User Manual

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USER MANUAL (MCS-900)

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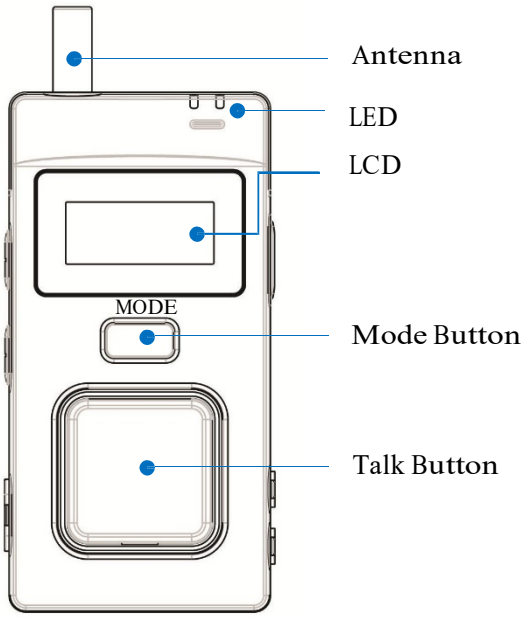
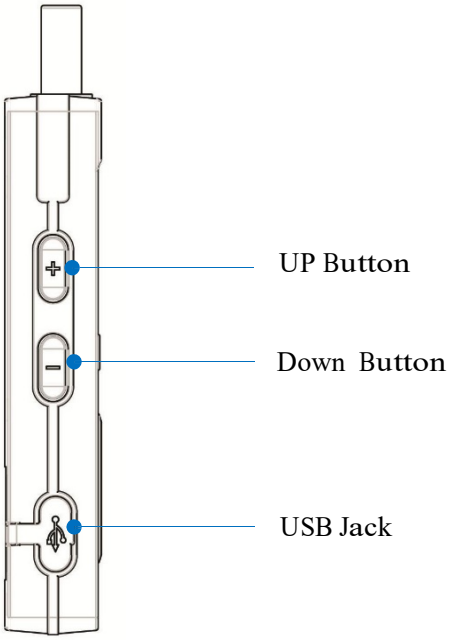
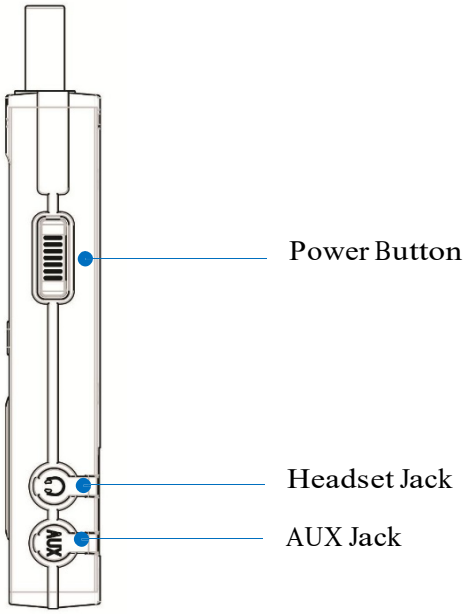
1. Intercom Features







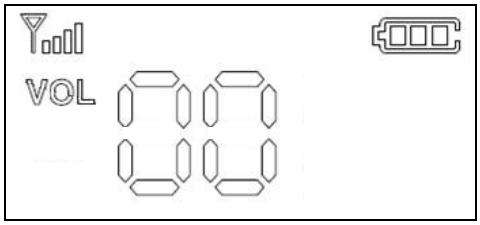
1.1. Buttons

Button	Function Description
Power	Power ON/OFF
Talk	Talk channel On/Off
Mode	To set group mode or ID mode
Up	VOL : To set volume level higher
Down	VOL: To set volume level lower

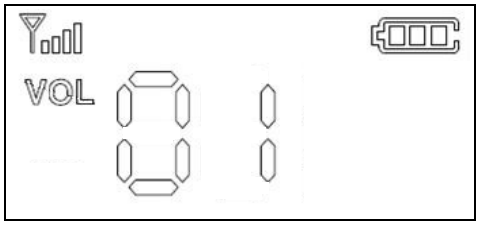
1.2. Volume Control

MCS-900 intercom has volume control function that serves user to change volume level wanted.

- How to set
  - VOL is displayed right after power is turned on. The default mode is volume control mode



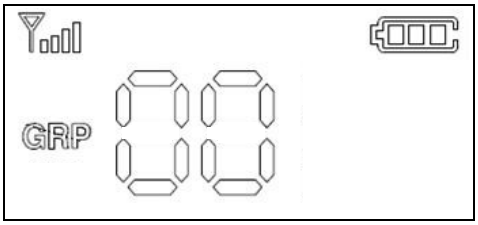
  - In Volume mode, volume can be set with UP/DOWN button in the range of 0 ~ 6.



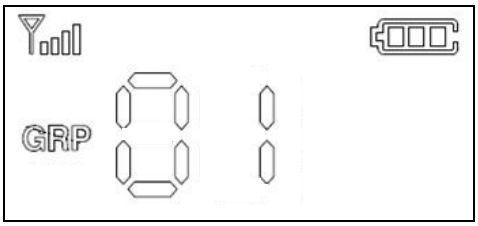
1.3. Group setting

MCS-900 intercom has group setting function that serves user to change group to communicate.

- How to set
  - After turned on, phone is in volume control mode.
  - To change volume mode into group mode, press Mode buttons Long.



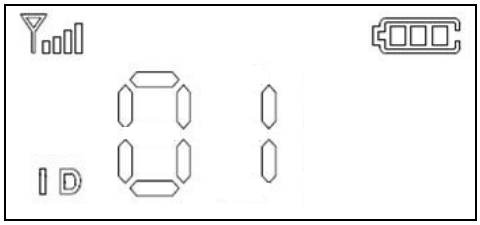
- In Group mode, group can be set with UP/DOWN button in the range of 0 ~ 51.



1.4. ID Setting

MCS-900 intercom has ID setting function to communicate with each other. Each intercom has to have an unique Identification number in the same group and Master's ID must be set "00" .

- How to set
  - After turned on, phone is in volume control mode.
  - To change volume mode into group mode, press Mode Button Long
  - Press Function button to move ID change mode as below.



  - In ID change mode, ID can be set with UP/DOWN button in the range of 0 ~ 99.

1.5. TALK Function

MCS-900 intercom serves TALK function to let users start to talk with others. In case of Master, the default talk mode in ON, and in case of Slaves the default talk mode is in inactive state. Therefore Master can start to talk after power is turned on, Slaves are required to press Mode button then Talk function is activated. Talk function is available in 5 phones including Master at the same time. While 4 slaves are using Talk, if another slave tries to talk by pressing mode button, Master persons can keep talking.

release one of 5 slaves that accessed first and allows the latest one to use Talk. In this way 5

Compliance to FCC US/CAN

- This device complies with Part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s).
- 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 of the device.
-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 encouraged to try to correct the interference by one or more of the following measures :
  . Reorient or relocate the receiving antenna.
  . Increase the seperation 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.
- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

WARNING !

FCC Radiation Exposure Statement :

This portable eauipment with its antenna complies with FCC's RF radiation exposure limit set forth for an uncontrolled environment.

To maintain compliance follow the instruction below;

- This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter.
- Avoid direct contact to the antenna, or keep it to a minimum while using this equipment.

This device complies with RSS-210 of the Industry Canada 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.

Ce dispositif est conforme a la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage prejudiciable, et (2) ce dispositif doit accepter tout brouillage recu, y compris un brouillage susceptible de provoquer un fonctionnement indesirable.

FOR PORTABLE DEVICE USAGE (<20cm from body/SAR needed)

Radiation Exposure Statement

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Declaration d'exposition aux radiations :

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada etablies pour un environment non control. Le produit est sur pour un fonctionnement tel que decrit dans ce manuel. La reduction aux expositions RF peut etre augmentee si l'appareil peut etre conserve aussi loin que possible du corps de l'utilisateur ou que le dispositif est regle sur la puissance de sortie la plus faible si une telle fonction est disponible.

1.6. SPECIFICATIONS

ITEM	***SPECIFICATION***
Radio Frequency Type	ISM 903MHz ~ 926.5MHz
Type	Wireless Intercom Unit
Modulation	FHSS
Voice Codec	16bit/8KHz
Rx Sensitivity	-95dBm
Voice Latency	< 100ms
Data Rate	250Kbps
Battery	Li-ion Battery @3.7V/ TBD 1100mA
Antenna	Helical Antenna
Talk Time for Microphone	10hr Typ.
Power Consumption(Microphone)	Avg. 100mA
Distance Range(LOS)	300M @ Class 1
Frequency response	50 Hz ~ 4 kHz

CAUTION

MCS-900 is put in the pouch on offer and attached to the waist.
Also the MCS-900 should not be used in other places than the waist.

Identification

- FCC ID : YJH-MCS-900
- Canada IC : 9066A-MCS900

Product reference

USA/Canada : MCS-900

Authorised representative in Canada

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