

QSD-3PRO BTX

Portable Bluetooth Transmitter

3 selectable channels | 863-865 MHz

**MODEL**

QSD-3PRO BTX

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, power amplifiers, lighting equipment, naked flames or direct sunlight.
- Do not dismantle, modify or continue using the unit if the casing, antenna, connectors or battery appear damaged.
- Use only within an ambient temperature range of 0°C to 50°C.

Charging and listening

- Charge through the USB-C port using a suitable regulated 5 V USB power supply.
- Do not charge the transmitter when wet or in an excessively hot environment.
- Stop using the product immediately 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 BTX is a portable, battery-powered stereo transmitter for the QSD-3PRO silent disco system. Audio can be supplied by Bluetooth or through the 3.5 mm stereo line input, while a separate headset microphone input allows speech to be mixed with programme audio.

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

Key Features

- Three selectable UK CH70 channels between 863 and 865 MHz.
- Bluetooth audio and 3.5 mm stereo line input.
- Separate headset microphone input, microphone level control and mute button.
- High and low RF power modes for range or battery-life optimisation.
- Clear LCD showing channel, frequency, battery level and operating status.
- Rechargeable 2500 mAh battery with USB-C charging.
- Integrated belt clip and high-gain antenna for portable use.

Package Contents

Transmitter	1 × QSD-3PRO BTX portable transmitter
Audio cables	1 × 2 m RCA cable and 1 × 2 m RCA-to-3.5 mm jack cable
Microphone	1 × wired headset microphone with 3.5 mm jack
Charging cable	1 × USB-C charging cable
Carry case	1 × zipped padded carry case

Controls and Display



Control	Function
1 Power	Press and hold for approximately three seconds to switch the transmitter on or off. While the unit is on, press briefly to leave the menu and return to the main display.
2 Status LED	Illuminates red while the transmitter is switched on. During charging it illuminates green and switches off when charging is complete.
3 CH+	Selects the next channel or frequency. In the menu, moves upwards through the available options.
4 CH-	Selects the previous channel or frequency. In the menu, moves downwards through the available options.
5 Menu	Press and hold for approximately 2.5 seconds to open the settings menu. Press briefly to confirm a selected option.

LCD Display



- A** Transmitting channel
- B** Battery status
- C** Transmitting frequency
- D** Audio mode
- E** Status icons for microphone/ENC, Bluetooth and RF transmission

Connections and Indicators



Item	Description
6 Microphone input	3.5 mm input for the supplied wired headset microphone.
7 Headphone Output	3.5 mm output for a wired headphone.
8 Microphone mute	Press to mute or unmute the connected microphone without stopping the programme audio.



- 9 Microphone volume**
Adjusts the level of the connected headset microphone.
- 10 USB-C charging port**
Charging input for a suitable 5 V USB supply.

Belt clip and antenna
Use the integral clip to secure the transmitter to clothing or a belt. Keep the antenna extended and clear of the body where practical for the best operating range.

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Input identification

The microphone and stereo line inputs use separate 3.5 mm sockets. Confirm the printed symbols before connecting equipment.

Setup

Charging the Transmitter

1	Switch off the transmitter Connect the supplied USB-C cable to the charging port and to a suitable regulated 5 V USB power source.
2	Check the indicator The status LED illuminates green while charging and switches off when the battery is fully charged.
3	Allow a full charge A complete charge takes approximately eight hours. Fully charge the transmitter before first use and before extended events.

Wired Audio Connection

1	Connect the source Connect the audio output of a mixer, laptop, tablet or media player to the 3.5 mm stereo line input using the supplied cable or a suitable equivalent.
2	Set a sensible source level Start with the source output at a moderate level. Play audio and check the signal through a QSD-3PRO headphone before increasing the level.

Bluetooth Connection

1	Enable Bluetooth Switch on the transmitter, hold Menu to open the settings, select BT Mode and choose On.
2	Pair the audio source Open the Bluetooth settings on the phone, tablet or computer and select HT003. The Bluetooth icon on the display confirms the connection.
3	Disconnect or clear pairing Use BT Mode in the transmitter menu to switch Bluetooth off or select Unpair before connecting a different source device.

Headset Microphone

Connect the supplied headset microphone to the microphone input. Use the side-mounted MIC VOL control to set the speech level and the top-panel microphone button to mute or unmute it.

Operation

1	Switch on Press and hold Power for approximately three seconds. The LCD and red status LED illuminate.
2	Choose a channel Press CH+ or CH- until the required channel is displayed. Set every receiver that should hear the programme to the same channel.
3	Check the audio Start the audio source and listen through a QSD-3PRO headphone. Set the receiver volume to a comfortable level and adjust the source level if required.
4	Use the microphone Unmute the microphone and adjust MIC VOL. The speech signal is mixed with the programme audio according to the selected microphone settings.
5	Switch off after use Press and hold Power for approximately three seconds. Recharge the transmitter before storage or the next event.

Channel Guide

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

i	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.
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Settings Menu

Press and hold Menu for approximately 2.5 seconds. Use CH+ and CH- to move through the options, press Menu briefly to confirm, or press Power briefly to return to the main display.

Menu option	Function
BT Mode	Switch Bluetooth on or off, or clear the current pairing using Unpair.
Audio Mode	Select HiFi Audio or SD Audio. Use HiFi Audio for normal high-quality programme transmission.
Power	Select High for maximum range or Low for reduced range and longer battery life.
MIC DecAudio	Microphone/programme mix setting. This controls how the programme audio is reduced while the microphone is being used.
ENC	Environmental Noise Cancelling for the microphone input. Enable it where background noise affects speech clarity.

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, raise the source level, check the line or Bluetooth connection, and make sure the source is playing.
Only the microphone is heard	Check the programme source and line/Bluetooth input. Review the MIC DecAudio setting and reduce the microphone level if it is masking the programme audio.
The microphone is not heard	Check that the microphone is connected to the microphone input rather than the line input. Unmute it, raise MIC VOL and confirm that the headset microphone is working.
Bluetooth will not connect	Confirm that BT Mode is On. Disconnect the transmitter from any previously paired source, choose Unpair in the menu, then pair again with HT003.
Audio is intermittent or noisy	Move the transmitter away from metalwork, power supplies, Wi-Fi equipment and other sources of interference. Keep the antenna extended and reduce the distance to the headphones.
Wrong programme is heard	The headphone and transmitter are set to different channels. Match the displayed channel and confirm that other transmitters are each using a separate channel.
Operating range is reduced	Select High power mode, fully charge the battery, extend the antenna and place the transmitter in a clear, elevated position. Walls, people and metal structures reduce range.
The transmitter does not charge	Try another USB-C cable and a suitable regulated 5 V USB supply. Check the charging port for dirt or damage and allow the unit to return to room temperature before charging.
Battery life is shorter than expected	High power, Bluetooth, microphone use and battery age affect operating time. Fully charge the battery and use Low power mode where the shorter range is sufficient.
!	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	Portable battery-powered stereo RF transmitter
RF system	UHF / RF, FM modulation
Channels and frequencies	CH1: 863.1 MHz (Blue); CH2: 863.8 MHz (Red); CH3: 864.9 MHz (Green)
Audio modes	HiFi Audio / SD Audio
Channel separation	>43 dB
Audio inputs	Bluetooth, 3.5 mm stereo line input and 3.5 mm microphone input
RF power and range	High: approximately 300 m; Low: approximately 150 m in unobstructed open space
System capacity	Unlimited compatible headphones per transmitter; up to 3 simultaneous transmitters
Battery	Built-in rechargeable 2500 mAh / 7.4 V lithium-ion battery
Operating and charging time	High power: 10 hours; Low power: 25 hours; charging: approximately 8 hours
Charging connection	USB-C, 5 V DC
Operating temperature	0°C to 50°C
Compatible receiver	QSD-3PRO silent disco headphones
Product identifiers	SKU: 902.020UK; EAN: 5060536759297

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

Maintenance

- Switch the transmitter off and disconnect all cables before cleaning.
- Wipe the enclosure, display and connectors with a soft, dry or slightly damp cloth. Do not use solvents, abrasives or aerosol cleaners.
- Keep the antenna, sockets and USB-C port free from dust and moisture.
- Inspect the charging cable, audio cables and headset microphone regularly. Replace damaged accessories before use.
- Store the transmitter in its carry case in a cool, dry place. Charge the battery periodically during long-term storage.

Disposal

This product contains electronic components and a built-in rechargeable lithium-ion battery. Do not dispose of it with general household waste. Use an appropriate electrical and electronic equipment recycling facility in accordance with local regulations.



Battery handling

The battery is built into the transmitter and is not user-replaceable. Do not open, crush, puncture, short-circuit or burn the product. A qualified recycling or service facility should remove the battery.

Product Care

Before disposal	Remove all connected cables and accessories. Erase Bluetooth pairing information using BT Mode > Unpair where possible.
Accessories	Audio cables, USB charging cables and the headset microphone should be reused or recycled separately where facilities exist.
Packaging	Reuse or recycle the carry case and packaging materials in accordance with local guidance.

Manual Information

Model: QSD-3PRO BTX

Document revision: 1.0

Specifications and supplied accessories may be updated without prior notice.