

FALCONCLAW PTT MANUAL



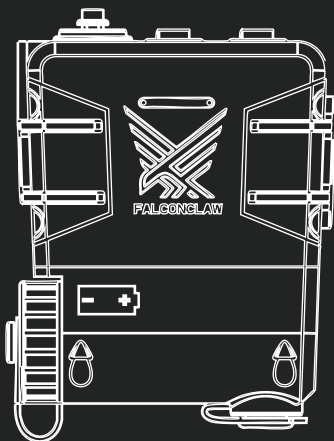


COVER & INTRODUCTION

FC-PTT MULTIFUNCTIONAL PUSH-TO-TALK

FC PTT is a versatile multifunctional PTT with advanced features.

For best user experience, read the manual before use.



- Uses Lithium CR123A batteries only.
- Radio PTT works without a batteries, but Bluetooth/Zello features require one.

**DO NOT USE
RECHARGEABLE CR123A.**



SWITCHES

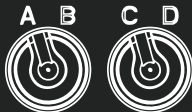
How to switch between nato and Peltor wiring for head set:

On top of the PTT you will find the switch designated with A-B

WIRING SWITCH (A-B)

A = Peltor wiring

B = NATO wiring



Note: Falconclaw nexus to aux adapter uses nato wiring

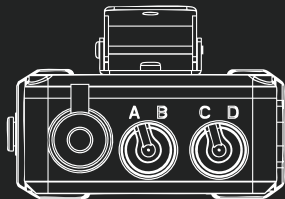
How to switch between headset and onboard microphone:

On top of the PTT you will find the switch designated with C-D

MICROPHONE SWITCH (C-D)

C = Onboard microphone

D = Headset microphone

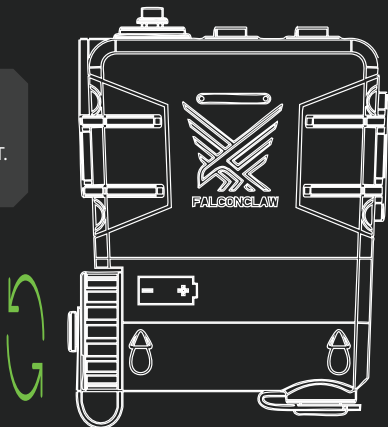


BATTERY

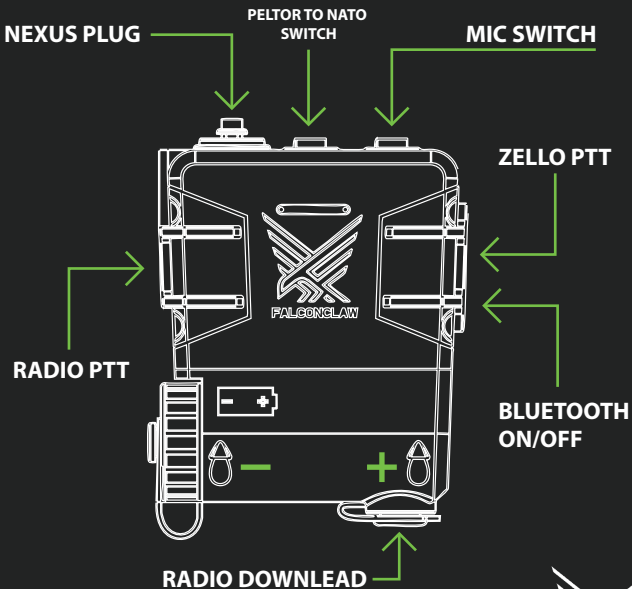
THE PTT USES ONE CR123A BATTERY, WHICH IS INSERTED FROM THE SIDE OF THE UNIT. RADIO PTT FEATURES OPERATE EVEN WITHOUT A BATTERY INSTALLED.

BATTERY INSERTION

- Uses one CR123A battery.
- Insert from the side of the PTT.
- Ensure correct polarity.



PTT LAYOUT



CONTROLS

1

Hold the radio PTT button to transmit on your radio.

2

Hold the Bluetooth button for 5 seconds to power on Bluetooth and enable Zello features.

3

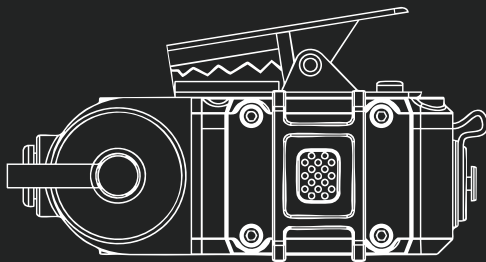
Hold the Zello PTT button to transmit on Zello from your phone.

4

Press the Bluetooth button once (while powered on) to pause or resume the last playing media.

5

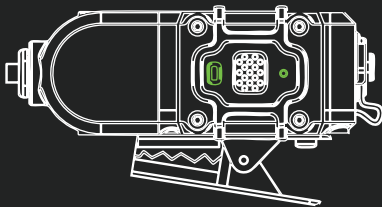
Press the Bluetooth button twice (while powered on) to call the last dialed contact.



PHONE CONNECTION

How to connect your phone to PTT:

- Hold the Bluetooth button for 10 seconds until the red and blue lights flash and the headset announces "pairing."
- On your phone, connect to FALCONCLAW.
- Once connected, you will hear audio in your headset.



Note: If multiple members of your squad use FC-PTT, it is best to pair devices one at a time, with other PTTs powered off or out of range.



ZELLO SETUP

How to connect setup your PTT in zello:

- Make sure that your PTT is connected to your phone via bluetooth
 1. Press on your account in the opening screen of zello
 2. Press settings
 3. Press push-to-talk buttons
 4. Under "other buttons" you will see a "blue button"
 5. Press on "blue button"
 6. Go to settings of the "blue button" and select the channel on where you would like to talk or who you like to talk too

To disconnect your FC-PTT from zello:

1. Swipe to the left on "blue button"
2. Press "Forget device"

Note: If multiple members of your squad use FC-PTT, it's easier to do this if all the other PTT's are out of range or turned off.



TROUBLESHOOTING

Device does not power on

- Ensure a fresh Lithium CR123A battery is installed.
- Confirm the battery is inserted with the correct polarity.
- Remember: radio PTT works without a battery, but Bluetooth/Zello functions require one.

Headset not working

- Check the A-B wiring switch on top of the unit:
A = NATO wiring, B = Peltor wiring.
- Verify your headset wiring standard matches the switch setting.
- Ensure microphone selection is correct.

Microphone not transmitting

- Check the C-D microphone switch:
C = Headset mic, D = Onboard mic.
- If using a headset, confirm the microphone is plugged in securely.
- If using onboard mic, ensure no obstructions are covering it.

Bluetooth not connecting

- Hold the Bluetooth button for 10 sec until red/blue flashing is visible and "pairing" is heard.
- Delete/forget previous pairings from your phone and reconnect.
- Ensure no other FC-PTTs are powered on nearby during pairing.



TROUBLESHOOTING

Zello PTT not working

- Ensure a fresh Lithium CR123A battery is installed.
- Confirm Bluetooth connection between phone and FC-PTT is active.
- Confirm the battery is inserted with the correct polarity.
- Remember: radio PTT works without a battery, but Bluetooth/Zello functions require one.

Audio issues (distorted/no sound)

- Check the A-B wiring switch on top of the unit:
A = NATO wiring, B = Peltor wiring.
- Verify your headset wiring standard matches the switch setting.
- Ensure microphone selection is correct.

Media/call control not responding

- Check the C-D microphone switch:
C = Headset mic, D = Onboard mic.
- If using a headset, confirm the microphone is plugged in securely.
- If using onboard mic, ensure no obstructions are covering it.



Manufacturer:

Falconclaw OÜ

www.falconclaw.eu

Harju maakond, Rae vald, Uuesalu küla, Saarma tee 18, 75331

EU Compliance Statement

Falconclaw OÜ hereby declares that the radio equipment type FC-PTT complies with the essential requirements and other relevant provisions of Directive 2014/53/EU (Radio Equipment Directive).

The full text of the EU Declaration of Conformity is available on request by email at info@falconclaw.eu.

Radio Frequency & Power:

Bluetooth 2.4 GHz (2400 – 2483.5 MHz)

Maximum RF output power: < 10 dBm EIRP

Use of this equipment is permitted in all EU Member States.

Safety and Environmental Information

Use only Falconclaw-approved power sources and accessories.

Do not modify, open, or replace the antenna.

Operate within ambient temperatures of -20 °C to +50 °C.

Engineered for use in demanding field conditions, including dusty and debris-filled environments.

Avoid immersion in liquids unless specified in future product documentation.

Dispose of this equipment according to local electronic-waste regulations (WEEE).



Actual product may
vary from artwork.



FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

*RF warning for Portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



Actual product may
vary from artwork.

