



**WT-9002N
GSM Intercom**

USER MANUAL

INTRODUCTION

The WT-9002N is a GSM Intercom that comes with its own stainless steel external call point and when a visitor at the gate presses the “call” button, the system will call the numbers programmed regardless of the location of the telephone being called. The system can call up to 5 mobile phones or landline number in the order they were programmed.

Once the owner has responded by answering the call, the visitor at the gate and the owner can have a normal two way conversation voice communication. If the owner decides to allow the visitor to enter the premises, all the owner has to do is use speed dial to call the gate and the gate will open without incurring call costs.

The WT-9002N is also an access control system. You can register up to 5 users into the system and if any of these users calls the system, it will reject the call and open the gate without any cost of call. If the incoming call is not the registered user, the gate will not open.

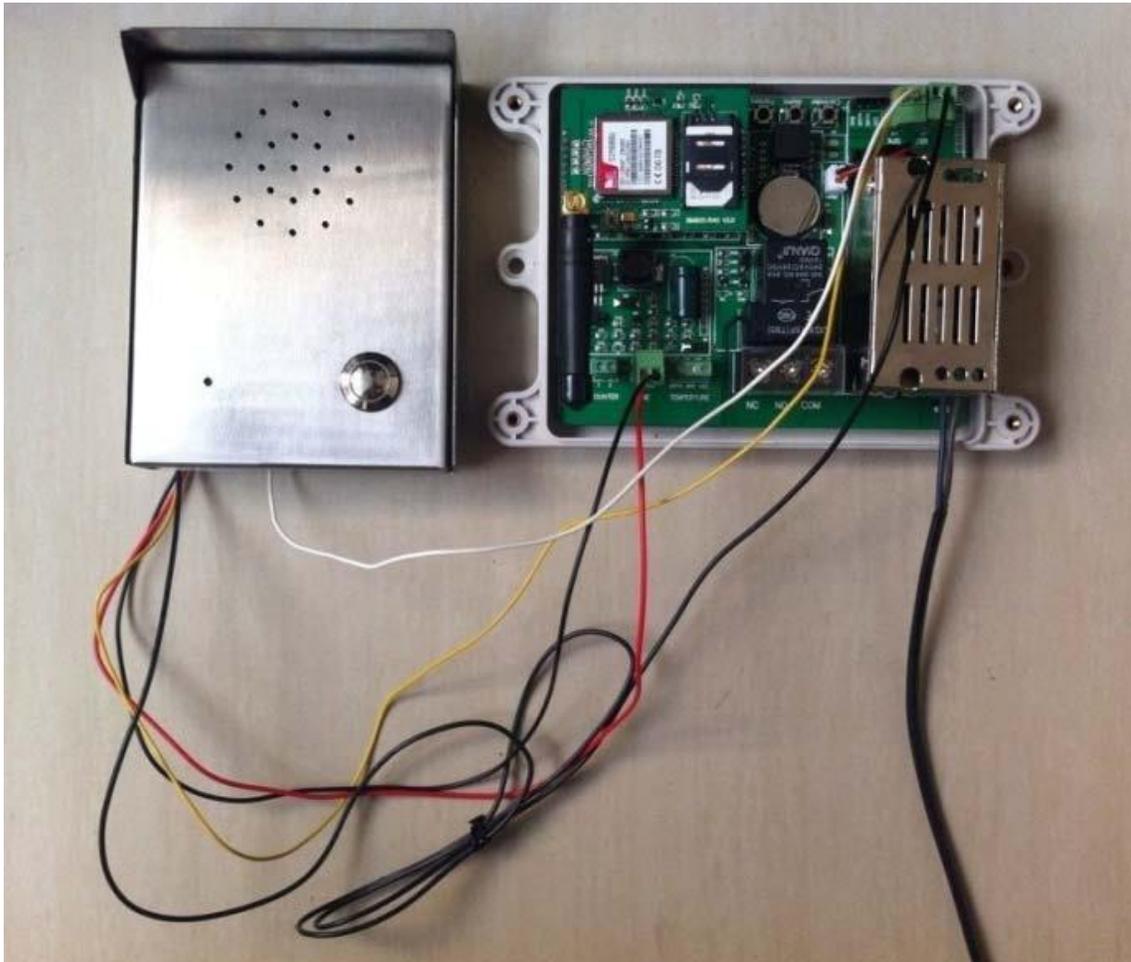
The system uses a CE and FCC approved industry internal power supply connected on board. A backup lithium battery can power up to 8 hours and will send a power down or power restored alerts in the event of any circuit’s power failure.

The interface is housed in a back flanged IP 65 rated enclosure and can be located and fixed without having to open the cover or requiring any internal fixings within the enclosure making a secure and waterproof installation giving maximum protection of the control equipment inside.

The call point is a two piece fixing with the shield located and fixed and the main intercom fascia locked into place and secured via the security fixing on the under frame of casing and again providing a very secure vandal resistant and waterproof housing.

It is advised the distance from the interface to the call point does not exceed 3 meters.

It is recommended that the GSM Intercom be programmed to operate as required before final installation.



Connection Details

Connector	1	2	3	4	5	6	7	8	9	10	11	12
Label	J16		J3			Power Supply			J17		J18	
Description	Line	GND	Relay Output			Power Supply Input			MIC -	MIC +	SPK+	SPK-
Details	Press Button Wire 1	Press Button Wire 2	NC	NO	Com	GND	N	L	MIC -	MIC +	SPK +	SPK -

PREPARING THE SIM CARD

All new SIM cards have to be registered with the network provider before they can be used, usually by calling the network provider or registering on their website please refer to the instructions supplied with your SIM card.

During the registration procedure a confirmation code or text message is usually sent to the SIM cards telephone number, to be able to read and react to the message you will need to insert the SIM card into an unlocked mobile phone.

After successfully registering the SIM card, ensure there is sufficient credit on the card for programming confirmation texts to be sent from the GSM Intercom.

You MUST ensure that the PIN request is disabled from the SIM card before inserting it into the GSM Intercom. If you do not disable the PIN request the GSM Intercom will not work. If the PIN request is not disabled and the unit is switched on more than 3 times you may have to reset the PIN using the PUK code which will have to be obtained from the service provider.

To check the PIN request status of your SIM card, place the card in an unlocked mobile phone, switch the phone on. If you are able to make calls without entering a PIN number the PIN request is disabled. If a PIN number is requested refer to the instructions supplied with the SIM card and then look through the phones options for the 'disable PIN request' and disable it.

You MUST disable any voicemail that is set up on the SIM card.

The SIM card is now ready to use.

Insert the SIM card and carefully close the carrier

When first booting up the system you will see green LED lights on the side of the enclosure and it should light up when the network is applied to the unit.

The green LED is the network indicator and this will light up when attempting to log on to the network flash inconsistently until it locates the network.

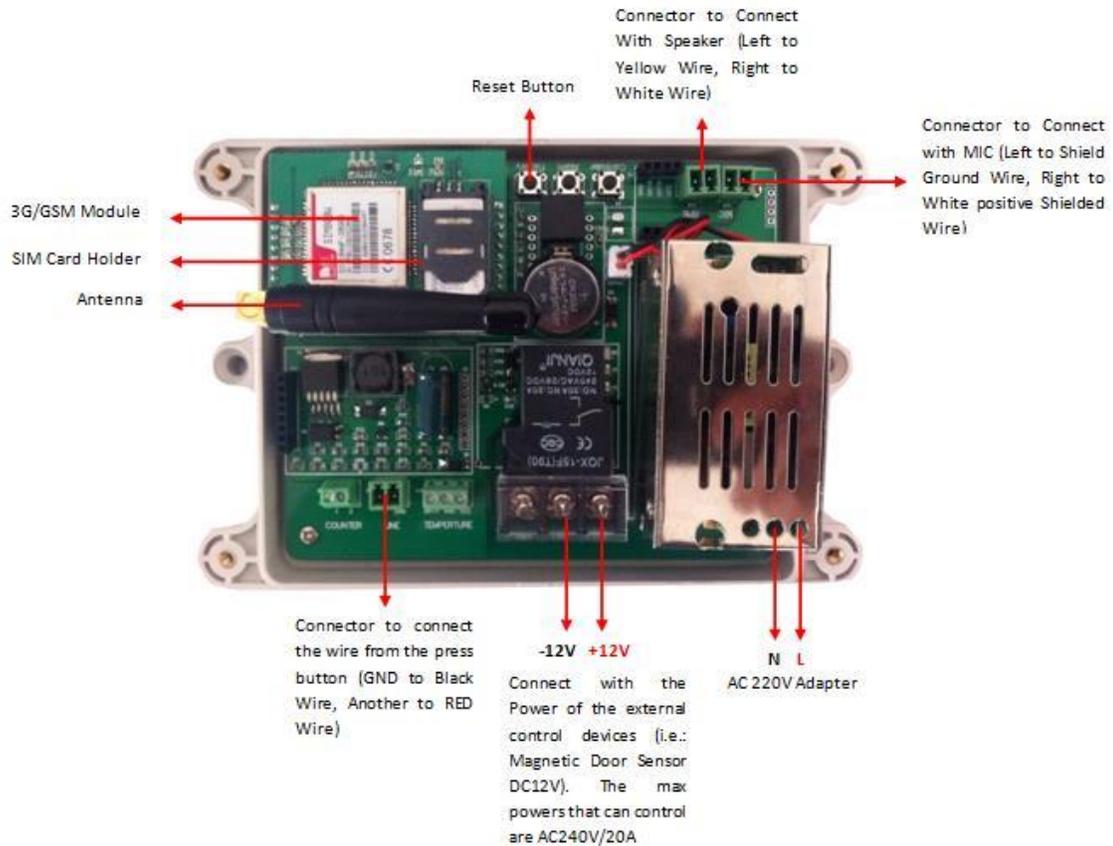
NO.	Description	SMS Programming Code	Example of SMS Text Response	Function
1	Enter programming mode. You only can perform the next commands after enter into programming mode.	*0*1234#	You get administrator privileges! 2013-10-09 00:33 Wed	When you enter *0*1234#, you enter into programming mode.
2	Change Password	*0*1234*new password# For example if you need to change to the new password of 1212. *0*1234*1212#	New password<1212> 2013-10-10 16:07 Thu	Maximum 4 digits of passwords
3	Add telephone number into the admin list.	*1*1*telephone number# For example set Admin number 18617185300 into admin 2 *1*2*18617185300#	Administrator: 1: 15989427391 2: 18617185300 3: 4: 5: 2013-10-10 16:08 Thu	Set Admin Numbers ; *1*1* - set 1st admin number *1*2* - set 2nd admin number *1*3* - set 3rd admin number *1*4* - set 4th admin number *1*5* - set 5th admin number
4	Check phone number you program in the list	*2*	Administrator: 1: 15989427391 2: 18617185300 3: 4: 5: 2013019019 16:09 Thu	
5	Delete an admin number	*3*N# N = Admin number 1- 5 For example, if you want to delete admin no 2. just enter *3*2#	Administrator: 1: 15989427391 2: 3: 4: 5: 2013019019 17:16 Thu	Delete Admin Number Delete 1st admin *3*1# Delete 2nd admin *3*2# Delete 3rd admin *3*3# Delete 4th admin *3*4# Delete 5th admin *3*5#

6	Check the relay status in ON or OFF Mode.	*4*	Master relay <ON> 2013-10-10 16:10 Thu	The unit will return Master relay <ON> if the relay is on. The unit will return Master relay <OFF> if the relay is off.
7	Check Signal Strength	*5*	CSQ<28> 2013-10-10 16:11 Thu	If the signal is too weak, the unit will not function properly. CSQ 5 – 12 Signal too weak CSQ 13- 24 Signal Good. CSQ 25–32 Signal Excellent.
8	Setting the year, month, day, hours, minutes, week	*12*YYYYMMDDHHMMX#	Time change OK! 2013-10-10 16:05 Thu	YYYY=4 digit for year MM = 2 digit for Month DD = 2 digit for Date HH = 2 digit for Hour MM = 2 digit for Minutes X=1-7(Day of the Week)
9	SMS Message when the system ON/OFF	*21*N#	Message switch <ON> 2013-10-10 17:06 Thu	N=0 Message OFF N=1 Message ON Factory Default as SMS Message ON
10	To receive SMS Message or not to receive SMS Message when the system is triggered by a phone call	*22*N#	After sending command *22*0# Status switch <OFF> 2013-10-10 17:10 Thu: After sending command *22*1# Master relay <ON> 2013-10-10 17:08 Thu:	N=0 Message OFF N=1 Message ON Factory Default as SMS Message ON

11	Security mode/ Open Mode	*23*N#	<p>When Setting as Security Mode *23*1# Mode switch <ON></p> <p>2013-10-10 17:13 Thu</p> <p>When Setting as Open Mode *23*0# Mode switch <OFF></p> <p>2013-10-10 17:13 Thu</p>	<p>N=1 Security mode. Only allow the numbers in the list to control the system.</p> <p>N=0 Open mode. Anybody can call to the unit to control the system.</p> <p>Factory Default is N=1 for Security Mode</p>
12	SMS Text Message to Switch On/Off Relay	*24*N#	<p>When Setting as *24*1# Master relay <ON></p> <p>2013-10-10 17:13 Thu</p> <p>When Setting as *24*0# Master relay <OFF></p> <p>2013-10-10 17:13 Thu</p>	<p>N=1 means switch on the relay by SMS Message</p> <p>N=0 means switch off the relay by SMS Message</p>

SPECIFICATIONS

Operation Voltage	12 volts DC
Operating Current	Maximum 500mA, typically 55mA
Relay Contacts	1 x Normally Open and Normally Closed Contacts maximum switching capacity 20 amps @230v ac per relay
GSM Frequency MHz	GSM 850, GSM 900, GSM 1800, GSM 1900
Humidity	Less Than 80% RH
Operating Temperature	-20c to 55c
Physical Size	130 x 100 x 50mm
Protection	IP 65 Weather Proof Casing
Approvals	C.E, FCC, ETSI



FACTORY RESET

If you required you can rest the system by simply pressing the button “FACTORY” on the control board until you hear the “du~” . This indicates the unit back to the factory default



Warranty

Witura Technology Sdn Bhd warrants the WT-9002N GSM Intercom against defective parts and workmanship. Witura Technology Sdn Bhd shall, at its option, repair or replace the defective equipment upon the return of such equipment to any Witura branch. This warranty applies ONLY to defects in components and workman-ship and NOT to damage due to causes beyond the control of Witura, such as incorrect voltage, lightning damage, mechanical shock, water damage, fire damage, or damage arising out of abuse and improper application of the equipment.

Note: Wherever possible, return only the PCB to Witura Service Centres.

The WT-9002N is a product of **Witura Technology Sdn Bhd** And is manufactured by **Shenzhen Witura Telecommunications Co., Ltd.**

WARNING

For safety reasons, only connect equipment with a telecommunications compliance label. This includes customer equipment previously labelled permitted or certified.