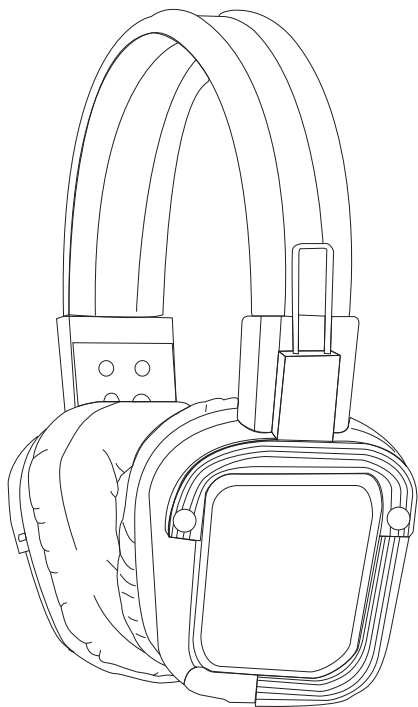


JOE

headphones

User manual



Version 1.2

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What's included?

Joe Silent Disco headphones



Scan for more



Scan the QR code for product information, guides & videos.

Get in touch

For further assistance, please call, email or visit our website.

- +44 2070 603 653
- help@silentdiscoking.com
- sales.silentdiscoking.com

Operating your headphones

Getting the most out of your Joe Silent Disco headphones.

1. Channel button

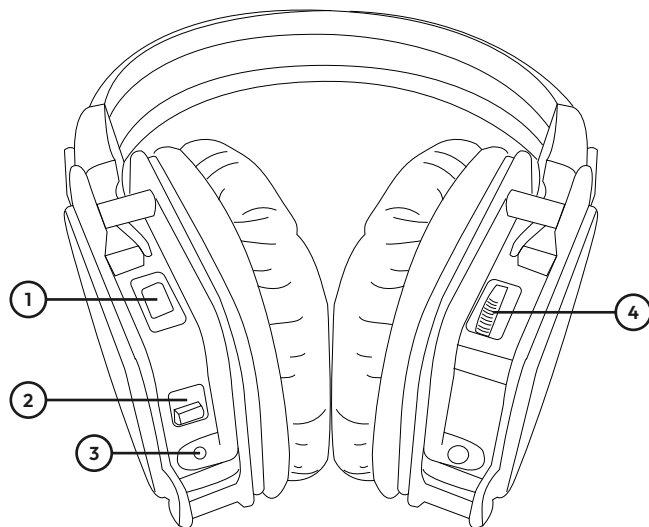
- **Switch channel:** Slide to change the listening channel; switch between channels 1, 2, and 3.

2. Power switch

- **Power ON/OFF:** Slide the power switch to turn the headphones on or off.

3. 3.5mm jack

- **Output mode:** Functions as an output when headphones are **ON** (share audio to another device).
- **Input mode:** Functions as a standard wired input when headphones are **OFF**.



4. Volume wheel

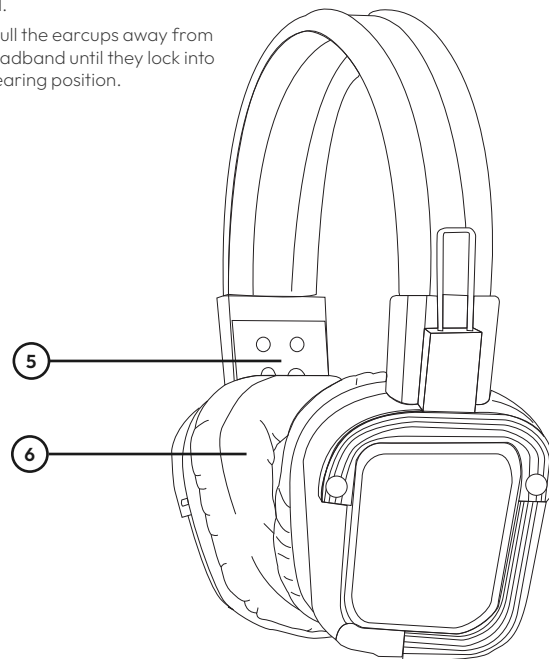
- **(+) Increase:** Scroll the wheel upward.
- **(-) Decrease:** Scroll the wheel downward.

5. Folding earcups

- **Storage:** Push the bottom of the earcups toward the headband to fold.
- **Use:** Pull the earcups away from the headband until they lock into the wearing position.

6. Ultra comfortable ear pads

- **Prolonged wear:** The Joe features soft-cushioned ear pads, designed for maximum comfort during extended listening periods.



Frequencies & channels

Frequencies

Superior sound quality

Joe headphones receive audio by UHF radio frequencies.

The standard frequencies for your headphones are listed below according to the region you selected when purchasing your headphones.

Region	UK, EU and ROW	
Channel 1	Red	863.7MHz
Channel 2	Green	864.9MHz
Channel 3	Blue	863.1MHz
Channel 4	Yellow	N/A

Region	USA/CANADA	
Channel 1	Red	924.5MHz
Channel 2	Green	925.6MHz
Channel 3	Blue	923.8MHz
Channel 4	Yellow	N/A

Please note: Frequencies and other specifications may be changed without notice. If in doubt please confirm with supplier.

Channel selection

Joe headphones have the ability of hosting up to three channels (when used with 3x transmitters). Broadcast up to three simultaneous audio streams for your events.

How to switch channels

1. Ensure the headphones are **switched on**.
2. Slide the **channel switch** to select/change channels. Toggle between 1-3.
3. The LED light will **change colour** to indicate which channel you are listening to.

Compatible equipment

Joe Silent Disco headphones are 100% compatible with all legacy Silent Disco King over-ear systems. As long as your gear shares the same frequency and region, you're ready to go.

Silent Disco supported gear

Product name	Serial number
Headphones	
Zed Silent Disco headphones	ZED-0100
Tom Silent Disco headphones	HR20RF
Harry Silent Disco headphones	OE600L
Bob Silent Disco headphones	OE300L
Ned Silent Disco beltpack receiver	OE900B
Transmitters	
Falcon Silent Disco hybrid bluetooth transmitter	OE2000-BT
Falcon Silent Disco transmitter	OE2000
Donkey Silent Disco transmitter	OE1100M
Parakeet Silent Disco beltpack transmitter	OE900
Parrot Silent Disco beltpack transmitter	OE1700

Troubleshooting

Headphones not connecting?

Most connection issues can be resolved in a few simple steps. Please refer to the troubleshooting checklist and common fixes on **page 11**.

Still stuck?

Gather the relevant **serial numbers** and contact your supplier for further assistance.

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 **help@silentdiscoking.com**

 **sales.silentdiscoking.com**

Technical specifications

Feature	Specification
Model	OE500L
Dimensions (Extended)	H: 21cm W: 16cm D: 7.5cm
Dimensions (Folded)	H: 15cm W: 13cm D: 7.5cm
Channels	3
Battery life	Up to 18 hrs (lights off) 17 hrs (lights on)
Power saving	N/A
Buttons	Power, Volume, Channel Select
Modulation	FM
Audio mode	Stereo
Operational distance	< 300m (optimum)
Impedance	32 ohm
Speaker type	Advanced 40mm
Frequency response	30Hz – 20,000Hz
S/N ratio	> 75dB
Channel separation	> 40dB
Distortion	0.1%
Battery type	420mAh, 3.7V lithium-ion battery
Weight	220g
Customisable branding	N/A
Connections	Aux (3.5mm jack)
Charging connection	DC
Fast charging time	2.5 hours
Audio input voltage	N/A
Charge voltage	5V
Charge current	200mA
R F Power	10dBm
Antenna gain	5dBi*
Modulation frequency offset	500mVrms $\pm$ 30mV
Working current	60mA $\pm$ 10mA

Do's and don'ts

Do's

✓ Listening levels

Use headphones and systems at comfortable and safe listening levels.

✓ Cleaning

Wipe the exterior surfaces with antibacterial wipes after each use. Ensure no moisture enters the audio inputs or charging ports. Ear pad covers are available from your supplier.

✓ Charging

Fully charge your headphones before every event to ensure maximum battery life for your audience.

✓ Serial number

You can find your unique product serial number on the inside of the headband, located directly above the earcup.

Format example: 0525EU

✓ System expansion

Feel free to expand your system. Mix and match a variety of over-ear transmitters, headphones and receivers.

Don'ts

✗ Extreme temperatures

Do not store equipment in environments exceeding 45°C.

✗ Moisture & damp

Avoid contact with water and do not store headphones in damp or high-humidity areas to prevent internal damage.

✗ Input obstruction

Do not allow liquids or debris to enter the 3.5mm jack or USB-C charging port during the cleaning process.

✗ Channel overlap

Avoid using 2+ transmitters on the same channel.

✗ Transmitter proximity

Keep transmitters at least **one metre apart** to prevent signal distortion.

✗ Modifications

Do not attempt to modify equipment. This **invalidates your warranty** and poses a safety risk.

✗ Extended time periods

Don't use headphones for extended periods of time.

Help and advice

Call or email for help and advice.

 **+44 2070 603 653**

 **help@silentdiscoking.com**

Safety instructions

Essential information for your safety and product longevity.

Usage & maintenance

Cleaning

Always switch off and unplug equipment before cleaning.

Modifications & repairs

Do not attempt to repair or replace any parts. Please contact the Silent Disco King in-house repair team.

Damages

Do not use if the unit is damaged by water, heat, or physical impact.

Power & charging

Connection

Ensure connections are secure and away from excessive heat or sunlight.

Wall sockets

Do not overload wall sockets.

Power cable

Use only the supplied power cable and accessories.

Disconnect

Disconnect from power after charging and during long periods of inactivity.

Environmental safety

Environment

Keep headphones in a cool, dry place; avoid extreme temperatures.

Heat sources

Keep away from radiators, heat-emitting screens, and amplifiers.

Moisture protection

Store and transport in a dry environment to prevent corrosion.

Terminals

Ensure terminals do not touch metal objects to prevent short circuits.

Maintenance

For long-term storage, recharge batteries every 3–6 months to maintain a 40–60% charge.

Troubleshooting guide

Here's our troubleshooting checklist and common fixes.

No audio or music?

1. Check your source

Ensure the audio feed is securely connected. Test the signal with a different playback device or a fresh audio cable.

2. Verify power & volume

Confirm that all receivers and headphones are powered **ON**, set to the correct channel, and that the volume wheel is turned up.

3. Auto power-off

To save battery, headphones will automatically shut down after **10 minutes** of inactivity. If this happens, ensure your transmitter is still actively broadcasting.

4. Battery status

Ensure batteries are fully charged before use. If the headset will not stay on, please recharge and try again.

Display or light issues?

1. No LED lights

Press and hold the **LED/CH** button until lights display.

2. No power indicator

If the power light fails to illuminate when switched on, the unit may require service. Please contact the manufacturer.

Signal drops, interference, or reduced range?

1. Wireless interference

Ensure there is no interference from other wireless devices in the area.

2. Channel conflicts

If running multiple transmitters, ensure each is set to a unique channel. Operating two transmitters on the same frequency in the same space will cause **signal cancellation**, resulting in distorted or zero audio.

3. Transmitter spacing

Maintain a minimum distance of **one metre** between transmitters. Placing them too close together can cause signal intermodulation and interference.

Warning

Non-compliance may result in electric shock, fire, or equipment damage, and will void the product warranty. For concerns, contact your dealer or the manufacturer.

Help and advice

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