

INTRODUCTION ISM1600H3/A (Mobile model) and ISM1600H4/A (DESKTOP Model)

Congratulations on your purchase of the new high end Smart Mobile intercom system!

Please read these instructions carefully before installing your Smart Mobile intercom system.

Now we proudly introducing a Mobile Phone model intercom and it works just like a private cell phone network. Working Range 300m - 1000m without any cabling.

It is just like an ordinary mobile phone handset but do not require any SIM card or subscription or rental. And do not require any mobile tower / central exchange / PBX box / central box. But it will simply work as a Private Mobile Network. Expandable up to 1000 handset any time.

This is a 900MHz ISM Band Intercom system, which works in World Licence free Open Band. You can dial and communicate between our Mobile or our Desktop intercom up to 1000 extensions. Each of the intercoms will be having the dialing facility of 1/2/3..9 digits numbers like 1,2,3..- 99999... It works just like normal Mobile/Land phone. Hear the dial tone by pressing CALL button / lifting the hand set and dial the required intercom number, then you can hear the ring back tone (only if the dialed number is ringing) and if the person press CALL button / lifts the hand set you can communicate each other. This wireless intercom is using Encrypted Random Automatic Frequency Hopping Technology, hence it has super Anti-Jamming capability and thus nobody can tap your conversation.. It has a range of about 300 / 1000 meter in open area, without any cabling. Battery backup facility is also available in Desktop model.

This instruction manual explains how to install, use and care your wireless intercom system in office, School, Hotel, Hospital, house or Villas or work place.

FEATURES:

- 900MHz ISM Band Wireless connection up to 1000 handset
- It is not using any normal Mobile Phone Band or Frequency
- Regulation Compliance : FCC Part 15, Part 68
- Long Distance coverage: 300m or 1000m
- Encrypted Adaptive Frequency Hopping Technology
- Super Anti-Jamming Capability
- Full Duplex communication
- Key Tone, Dial Tone, Busy tone Original Ring Back tone facility
- Broad Casting Facility and also selective Broadcasting
- Commanding/announcing facility to any handset
- User programmable 1/2/3..9 digit phone number
- User programmable Group ID number 000-999
- Loud and Selectable Ring tone
- 1.5W Audio out for external speaker application
- High Quality Electronic Circuit
- One Year Warranty

OPERATING INSTRUCTION:

Open the Handset Back cover and insert Battery. Then charge about 5 Hours first time with supplied adaptor. When battery is in full charge, the Red LED will be OFF. Now the ISM Band Mobile intercom is ready for operation. You can dial in TWO mode. Mode1: Press CALL button, Then you will get Dial tone. Then dial other mobile/Desktop intercom number. Then other intercom will ring and you will get ring back tone, Mode2: Dial other intercom number and press CALL button. Then other intercom will ring and you will get ring back tone. You can accept call by pressing CALL button or Lift handset from cradle (Desktop model). Caller can also announce his message by pressing again CALL button. When you dial any number, you will hear a Key Tone as a key acceptance indication. If the dialed number not available, you will get busy tone or No link tone

Please Note: It is 900MHz radio communication phone. So that Concrete / Glass / Metal object may cause lower range of transmission and reception.

If your phone is external antenna Model, please fix external antenna outside of the building close side of other intercoms antenna line of sight.

If your phone is Door phone model, When you press door lock open key button, the outdoor phone will produce 12V/1A for door unlock (Model ISM1600DP-Optional)

Power ON and OFF

- Press RED Button about 2 Sec for POWER ON / OFF. Please charge the battery in Power ON status. otherwise charger not work properly. When charging a Red LED will light up and start flashing after full charge. Please recharge Battery when getting Battery low tone in every 15 second.

SPECIAL OPERATION OF MODEL ISM1600H3/A and ISM1600H4/A

For making a call, Mode1: Press CALL button, listen for dial tone then dial required phone number. Mode2: Dial required phone number and press CALL button. You will get Key Tone for each number press. Now the dialed phone will ring and you will get original ring back tone. If the line is Busy or not available you will get a disconnecting tone. When the receiver press CALL Button / Lifts the handset (Desktop model), you can communicate each other.

- Paging: Dial wanted number and press CALL when ringing, press again CALL button or press "0", then you can Speak directly to receiver phone via Speaker phone.
- Broadcasting mode: Dial [F]30[F] and announce your message. Then all others can hear you message.

- 3.5mm Audio out socket you can use for external multimedia speaker

- Ring tone changing: Dial [F]21[F] for Ring tone 1, Dial [F]22[F] for Ring tone 2, Dial [F]23[F] for Ring tone 3..etc..

- Factory set Phone number will be printed on the back side of the phone. If you want, you can also change the number 0-999999999 as per your requirement. It is also possible to change "Group ID code" For details, Please read programming details given below. (In Desktop model, you can see [F] button on Key Pad)

Technical information:

- World Open ISM band ISM 900Mhz
- User programmable phone number 1-999999999
- User programmable Group ID code 000-999
- Number of channels: 100, and 2 slot per channel
- Frequency range: 905Mhz to 925Mhz
- Duplex procedure: Shock Burst TDMA
- Channel spacing: 200 kHz
- Bit rate: 250 kbit/s
- Modulation: Encrypted GMSK
- RF Transmission Peak Power: 10mW to 1000mW (automatic selection)
- Voice coding: Own codec, Shock Burst 100/S 8 kbit/s
- Operating range 300m/1000m
- Regulation Compliance : FCC Part 15, Part 68
- 3.7V, 1000mAh Li-Po Battery
- 10 hours Talk time, 5 days Standby
- Dimension 105 x 45 x 15 mm, Weight: 60gm
- Operating Temperature : -20 ~ 70C
- Humidity : 20 ~ 75%



(Note: - Specifications are subject to change without notice)

Programming : Warning!!! following setting Not recommended for Customer !!

Number of Digit setting:

You can choose between 1/2/.../9 digit numbers

Digit Setting: For One Digit: [F]0 1 2 3 [F], Two Digit: [F]0 2 2 3 [F].. Three Digit: [F]0 3 2 3 [F].. Nine Digit [F]0 9 2 3 [F].

ID Number Programming: [F]0 [F]n [F], (n= ID number 1/2/3..9 digit as per digit setting)

Then new number will be programmed and you will get acceptance tone. Now your number will be changed to a new number!!.. In case of any problem please repeat above step.

Group ID Programming: It is used to isolate same phone numbers in different groups with in the range limit

Warning!!! it is not required to change group ID programming by the user. It may result in the removal of your phone from your phone group and the rejoining may be difficult.

Group ID Number Programming: [F]0 * [F]nnn[F] (n= Group ID)

Hardware Testing: **ⓐ ⓑ ⓓ**

Factory Rest : [F]0 0 0 0 [F] warning!!! Not recommended for Customer !!