



Listen&Talk

USER MANUAL

Most optimized way of mutual discussion in full duplex between a leader and any one of participants at a meeting while all rest members are listening.

Listen&Talk-L (HE-L)

OPTIMIZED MUTUAL DISCUSSION SYSTEM IN FULL DUPLEX FOR GUIDE/LEADER.



Listen&Talk-P (HE-P)

OPTIMIZED MUTUAL DISCUSSION SYSTEM IN FULL DUPLEX FOR PARTICIPANTS.



1. General Information

1.1 Introduction

The product "Listen&Talk-L" and "Listen&Talk-P" are the most optimized way of mutual discussion in full duplex between a leader and any one of participants at a meeting while all rest members are listening.

It combines quality and versatility into the most compact, simple to operate and easy to use with state of the art technology.

1.2 Main Features

- Worldwide compatible 2.4Ghz ISM band solution.
- Full duplex discussion between a leader and any one of participants while all other members are listening.
- Fully digitalized crystal-clear sound quality and loud enough audio output over 150m coverage.
- Easy to put on and stabilized ear set boom microphone for a leader and high desirable plug in microphone (optional) with comfortable earphones for participants.
- Support for a leader to publish with any favorite music background or sound thru Line In input.
- Extremely easy to set up in 3 steps only and user-friendly features.
- Ultra compact, 50 x88 x15 mm and light weight, 60g only.

- Long enough battery life over 12 hours.
- Convenient drop in charge or micro USB charging system.

1.3 Available Accessories

Listen&Talk-L (HE-L)

- Ear set Boom Microphone
- Neck strap
- USB charging cable

Listen&Talk-P (HE-P)

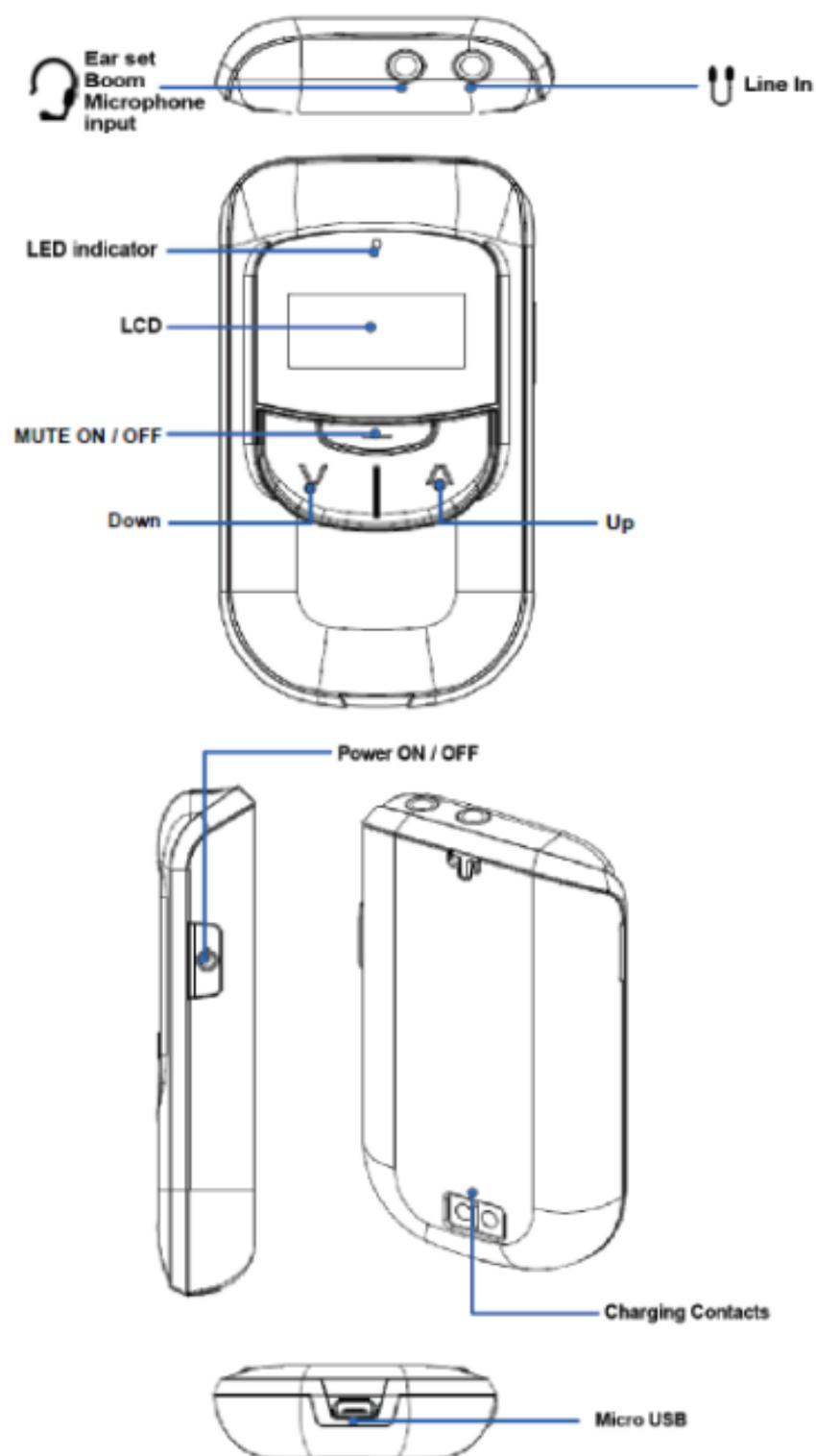
- Earphones
- Neck strap
- USB charging cable

1.4 Optional Accessories

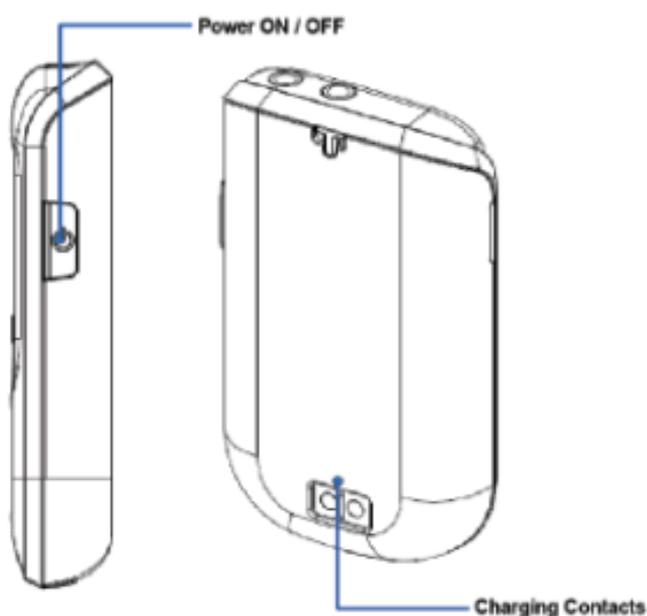
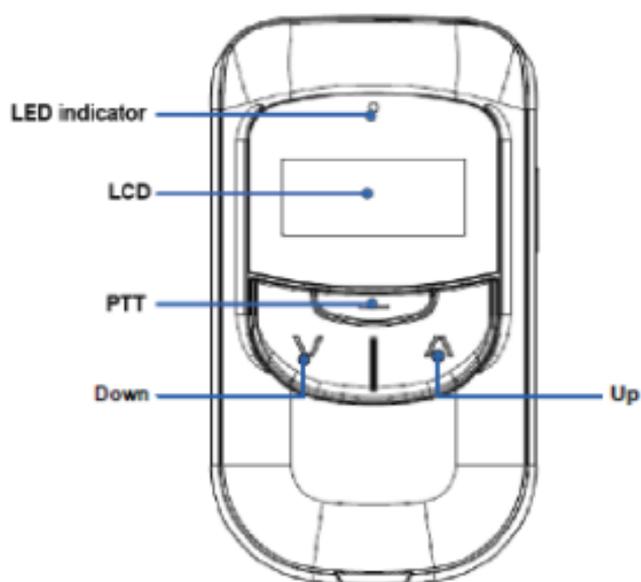
- Plug In Microphone for HE-P
- 20-slot multiple desktop charger
- 40-slot multiple desktop charger

2. Controls and Indicators

2.1 Listen&Talk-L (HE-L)



2.2 Listen&Talk-P (HE-P)



3. Operation

3.1 Power On/OFF

Press and hold the “Power” button longer than 2 seconds to turn the device power on.

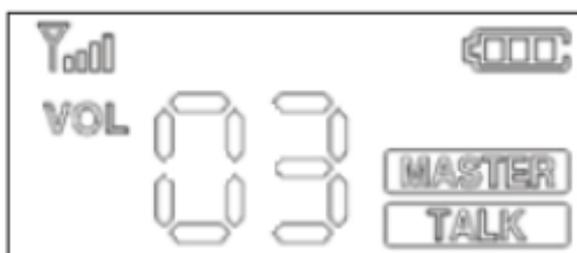
Afterward, press and hold the “Power” button longer than 2 seconds again to turn the device power off.

3.2. Listen&Talk-L (HE-L)

The transmission is starting automatically as soon as the power is turned on the device.

On the LCD, , vol 03, **MASTER** and **TALK** are displayed.

Its Group number has been set at “00” as a default.



Plug the Ear set Boom Microphone into the  jack.

Adjust the desired volume level by press ▲ ▼

Set the Group number to be an equal between the Listen&Talk-L & Listen&Talk-P and use the device.

3.3. Listen&Talk-P (HE-P)

On the LCD, , vol 03 are displayed when the device power on.

The Volume level and Group number have been set at "03" and "00" as a default.



Plug the optional Plug Microphone into the  plug and the earphones into the  jack.

Adjust the desired volume level by press  

Set the Group number to be an equal between the Listen&Talk-L & Listen&Talk-P.

Press the PTT button longer than 1 second and talk when you want to talk to the leader.

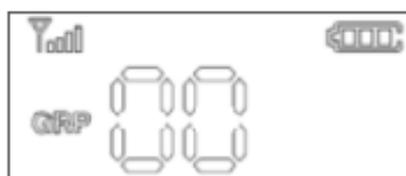
ON Air y **TALK** are displayed when the transmitting is activated successfully.

ON Air on the LCD is displayed for the moment when any one of other members is talking by press his PTT button earlier than you. In that case, you need to wait until **ON Air** disappeared.

If you pressed the PTT button while **ON Air** was displayed, the PTT is not activated with a beep alert.

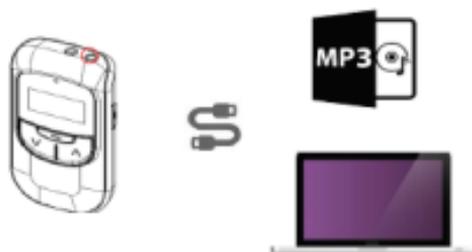
3.4 Group selection on Listen&Talk-L and Listen&Talk-P

With 'HE-L' y el 'HE-P', press and hold the ▲ or ▼ button longer than 2 seconds. The "GRP" on the LCD is blinking. Choose the Group number by pressing ▲ or ▼ and then release all the buttons longer than 2 seconds to fix it. The blinking of "GRP" on LCD is stopped and the newly selected Group number is displayed.



3.5 Line In on Listen&Talk-L (HE-L)

It is available to publish with a music background. Connect the cable between Line In and external audio source by using the Line In cable and adjust the volume level of music appropriate.



Note: The Line In cable couldn't be working. It is dependent on the wire diagram of external audio source.

Please pay attention to match the wire diagram between the Line In of Listen&Talk-L and the external audio source correctly.

4. Battery

The rechargeable Li-Ion battery 3.7V, 800mA is installed in each device, Listen&Talk-L and Listen&Talk-P.

Plug the USB charging cable into the USB port and recharge the battery.

The Red color LED in the right side top corner of device is turned on during the charging and turned o automatically when the battery is fully charged.

5. Specifications

Radio Frequency Type

ISM 2403 MHz ~ 2480 MHz

Type

Full duplex communication

Interface radio

ISM 2.4GHz: GFSK Modulation with Frequency Hoppingng

Voice Codec

16 KHz / 16 bits

Tx Max Output Power

10 mW

RX Sensitivity

-95 dBm

Voice Latency

< 20 ms

Num. of Frequency Channel

80

Channel Spacing

500 KHz

Data Rate

500 Kbps

Freq. Bandwidth

500 KHz

Battery

Li-Ion, 3.7 V 800 mA

Antenna

Internal Chip Antenna

Autonomía

10 hours typically

Distance Range (LOS)

Hasta 150 m.

Frequency response

50 Hz ~ 8 kHz

Maximum operation Transmitters

2 Transmitters simultaneously

Dimensione

50 x 88 x 15 mm.

Weight

60 grs.

EU DECLARATION OF CONFORMITY

FALCON RADIO & ACCESSORIES SUPPLY, S.L. ID no.: B-60565314.

C/ Vallespir, nº 13. Poligono Industrial Fontsaeta.

08970 San Joan Despí - Barcelona (SPAIN).

Phone no.: (+34) 934 579 710 - Fax no.: (+34) 934 578 869 - www.telecomfalcon.com

Product description:

Equipment:	2.4 GHz Full-Duplex Intercom
Brand:	ESCOLTA
Model:	BRAVO HE-L/P
Manufacturer:	Falcon Radio & Accessories Supply, S.L.
Made in:	Korea

The product complies with the provisions of the European Directives:

- Directive 2012/19/EU of the European Parliament and of the council of 4 July 2012 on waste electrical and electronic equipment (WEEE).
- Directive 2011/65/EU of the European Parliament and of the council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).
- Directive 2014/53/EU of the European Parliament and of the council of 16 April 2014 on the harmonization of the laws of the member States relating to the making available on the market of radio equipment and repealing Directive 1999/05/EC. The standards granting presumption of conformity are:
 - ETSI EN 300 328 V2.1.1 (2016-11).
 - ETSI EN 301 489-1 V2.1.1 (2017-02).
 - ETSI EN 301 489-17 V3.1.1 (2017-02).
 - EN 60950-1 (2006) + A11 (2009) + A1 (2010) + A12 (2011) + A2 (2013).
 - EN 62479 (2010).



Sant Joan Despí-Barcelona (Spain), 2019 January 16

Xavier Falcon Vilaplana & Lluís Falcon Vilaplana, Managers
FALCON RADIO & A.S., S.L.



Waste disposal. Directive 2012/19 / EU

Information on waste disposal of electrical and electronic equipment (WEEE).

This symbol on the product means that the electrical and electronic products used must not be mixed with household waste. For proper treatment, recovery and recycling, take this product to designated collection points where it will be accepted for free.

The correct disposal of this product will help save valuable resources and prevent possible negative effects on human health and the environment, which could otherwise arise from the improper handling of waste..

Contact your local authority for more information about the nearest collection point. Sanctions may be applied for the incorrect disposal of this waste, in accordance with its national legislation.

You can also send the transceiver and the battery to our warehouse. Postal fees must be paid by the sender.



This product complies with Directive 2011/65 / EU about restrictions on the use of certain hazardous substances in electrical and electronic equipment.

Permitted use in the following European Union States

AT	BE	BG	HR	CY	CZ	DK
EE	FI	FR	DE	EL	HU	IE
IT	LV	LT	LU	MT	NL	PL
PT	RO	SK	SI	ES	SE	UK