DTS Icom1000
GSM Intercom
Users Instruction Manual



DTS SECURITY
P.O.BOX 3399
EDENVALE
1610

Spartan +2711 392 5540
Pretoria +2712 361 5528

www.dtssecurity.co.za

Main features

- 1000 station GSM Intercom with simple unit number keypad calling.
- Up to 4 recipient names per unit can be selected to call from the LCD display.
- Auto 60 second call hang-up with 10 second beep warning.
- DTFM gate opening by call recipient (Press 9 on phone keypad).
- Missed call Access control of up to 1000 registered users.
- Gate alarm SMS to programmed recipients.
- Optional 7 day activity log reporting.
- Compatible with most GSM networks (Quad band).
- Operates from an 8 to 32VDC supply (Battery backup recommended).
- Vandal resistant & weather proof stainless steel housing (IP53).

Technical Specifications

Quad-band	850/900/1800/1900MHz
GPRS Multi-slot Class	12'1~12 configurable
GPRS Mobile station	Class B
Compliant to GSM	Class 4
Phase 2/2+	(2W @ 850/900MHz) Class1 (1W @ 1800/1900MHz)
Speaker	4ohm, 60mm Dia., (Waterproof Cone)
Audio	2W RMS (1% Distortion)
Microphone	10mm Dia., Electret (Echo cancellation)
Supply voltage range	8.0 t0 32VDC (12/24V nominal)
Operation temperature	-10ºC to +60ºC
Dimensions	135Width x 240 Height x 100mm Depth
Mounting	Wall or Gooseneck pole

Visitor Operation

1. The visitor will enter the complex unit or house number on the keypad and press the "#" key to enter. The system will search for up to 4 numbers registered to the entered unit number and sequentially display the resident names on the LCD display. The visitor can press the "#' key again to call the displayed name or use the "0" key to sequentially step through each registered name *(if the unit number has only one registered name then that name will be called on the first "#' key press)*.
   Note that the keypad entry will be cancelled if not entered within 20 seconds.

2. The calling ring tone will be audible from the intercom speaker *(the call will be cancelled if not answered within 30 seconds)*. When the resident answers the call the visitor will have up to 60 seconds to speak to the resident *(limit can be programmed from 15 to 180sec*). The resident can open the gate for the visitor by pressing key "9" on his/her cell or landline phone. A warning beep will be sounded 10 seconds before the 60 second cut-off time. The call will be cancelled by the visitor pressing the "*" key or the resident hanging up or the resident pressing key9 to open the gate.

Resident Operation

1. Up to 1000 permanent and temporary access names and telephone numbers can be registered with the Icom1000 system for time and day limited or unlimited access. A registered resident or employee can open the gate by calling the Icom1000 unit. The call will not be answered and hang up on the first ring *(as the call is not answered the operation is free)*.

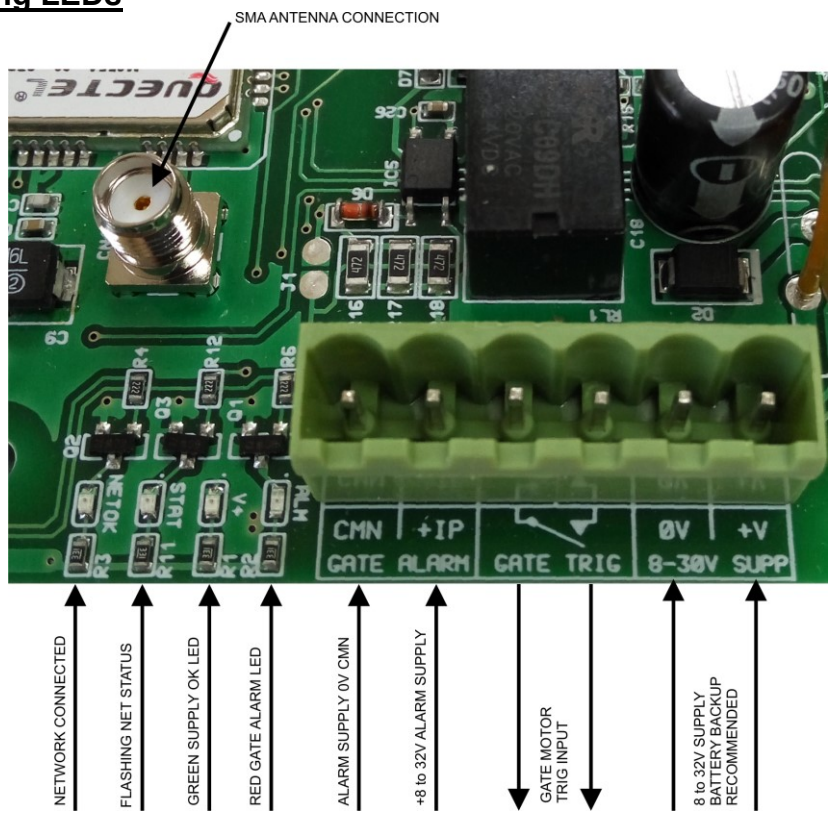
2. The gate alarm input can be configured to send a customised SMS alarm or warning message to up to 6 recipient numbers.

3. All device configuration and access list maintenance can be performed by using the free "My Gcom" portal at www.gcom500.co.za or by sending SMS command messages. Note that any data entered or changed on the "My Gcom" manager portal will overwrite any SMS entries; it is for this reason that we recommend using the portal only for devices with more than 20 users. A list of SMS configuration and programming commands can be found on the "My Gcom" portal.

Installation

To avoid problems cause by static discharge the intercom unit should be well earthed. To be effective, earth connections should be made with a minimum 2.5mm² copper wire to a ground point within 3 meters of the intercom. The ground point must be at an electrical panel, a metallic cold water pipe that runs in the earth, or a grounding rod driven at least 2 meters into the soil. A gooseneck mounting post anchored in concrete does not make a good ground. To allow for installation and maintenance the intercoms "tamper alarm" is armed on the 1st keypad operation. GSM signal strength can be viewed by entering code #00100 on the keypad *(reverts to normal display after 60 seconds)*.

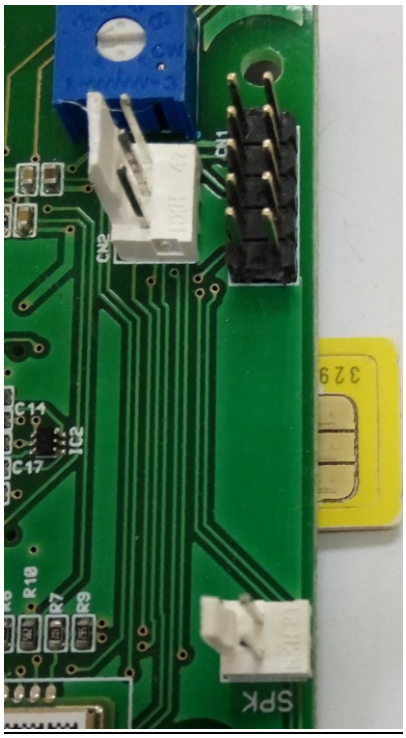
Wiring & Indicating LEDs



Antenna Connection

The Icom is supplied with a weather proof blade antenna with 1.5 meters of cable. To avoid DTMA noise *(buzzing sound on audio)* the antenna should me mounted outside of the steel enclosure and at least 1 meter away *(possibly low down on the rear of the gooseneck)*. Do not coil up loose antenna cable inside the housing.

Push-Push SIM Card Location



Icom1000 Warrantee

- All goods manufactured by DTS Security Products carry a 24 month factory warranty from date of invoice.
- All goods are warranted to be free from faulty components and manufacture. Faulty goods will be repaired or replaced at the sole discretion of DTS Security Products, free of charge.
- This warranty is subject to the goods being returned to the premises of DTS Security Products.
- This warranty excludes lightning damage, insect damage and damage caused by faulty installation.
- In the event of the goods being supplied by dealer, merchant, agent or duly appointed installer of DTS Security Products, the claim must be directed to that supplier.
- The carriage of goods is for the customer's account.
- This warranty is only valid if the correct installation and application of goods, as laid out in the applicable documentation accompanying said goods, is adhered to.
- All warranty claims must be accompanied by the original invoice.
- The liability of DTS Security Products and / or their distributors is limited as herein set out by DTS Security