

OVER-EAR
FALCON HYBRID
BLUETOOTH TRANSMITTER

OE2000BT



PRODUCT MANUAL

OVER-EAR FALCON HYBRID BLUETOOTH TRANSMITTER

WHAT'S INCLUDED

- Falcon Hybrid BT Transmitter
- Falcon Hybrid Aerial
- Falcon Hybrid BT Antennae
- USB to USB-C Charge cable and adaptor
- Phono/RCA to 3.5" jack cable

YOUR TRANSMITTER

Learn all about your Falcon Hybrid Bluetooth transmitter below.

1. 3.5mm mic input

Connect the microphone to the transmitter to broadcast voice.

2. RCA audio input

Connect a device such as laptop, phone, tablet, or TV and play the intended audio. Use the supplied RF adapter (if needed).

3. Power switch

3 settings, Off/Low Power/High Power. Check RF power levels on your particular model with supplier.

4. USB-C factory service input

[For service engineer only]

This socket is not for user. Please do not attempt to connect to this socket as doing so may cause damage to your transmitter.

5. BNC antennae socket

Connect supplied RF BNC antennae here.

6. Bluetooth sync button

Press the button to activate the Bluetooth device 'pairing mode'.

7. Power light

IN USE

Scan the QR code below for product information, guides and videos.



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over-ear.com
sales.silentdiscoking.com



Red LED illuminates when transmitter is on.
CHARGING

[Power off] - LED illuminates red while charging, LED turns green when fully charged.

[Power on] - LED illuminates red when charging or charged.

8. Frequency/channel number

Use this button to cycle between different transmission channels (frequencies).

9. LED screen

Displays the number of the RF channel that you have selected.

10. Bluetooth antenna

Connect your Bluetooth antennae here.

11. USB-C power input

Connect to mains (or power source) to charge or power your transmitter.

USING YOUR OVER-EAR FALCON HYBRID BLUETOOTH TRANSMITTER

1. POWER/CHARGE YOUR TRANSMITTER

Ensure Falcon Hybrid transmitter is plugged in using the USB-C power adapter (or fully charged for wireless use).



3. SELECT CHANNEL

Press the 'channel' button to select the RF channel you want to broadcast the audio on. The LED screen will display the number of the channel you've selected.



2. SWITCH ON

Slide power switch from LO or HI to adjust the power of the RF signal. The transmitter will turn on and a voice prompt will sound over the headphones 'power on'.



4. CONNECT MICROPHONE

Insert the 3.5mm jack of your microphone into your transmitter. *If you're using a Bluetooth headset, ensure that the receiver is plugged in and the mic is connected.*



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PLAYING AUDIO

5a. CONNECT AUDIO TO BLUETOOTH:

Tap the 'BT' button on the back of the transmitter, the light will flash blue when it is ready to pair with your Bluetooth device.

Search for device 'OE Falcon #00061' on your audio device and connect. When you have

successfully paired with the transmitter you will hear a voice saying 'connected' over the headphones.

You can now play your audio from your device, put on your headphones and enjoy the audio.



5b. CONNECT AUDIO VIA RCA/PHONO:

Connect your audio source (eg. mp3, phone, laptop). Plug the RCA/phono cable supplied into the red and white (R+L) inputs on the front of the transmitter.

Using the 3.5mm (headphone jack) end of the RCA/Phono cable, connect your audio playing device.

Now play your audio from your device, put on your headphones and enjoy the audio.



TECHNICAL SPECIFICATION

Model number: OE2000BT

Dimensions:	10.9cm x 9cm x 2.8cm	RF Power:	LO: 10dBm/ HI: 29dBm
Weight:	0.269g	Antenna Gain:	5dBi
Sound:	Stereo, HD or SD Mode	Op Distance:	300m (in open space)
Frequency Response:	20-15,000Hz	Working Current:	Low: 200mA/ HI: 450mA
Channel Separation:	>40dB	Bluetooth:	Version 5.2
Modulation:	FM	Bluetooth Range:	5-10m
S/N ratio:	>80db	Frequencies:	Custom i.e. 433MHz/ 863MHz/ 915MHz etc
Audio Input Voltage:	N/A	LED Colour Typical Frequency	
Connections:	Bluetooth 5.2/3.5mm mic jack/ RCA adapter		
Power Source:	5V USB-c/ 2000 mAh lithium Ion battery		
Charge Voltage:	5v		
Charge Current:	1.2A~1.5A		
Charge Time:	<4 hours		
Battery Life:	LO: 12 hours/ HI: 6 hours		

Please note: frequencies and other specifications may be changed without notice.

If in doubt please confirm with supplier.

SAFETY INSTRUCTIONS TROUBLESHOOTING

- Switch off and disconnect equipment from mains before cleaning.
- Do not repair or replace parts for any products.
- Do not use equipment if damaged by water, heat, physical impact etc.
- Do not use or store equipment in or near water, moist or hot environments.
- Keep away from radiators and heat generating electrical equipment such as screens and amps.
- Use only the supplied power cable and accessories with your product.
- Disconnect from power after charging and especially when not being used for long periods of time.
- Ensure that power connection is plugged in properly - not damaged, working within a comfortable temperature and not exposed to direct sunlight.
- Do not overload wall sockets.
- Failure to comply with safety guidelines can result in electrical shock, fire, damage to equipment and invalidate your warranty.
- If in doubt please contact dealer or manufacturer.

DO'S

Do use headphones and systems at comfortable and safe listening levels.

Do gently clean equipment between uses and users. Ear pad covers are available from your supplier.

Do feel free to expand your system. Mix and match a variety of Over-Ear transmitters, headphones and receivers.

Do call, email or visit us for help and advice.

DON'T

Don't use 2 or more transmitters on the same channel - they won't work.

Don't use equipment near other wireless apparatus including radio mics, transmitters etc. Frequencies can interfere and result in distorted or no signal.

Don't attempt to repair or modify equipment yourself. At best this invalidates your warranty. At worst this could seriously harm somebody. Don't use headphones for extended periods of time.

NO AUDIO / MUSIC?

Check your music playing device is working, connected correctly and playing music with volume turned up full.

Try a different device and audio cable.

Ensure that you are connected to Bluetooth device "OE Falcon #00061" and music is playing with the volume turned up.

Ensure receivers/headphones are switched on, connected to the correct channel and have volume turned up.

SIGNAL CUTS OUT, INTERFERENCE OR REDUCED RANGE?

Ensure there is no interference caused by other wireless equipment in the vicinity.

If using two or more transmitters (or Falcon) simultaneously make sure each is on different channels (frequencies). You cannot use two transmitters on the same channel in the same place ever. They will cancel each other out, resulting in little or no signal.

Make sure the transmitter is in range.

BLUETOOTH CONNECTION CUTS OUT

Check the Bluetooth antennae on the back of the transmitter is firmly attached.

If your audio device is connected via Bluetooth and the device moves out of range to the transmitter, an audio prompt will sound 'disconnected'. The transmitter does not automatically reconnect to the device. You will need to reconnect your device manually. When it is reconnected a voice will sound 'connected' over your headphones.

NO POWER?

Check the transmitter is fully charged and switched on.

Try using a different USB-C cable.



ALL THE RIGHT SOUNDS



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