headphones</p> <p>Switch on the QSD-3PRO headphones, select the same channel and begin with a low listening volume.</p>
5	<p>Set the source level</p> <p>Start programme playback and raise the source output gradually. Reduce the level if the audio sounds harsh, compressed or distorted.</p>

Microphone Mixing

Connect a compatible wired microphone to the 3.5 mm MIC INPUT. The microphone signal is mixed with the Bluetooth or wired programme audio, allowing announcements to be heard by every headphone receiving the selected channel.

- The microphone is not supplied with the transmitter.
- Begin with the programme and microphone source levels low, then increase them gradually while monitoring.
- Keep microphone and audio leads away from the RF antenna to minimise unwanted noise.
- If only one programme input is connected, audio may be heard on only one side of the headphones.

Troubleshooting

Before requesting service, switch the transmitter and headphones off, check every cable and connection, then restart the complete system.

Problem	Checks and corrective action
No audio is heard	Confirm that the transmitter and headphones are switched on and charged. Match the channel, check source and headphone levels, and confirm that the correct Bluetooth or wired-input mode is active.
Bluetooth will not pair	Move the source within approximately 1 m, confirm that the display dot is visible and the indicator is flashing red and blue. Press BT Pairing / Unpair, then try again.
Bluetooth audio drops out	Move the source closer, keep the short Bluetooth antenna clear and prevent previously paired devices from reconnecting automatically.
Only one side is heard	For wired operation, connect both the left and right inputs and confirm that the source is sending a stereo signal.
Microphone is not heard	Check the microphone connection, its switch and any inline mute or level control. Confirm that it is compatible with a 3.5 mm microphone input.
Wrong programme is heard	The headphones are on a different channel, or two transmitters are using the same channel. Match the receiver channel and assign each transmitter a separate channel.
Operating range is reduced	Select HI, fully charge the battery, attach both antennas and place the transmitter clear of walls, metalwork, people and other radio equipment.
Battery runtime is reduced	Battery age, temperature and High power operation affect runtime. Fully charge the transmitter and use Low power where the shorter range is sufficient.
The unit does not charge	Use the rear POWER IN USB-C socket with the supplied 5 V adaptor and cable. Do not use the front SERVICE socket.
!	<p>Service</p> <p>Do not open the transmitter. If the fault remains after completing these checks, stop using the product and contact an authorised Q-Audio dealer or service centre.</p>

Specifications

Specification	Details
Product type	Stereo UHF transmitter with Bluetooth and balanced wired line-input operation
RF system / modulation	UHF/RF, FM
RF band	863-865 MHz, UK licence-free CH70 band
Channels and frequencies	CH1: 863.1 MHz (Blue); CH2: 863.8 MHz (Red); CH3: 864.9 MHz (Green)
Audio inputs	Bluetooth; stereo balanced XLR/6.35 mm combo inputs; 3.5 mm microphone input
Audio mode	Stereo
Channel separation	>43 dB
System capacity	Unlimited compatible headphones per transmitter; up to 3 simultaneous transmitters
Typical effective range	High: more than 300 m; Low: more than 150 m, in unobstructed open space
Battery	Built-in 2000 mAh / 7.4 V rechargeable lithium battery
Typical operating time	High power: approximately 8 hours; Low power: approximately 20 hours
Typical charging time	Approximately 6 hours
Power connection	5 V USB-C input using the supplied power adaptor and cable
Antennas	Detachable RF and Bluetooth antennas
Compatible receiver	QSD-3PRO silent disco headphones
Product identifiers	SKU: 902.100UK; EAN: 5060536755916

Operating range, battery life and charging time depend on RF power, environmental conditions, source configuration, battery condition, charger output and obstructions between the transmitter and receivers.

Maintenance and Storage

- Switch the transmitter off and disconnect the power adaptor and audio cables before cleaning.
- Wipe the enclosure and connectors with a soft, dry or slightly damp cloth. Do not use solvents, abrasives or aerosol cleaners.
- Keep the antenna connectors, combo inputs, microphone input and USB-C sockets free from dust and moisture.
- Inspect the power adaptor, cables, adapters and antennas regularly. Replace damaged accessories before use.
- Store the transmitter in its carry case in a cool, dry place away from direct sunlight and extreme temperatures.
- Recharge the battery periodically during long-term storage. Do not leave the battery fully discharged for extended periods.



Transport

Remove or protect the antennas before transport, disconnect all cables and place the transmitter and accessories in the supplied carry case. Do not place heavy equipment on top of the case.

Service and Repairs

There are no user-serviceable parts inside the transmitter. Do not remove the enclosure screws or attempt to replace the internal battery. Contact an authorised Q-Audio dealer or service centre if the transmitter is damaged or continues to malfunction after troubleshooting.

Disposal



Battery handling

This product contains a rechargeable lithium battery. Do not dispose of it with household waste, crush it, puncture it or expose it to fire. Return the complete product to an appropriate electrical and electronic equipment recycling facility.

Dispose of the power adaptor, cables and other electrical accessories through suitable local recycling services. Remove personal Bluetooth pairings before the product is transferred to another user.

Manual revision 1.0. Specifications and supplied accessories may be updated without prior notice.