

THODUKONICS

**MULTI-CHANNEL WIRELESS INTERCOM SYSTEMS
UP TO 16 STATIONS**

**MODEL M16
Owner's Manual**

INTRODUCTION

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

This instruction manual explain how to install, use and care for your wireless intercom system in office, home or works place

WIRELESS INTERCOM SYSTEM FEATURES

- Full duplex communication like a telephone. (No "Push and Talk")
- Intercoms expandable up to 16 numbers (16 stations)
- Cordless Operation (Electric power line communication)
- Easy Installation (Just plug and talk, no wiring)
- Works on 90~240VAC Power Line (in same electric phase with in same building)
- Digital Frequency multiplexing Technology
- Different channel and Different Security code (complete secrecy)
- High quality electronics circuit (long lasting)
- Loud and pleasant Ringing
- Original Ring back tone (no duplicate ring back tone)
- Both party ring cut off system
- Third party calling indication
- Simple Operation (Just plug and talk)
- Light weight Handset
- One year Warranty
- More details Please visit www.thodukonics.com

OPERATING INSTRUCTIONS

1. Power line Model (2 Pin Power cord)

Just insert the power cord of the Intercoms in to the 90~240 V AC outlet with in same phase circuit. Now the multi-channel intercom system is ready for operation. Please keep the 90~250 V AC outlets a minimum distances of 5 meters from other Electrical / Electronics Equipments, and also avoid same outlet for other usage, otherwise, it will affect and decrease the operating range. Do not plug the intercom to any powerstrips, surge protector or stabilizer, Inverter, But do directly plug to wall AC outlet.

2. Earth Line model (3 pin power cord)

Insert the three pin AC power cord in to the 90~250-volt AC outlets. Required proper earth/ground in the AC outlet and "Phase Line" must be on right side of the AC outlet and also neutral left side, earth/ground in center. Some case we can not provide 3 pin plug for AC outlet. In that case, you need connect your country 3 pin plug in the phone open power wire. (Please note: RED wire connect to phase pin then Black to neutral and Green to ground/earth). Now the system is ready for communication. You can use this model even if in different phase line with in same building.

*For making a call, lift the handset, listen for dial tone and dial the required number. (Please check dialing pulse from the LED) Now the dialed phone will ring. When the person lift the handset, you can communicate each other. If the called person is busy or not reachable, the phone automatically restore dial tone. So that not required disconnection for next attempt.
(Own phone number printed on back side the base unit.)*

SPECIFICATIONS

Input power	- 90~250 AC 50/60Hz 4~5W
Operating temperature	- 0°C to 40°C
Working range	- 50m -100m on same phase with in same building
Mass (approx.)	- 600 gm (each one)
Dimension (carton)	- 90x100x270 mm (Approx.)

Note - Specifications are subject to change without notice)

If you have voice disturbance or lower range / not working, then please check following

1. Power line Model (2 Pin Power cord)

- * Working in different phase? Please correct phase line.
- * Intercoms can not be plug into the powerstrip, surge protector or stabilizer, they must be plugged directly into the Wall AC outlet.
- * Using some electronics chock, CFL (ballast) making problem
- * Some Mobile Phone or emergency lamp, some other charger in charging condition
- * Some electronics equipment using SMPS
- * Using some high speed motor (mixie etc.)
- * Loose contact (in electric line or plug socket)
- * For testing purpose please power off all other electronic/electric equipments, then test intercom Now the phone will work perfectly. After that power ON other equipment one by one, then you can find out problem making equipment. Please move this equipment connection to another phase or connect 100~500uH inductor series of the equipment power supply line.
(You can also run separate 110/230V power wire for all this intercom)

2. Earth Line model (3 pin power cord) (Red wire=Live, Black wire= neutral, Green wire=Earth)

- * Please check earth connection of the AC outlet and also in the electric Earth/Ground
- * Please make sure "Phase/ Live" right side of the AC outlet and "neutral" Left side, "Ground" center pin of the outlet.
- * If your power supply neutral wire grounded in your building, Intercom will not work to out side of the building or in between building.
- * If you plug in dual phase (110V) AC outlet, the intercom not work perfectly

And also you can convert Earth Line model to "Single Core Wired" model Intercom:

Then it will work even if in different transformer or phase or building. Guaranteed working. and also you will get up to 5 KM range. For that, remove intercom's green wire from Earth/Ground terminal and connect green wire to a single wire. The single wire put one intercom to next intercom to next intercom. You can also use any existing wire like Land Telephone cable or old intercom wire or Cable TV wire outer shield etc... Because through this wire only passing RF signal. There is No any high Voltage

More details Please visit www.thodukonics.com