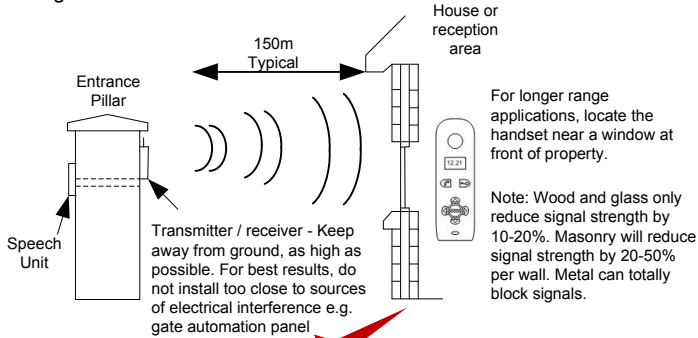# Installation Manual

for
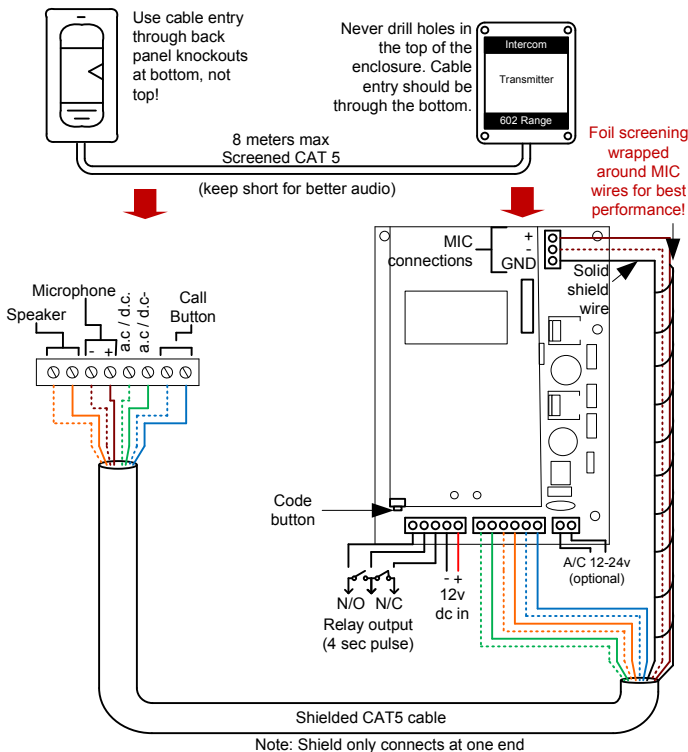## 603CL Wireless Intercom System

Installation

1) Before installing fully, test the range of the system. Wire the unit as per wiring diagram, place the equipment in the desired location and test operation.

2) Ensure that the gate transmitter / receiver unit is installed to facilitate line of sight with the property or reception area. To achieve best results, mount the unit as high as possible from the ground. Should you need to extend range, you can mount it on a small pole to elevate it a few meters from the ground.

150m Typical

House or reception area

Entrance Pillar

For longer range applications, locate the handset near a window at front of property.

Note: Wood and glass only reduce signal strength by 10-20%. Masonry will reduce signal strength by 20-50% per wall. Metal can totally block signals.

Speech Unit

Transmitter / receiver - Keep away from ground, as high as possible. For best results, do not install too close to sources of electrical interference e.g. gate automation panel

3) It is recommended to charge the handset for 7-8 hours before use.
4) Power up the handset after inserting the batteries.
5) Wire the door station and transmitter / receiver according to the diagram below..

Use cable entry through back panel knockouts at bottom, not top!

Never drill holes in the top of the enclosure. Cable entry should be through the bottom.

Intercom
Transmitter
602 Range

8 meters max Screened CAT 5
(keep short for better audio)

Foil screening wrapped around MIC wires for best performance!

Microphone
Speaker
a.c / d.c.
a.c / d.c.
Call Button

MIC connections
+ - GND
Solid shield wire

Code button

N/O N/C
Relay output (4 sec pulse)
- + 12v dc in
A/C 12-24v (optional)

Shielded CAT5 cable
Note: Shield only connects at one end

KEYPAD WIRING
Connect +12v and 0v to power connections on keypad. Use either fail safe or fail secure 12v d.c. outputs according to N/C or N/O requirements. For volt free requirements wire a slave relay to the required output.

Testing

1) Check all connections are correct before switching on the power.
2) Press the call button on the speech panel.
3) The handset should ring.
4) Press the 📞 button to answer the call and check two way speech.
5) Press 🔓 to check the door / gate release function works.
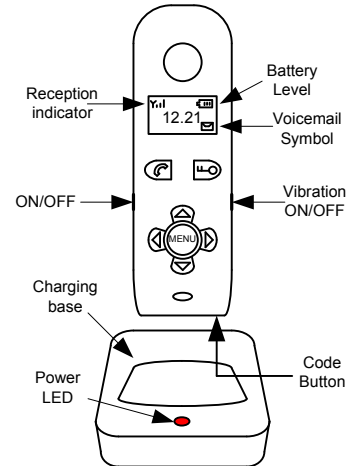
Handset & Operation

ADJUST VOLUME
Press △ or ▽ to adjust volume level, and press MENU to select and save.

CHANGE RING TONE
Press ◁ and the unit will ring under the currently select tone. Press ▽ and △ to cycle through available ring tones. Press MENU to select and save.

CHANGE LANGUAGE
Press ▷ and the unit will display the currently selected language. 1=English. Press ▽ and △ to cycle. Press MENU to select and save.

Reception indicator
Battery Level
Voicemail Symbol
ON/OFF
Vibration ON/OFF
Charging base
Power LED
Code Button

VOICEMAIL
When the door station is pressed, and not answered within 20 seconds, the visitor can leave a message. Once complete, the handset will display the ✉ symbol. Up to 16 messages can be saved.

To listen to voicemail, press MENU to play. If there are more than 1 message, press △ and ▽ to select the message required and press MENU to play.

◁ = Pause / Exit   ▷ = Continue   🔓 = Delete, long press = delete all.

SET TIME ON DISPLAY
Press MENU for 2 seconds. The hour digits will begin flashing. Press △ or ▽ to adjust. Press MENU to cycle from hour setting to minutes and repeat. Press MENU a third time to exit and save changes.

Coding another handset to the System

To add an extra handset to the system, follow the sequence below..
1) Press and HOLD the code button on the door station until the red strobe light on the top of the working handset begins flashing.
2) Press the MENU button on the working handset immediately to enable coding mode and allow other handsets to be coded.
3) Press and hold the Code button on the new handset until you hear a confirmation tone "Di-Do".
4) Once the door station lights stop flashing, then you can test the system by pressing the call button on the door station. The new handset should ring. If not, repeat the process from the top.