

# **MC-11 USER MANUAL**

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	Title	MC-11 Intercom User Manual	Version	V1.0
			Release	2015.10.

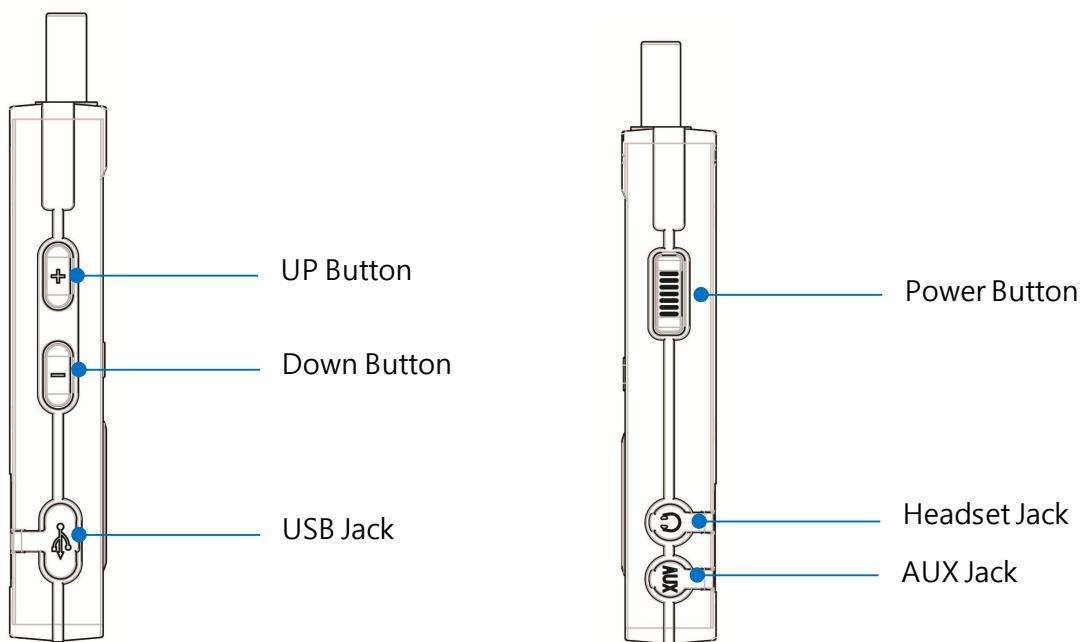
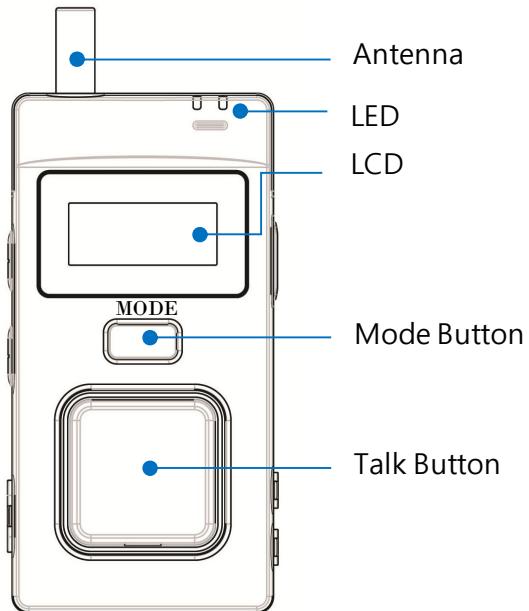
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## 1. MC-11 intercom Features



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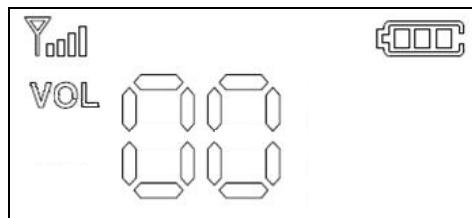
## 1.1. Buttons

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

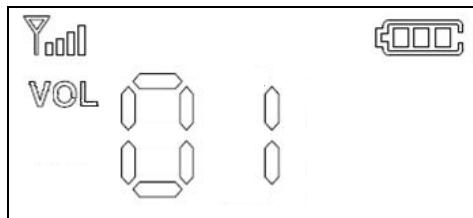
## 1.2. Volume Control

MC-11 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.



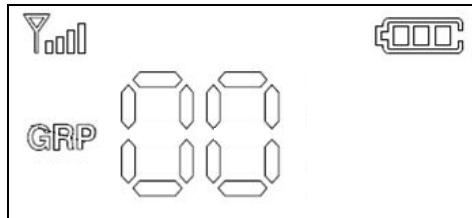
## 1.3. Group setting

MC-11 intercom has group setting function that serves user to change group to communicate.

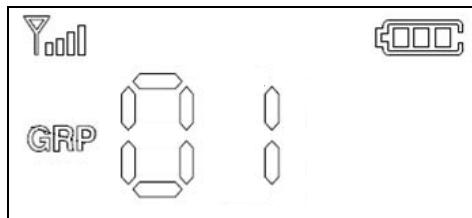
- How to set
  - After turned on, phone is in volume control mode.
  - To change volume mode into group mode, press Mode buttons Long.



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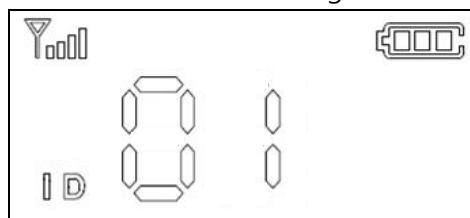
- In Group mode, group can be set with UP/DOWN button in the range of 0 ~ 51.



## 1.4. ID Setting

MC-11 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

MC-11 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 release one of 5 slaves that accessed first and allows the latest one to use Talk. In this way 5



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persons can keep talking.



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## 1.6. SPECIFICATIONS

<b>ITEM</b>	<b>SPECIFICATION</b>
<b>Radio Frequency Type</b>	ISM 903MHz ~ 926.5MHz
<b>Type</b>	Wireless Intercom Unit
<b>Radio Interface</b>	ISM 2.4GHz: GFSK Modulation with Frequency Hopping
<b>Voice Codec</b>	16bit/8KHz
<b>Rx Sensitivity</b>	-95dBm
<b>Voice Latency</b>	< 100ms
<b>Data Rate</b>	250Kbps
<b>Battery</b>	Li-ion Battery @3.7V/ TBD 1100mA
<b>Antenna</b>	Helical Antenna
<b>Talk Time for Microphone</b>	10hr Typ.
<b>Power Consumption(Microphone)</b>	Avg. 100mA
<b>Distance Range(LOS)</b>	300M @ Class 1
<b>Frequency response</b>	50 Hz ~ 4 kHz

## MC-11 Channel Table

Frequency range : 903MHz ~926.5MHz

Channel	Frequency	Channel	Frequency	Channel	Frequency
0	903	20	913	40	923
1	903.5	21	913.5	41	923.5
2	904	22	914	42	924
3	904.5	23	914.5	43	924.5
4	905	24	915	44	925
5	905.5	25	915.5	45	925.5
6	906	26	916	46	926
7	906.5	27	916.5	47	926.5
8	907	28	917		
9	907.5	29	917.5		
10	908	30	918		
11	908.5	31	918.5		
12	909	32	919		
13	909.5	33	919.5		
14	910	34	920		
15	910.5	35	920.5		
16	911	36	921		
17	911.5	37	921.5		
18	912	38	922		
19	912.5	39	922.5		

## **FCC Information to User**

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 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.

## **Caution**

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**FCC Compliance Information :** 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

## **IMPORTANT NOTE:**

### **FCC RF Radiation Exposure Statement:**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

The antennas used for this transmitter must be installed to provide a separation distance of at least 5mm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

## CAUTION

To reduce the risk of electric shock, do not remove the top cover (or the rear section).  
No user serviceable parts inside, refer servicing to qualified personnel.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure-voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to the important operating and maintenance instructions in the accompanying literature. Please read the manual.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this equipment near water.
- 6) Do not use near any heat sources such as radiators, heat resistors, stove, or other equipment that produce heat.

**CAUTION**  
**RISK OF EXPLOSION IF BATTERY IS REPLACED  
BY AN INCORRECT TYPE.**  
**DISPOSE OF USED BATTERIES ACCORDING  
TO THE INSTRUCTIONS**

### European CE notice to users and product statements

This product is CE marked according to the provisions of the R&TTE Directive(99/5/EC). Hereby, Maytel Co., Ltd declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

For further information, please contact <http://swmaytel@naver.com>

**CE1177**

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## **CONTACT INFORMATION**

Manufacturer Address : 417 Doosan Venture Digm 126-1, Pyeongchon-dong, Dongan-gu, Anyang-si, 431-070, South Korea

To locate in-country Maytel Co., Ltd, distributors of the Multicom please refer to the Maytel Co., Ltd Website  
[http://swmaytel@naver.com](mailto:http://swmaytel@naver.com)

These distributor(s) represent local contacts for this product.

### **CORPORATE HEADQUARTERS:**

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This device complies with Industry Canada license-exempt RSS standard(s).

Operation is Subject to the following two condition: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**EUROPEAN UNION “DECLARATION OF CONFORMITY”**

**DECLARATION OF CONFORMITY**

**Maytel Co., Ltd**

417 Doosan Venture Digm 126-1, Pyeongchon-dong, Dongan-gu, Anyang-si, 431-070, South Korea

declare under our sole responsibility that the product(s)

Multicom – MC-11

to which this declaration relate(s) is in conformance with the following standards:

EN 301 489-1 V1.9.2:2011

EN 301 489-17 V2.2.1:2012

EN 60950-1:2006/A2:2013

EN 300 328 V1.8.1:2012

following the provisions of the 1999/5/EC Directives.