

QSD-3PRO TX

Silent Disco Bluetooth Transmitter

3 selectable channels | 863-865 MHz

**MODEL**

QSD-3PRO TX

SYSTEM

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, antennas, connectors or battery appear damaged.
- Keep the antennas clear of metalwork and avoid bending or forcing the connectors.

Power and listening

- Use only the supplied 9 V DC power adaptor or an approved replacement with the same rating and polarity.
- Do not use the front USB-C socket for charging or powering the transmitter. It is for factory service only.
- Stop using the product if the battery swells, leaks, overheats or produces an unusual smell.
- Set connected headphones to a low volume before listening and avoid prolonged exposure to high sound levels.

Product Overview

The Q-Audio QSD-3PRO TX is a compact stereo UHF transmitter designed for the QSD-3PRO silent disco headphone system. It accepts audio through Bluetooth or the left and right RCA line inputs, and includes a separate 3.5 mm microphone input so speech can be mixed with the programme audio.

One transmitter can serve an unlimited number of compatible headphones. Up to three transmitters may be used together, with each transmitter assigned to a separate channel.

Package Contents

Transmitter	1 x QSD-3PRO TX transmitter
RF antenna	1 x detachable long RF antenna
Bluetooth antenna	1 x detachable short Bluetooth antenna
Audio cables	1 x 2 m RCA to RCA cable; 1 x 2 m 3.5 mm jack to RCA cable
Power supply	1 x UK 9 V DC power supply unit
Carry case	1 x zipped carry case

Controls and Connections

Front Panel



Control	Function
1 Microphone input	3.5 mm mono input for a wired microphone. The microphone signal is mixed with the programme audio.
2 Right RCA input	Right channel of the stereo line input. Connect the right output from a mixer, media player or other source.
3 Left RCA input	Left channel of the stereo line input. Connect the left output from a mixer, media player or other source.
4 OFF / LO / HI switch	Switches the transmitter off and selects Low or High RF power. Low power extends battery life; High power provides the greatest operating range.
5 Factory-service USB-C	Service connection only. Do not use this socket to charge or power the transmitter.
i High-power operation	For maximum stability, use the supplied 9 V DC adaptor when operating in High power mode. Some hardware revisions may restrict High mode while running only from the internal battery.

Rear Panel and Indicators



Control	Function
6 RF antenna connector	Connect the long RF antenna here. Hand-tighten only.
7 Bluetooth button	Starts Bluetooth pairing, changes between Bluetooth and wired line-input modes, and clears an existing pairing.
8 Status LED	Red in wired mode; red and blue flash alternately during Bluetooth pairing; blue flashes slowly when connected; green while charging and off when charging is complete.
9 Channel button	Selects transmitter channel 1, 2 or 3. Use a different channel for each transmitter operating in the same area.
10 Channel display	Shows the selected channel. A small dot appears when Bluetooth audio mode is active.
11 Bluetooth antenna connector	Connect the short Bluetooth antenna here. Hand-tighten only.
12 DC 9 V input	Connect the supplied 9 V power adaptor here to power the transmitter and charge its internal battery.

Setup

Initial Setup

1	Install both antennas Attach the long RF antenna to RF ANT and the short antenna to BT ANT. Tighten them by hand without using tools.
2	Connect power Connect the supplied 9 V DC adaptor to the rear DC 9V input, then connect the adaptor to a suitable mains outlet. The internal battery will charge while connected.
3	Select RF power Move the front switch to LO for reduced range and longer battery life, or HI for maximum range. Use OFF when the transmitter is not required.
4	Select a channel Press the Channel button until the required channel number appears on the display. Set the receiving headphones to the same channel.

Channel Guide

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

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Using multiple transmitters
 A maximum of three QSD-3PRO transmitters may be used in the same area. Assign a different channel to each transmitter. Any number of QSD-3PRO headphones can listen to each channel.

Microphone Connection

Connect a wired microphone with a 3.5 mm plug to the MIC input. Its signal is mixed with the Bluetooth or RCA programme audio. Begin with a low microphone level at the source or inline control, then increase it gradually while monitoring through a QSD-3PRO headphone.

Bluetooth Operation

1 Prepare the transmitter

Install both antennas, connect power if required and select LO or HI.

2 Enter Bluetooth mode

Press and hold the BT button until a small dot appears at the lower-right of the channel display. After approximately three seconds, the status LED flashes red and blue.

3 Open the source settings

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

4 Select the transmitter

Choose the transmitter from the available devices.

5 Confirm connection

When pairing is complete, the display dot remains visible and the blue status LED flashes slowly.

6 Start audio

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

Changing the Paired Device

The transmitter can maintain one Bluetooth audio connection at a time. To disconnect the current device and pair another, press the BT button twice to return to pairing mode, then select the transmitter from the new device.

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Phone calls

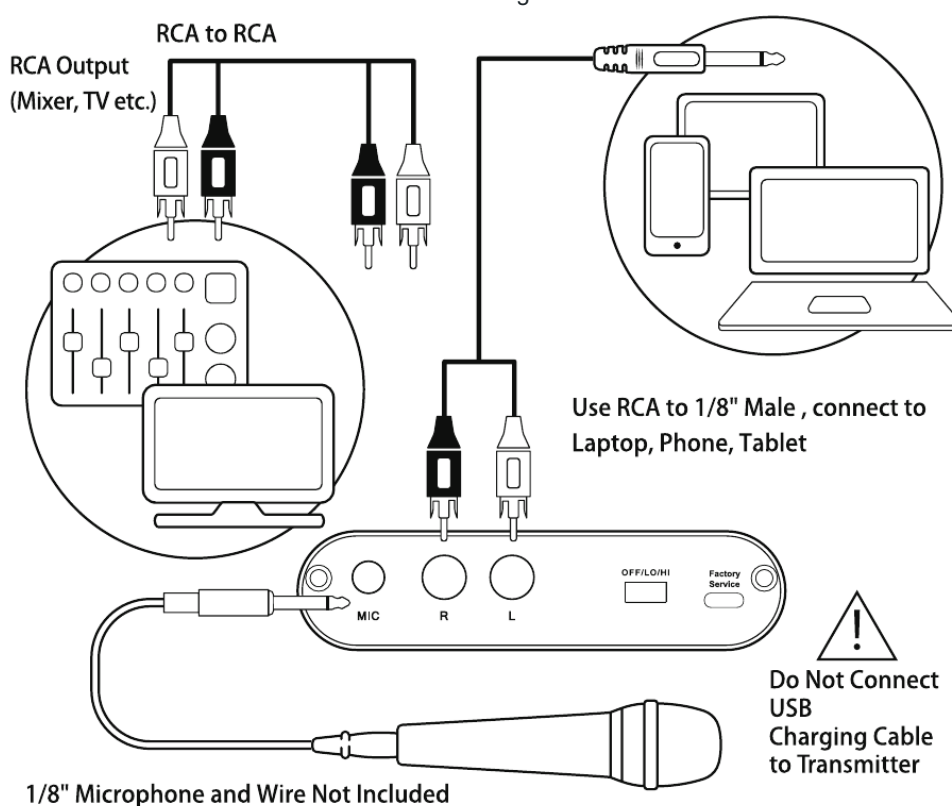
When the transmitter is paired with a phone, answer and end calls using the phone itself. Call handling is not controlled from the transmitter.

Wired Audio Operation

1	Select line-input mode Press and hold the BT button until the small dot disappears from the display. The status LED illuminates red in wired line-input mode.
2	Connect the audio source Connect the left and right outputs of a mixer, media player, computer or tablet to the L and R RCA inputs. Use the supplied RCA cable or the supplied 3.5 mm jack to RCA cable as required.
3	Select RF power and channel Choose LO or HI on the front switch, then press Channel to select channel 1, 2 or 3.
4	Set the receivers Switch on the QSD-3PRO headphones and select the same channel as the transmitter.
5	Check and adjust the audio Start with the source at a moderate level. Listen through a headphone and increase the source level until the audio is clear without distortion.
6	Add a microphone if required Connect a suitable wired microphone to the MIC input. Its signal will be mixed with the programme audio.

Connection Notes

- Connect both RCA inputs for stereo audio. If only one source channel is connected, audio may be heard in only one side of the headphones.
- Keep audio cables away from mains leads and power adaptors where possible to reduce hum and interference.
- Do not connect the front factory-service USB-C socket to a charger, computer or power bank during normal operation.
- Any headphone tuned to the selected channel and within range will receive the transmitted audio.



Wired source connection example. Use the appropriate supplied cable for the source device.

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. Set the headphones to the same channel, check the source volume and connections, and make sure the transmitter is in the correct Bluetooth or wired-input mode.
Bluetooth will not pair	Move the device within approximately 1 m, confirm that Bluetooth mode is active and the display dot is visible, then press the BT button twice to clear the current connection and pair again.
Bluetooth audio drops out	Move the source closer, keep the short Bluetooth antenna clear and disconnect other nearby devices that may be trying to reconnect to the transmitter.
Only one side is heard	For wired operation, confirm that both the left and right RCA inputs are connected and that the source is sending stereo audio.
Microphone is not heard	Check that the microphone is connected to the MIC input, is switched on and is compatible with a 3.5 mm microphone input. Check any inline level or mute control.
Wrong programme is heard	The headphones and transmitter are set to different channels, or another transmitter is using the same channel. Match the channel and assign a separate channel to each transmitter.
Operating range is reduced	Select High power, fully charge the battery, extend both antennas and place the transmitter in a clear, elevated position. Walls, people, metalwork and interference reduce range.
Battery runtime is reduced	Battery age, High power operation and temperature affect runtime. Fully charge the unit and use Low power where the shorter range is sufficient.
The unit does not charge	Confirm that the supplied 9 V adaptor is connected to DC 9V. Do not attempt to charge through the front factory-service USB-C socket.
!	Service 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.

Specifications

Specification	Details
Product type	Stereo UHF transmitter with Bluetooth and wired line-input operation
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 left/right RCA line input; 3.5 mm microphone input
System capacity	Unlimited compatible headphones per transmitter; up to 3 simultaneous transmitters
RF power and range	High: approximately 305 m (1,000 ft); Low: approximately 61 m (200 ft), in unobstructed open space
Battery	Built-in rechargeable battery
Typical operating time	High power: approximately 5-6 hours; Low power: approximately 11-12 hours
Typical charging time	Approximately 1.5 hours
Power connection	9 V DC input using the supplied UK power adaptor
Antennas	Detachable RF and Bluetooth antennas
Compatible receiver	QSD-3PRO silent disco headphones
Product identifiers	SKU: 902.010UK; EAN: 5060536759303

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

Maintenance

- 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, RCA sockets, microphone input and DC input free from dust and moisture.
- Inspect the power adaptor, audio cables and antennas regularly. Replace damaged accessories before use.
- Store the transmitter in its carry case in a cool, dry place. Recharge it periodically during long-term storage.

Disposal



Battery handling

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

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