INTRODUCTION

Congratulations on your purchase of the new high end wireless intercom system!
Please read these instructions carefully before installing your wireless intercom system.

This is a 2.4Ghz ISM Band Intercom system, which works in World Licence free Open Band . You can dial and communicate between intercoms up to 1000 extensions . Each of the intercoms will be having the dialing facility of one, two or three digits numbers like 1,23,- - 999. It works just like normal Land telephone. Hear the dial tone by 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 lifts the hand set you can communicate each other. This wireless intercom is using Encrypted Automatic Frequency Hopping Technology, hence it has super Anti-Jamming capability and thus nobody can tap your conversation.. It has a range of about 300-400 meter in open area, without any cabling. We have also 1000m range models, and on request battery backup facility is also available.

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

FEATURES:

■ 2.4Ghz ISM Band Wireless Phone up to 1000 user
■ Long Range (open area) 300-500m and 1000m models
■ Broadcasting Facility: Caller can announce a message to all others at the same time
■ Paging Facility : Caller can either Ring or interrupt Ring and Speak directly to any other phone via Speaker phone.
■ Selectable Ring tone
■ Encrypted Adaptive Frequency Hopping Technology
■ Super Anti-Jamming Capability
■ Full Duplex communication
■ Key Tone, Dial Tone, Ring Back Tone facility
■ Simple Operation. Same as your Land Telephone
■ Water Proof Touch keypad
■ No mechanical Hook switch
■ Light weight phone
■ Universal SMPS power supply 60V to 250V AC or DC
■ Very low power consumption
■ High Quality Electronic Circuit
■ Battery Backup (optional)
■ One Year Warrantee
■ Door Phone model and School intercom model also Available

OPERATING INSTRUCTION:

Just insert the power cord of the Intercoms in to the 60~240 V AC outlet with in the range limit. Now the ISM Band wireless intercom system will be ready for operation. If power is OK , LED will go ON when you lift the Handset. And also you will get Dial Tone for dial ready indication. When you dial any number, you will hear a Key Tone as a key acceptance indication. After 1/2/3 digit number dial, automatically starts transmission and you will get "Ring Back Tone" if the dialed number is available. If not available, you will get busy tone or No link tone. and restore dial tone. If the phone power is OK, the LED will blink every 15 Second time.

Please Note: It is 2.4Ghz radio communication phone. So Install the phone near any open area like windows, door etc.. which is close to other phones, because Concrete or metal object may cause lower range of transmission and reception. And do not install the Intercom near microwave oven or any other WIFI or 2.4Ghz equipments. It may also cause interference or range reduction.
If your phone is external antenna Model, please fix external antenna outside of the apartment close side of other intercoms. 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 (if battery Enabled)
● Press Green Button for POWER ON. You can also use this button for reset function.

OPERATION OF MODEL ISM1600

For making a call, lift the handset, listen for dial tone and dial the required number just like a normal Land Telephone, 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 you will get a Busy tone. When the person lifts the handset, you can communicate each other. If the called person is busy or not reachable, you will get dial tone automatically for next attempt with out disconnecting phone.

● For Paging, Press ⓿. Caller can either Ring or interrupt Ring and Speak directly to any other phone via Speaker phone

● For entering broadcasting mode: Dial (F) ❸ ⓿ (F) and announce your message. Then all others can hear you Talk. For selective Broadcasting: Dial (F) ❸ ❶ (F) for 1 series, Dial (F) ❸ ❷ (F) for 2 series .. etc..

● 3.5mm Audio out socket for external multimedia speaker (Optional for School intercom)

● You can also change ring tone. Dial (F) ❷ ❶ (F) for Ring tone 1, Dial (F) ❷ ❷ (F) for Ring tone 2, Dial (F) ❷ ❸ (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 0~999 as pe your requirement. It is also possible to change "Group ID code" For details, Please read programming details given below.

Technical information:
● World License Free Open Band ISM 2.4Ghz
● Number of channels: 125 Duplex Channels
● Frequency range: 2.403 GHz to 2.485 Ghz
● Duplex procedure: Shock Burst TDMA
● Channel spacing: 512 kHz ● Bit rate: 250 kbit/s
● Modulation: Encrypted GFSK (Gaussian Frequency Shift Keying)
● RF Transmission Power: Approx. 100 mW / 1000mW
● Voice coding: PWM Shock Burst ADC 8 kbit/s
● Operating range 100m indoor, 300-400m open area (Open area 2Km on Request)
● Power supply: 60V to 250V AC/DC, 3 - 4 W
● Battery 3.7V / 900mAh Li-Poly (Optional) Standby - Up to 50 hours, Talk Time up to 10 hours
(Note: - Specifications are subject to change without notice)

Programming of Number and Group ID code:
Number setting:
You can choose between 1 , 2 or 3 digit numbers
Digit Setting: For One Digit: (F) ⓿ ❶ ❷ ❸ (F) , Two Digit: (F) ⓿ ❷ ❷ ❸ (F) . Three Digit: (F) ⓿ ❸ ❷ ❸ (F)

ID Number Programming: (F) ⓿ (F) n n n (F) (n= ID number 1 or 2 or 3 digit as per digit setting)
Then automatically new number will be programmed and the phone will restore to dial tone . Now your number will be changed to a new number!!. In case of any problem please repeat above step.
Group ID setting: 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 setting 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) ⓿ ✷ n n n (F) (n= ID number 1 or 2 or 3 digit as per digit setting)

Ring tone setting: Dial (F) ❷❶ (F) for Ring tone 1, Dial (F) ❷❷ (F) for Ring tone 2, Dial (F) ❷ ❸ (F) for Ring tone 3 .. etc..

Broadcasting mode: Dial (F) ❸⓿ (F) , or (F) ❸❶ (F) or, (F) ❸❷ (F) ,etc.. Hardware Testing: (F) ❶ (F)