



**PLEASE READ BEFORE  
INSTALL**

**ECGO-G Cellular Telephone Entry**



**For your protection, read these instructions completely  
And keep them for future reference.**

**Thank you for purchasing ECGO-G. Please read this manual carefully before  
using.**

**Be sure to keep this manual for future reference in case of any problem or  
question should arise.**

## **IMPORTANT SAFTY INSTRUCTIONS**

When using this ECGO-G, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Please read the following before using your equipment.

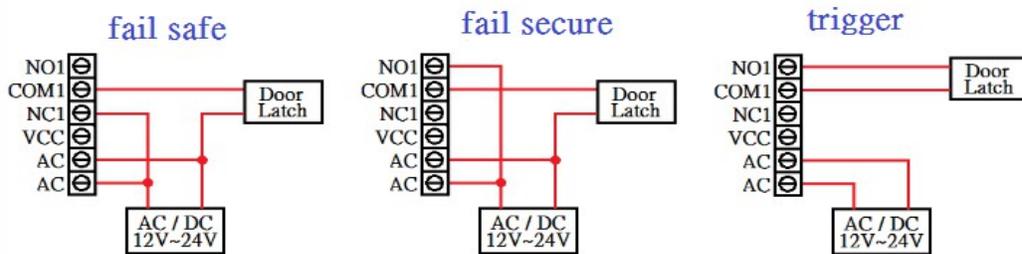
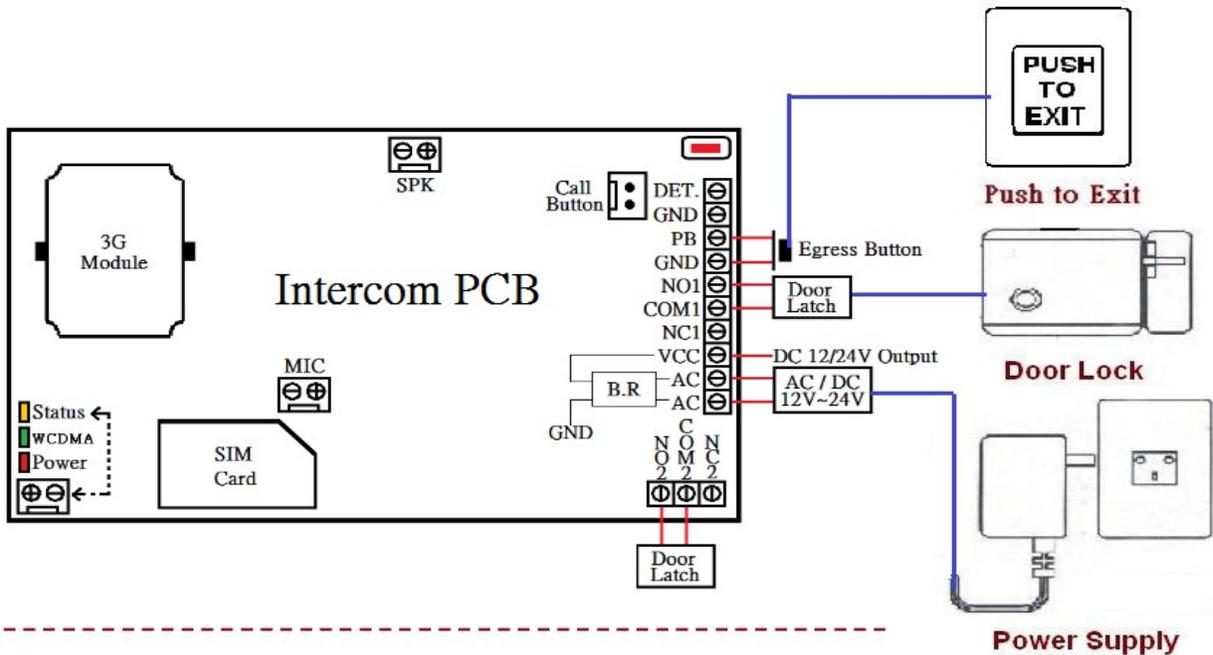
- Follow all warning and instructions on the product.
- Unplug all the connections of product before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- Do not use this product around Sprinkler outlets..
- Do not use this product near an area where there is a potential of gas leaks or near any fumes that can be explosive.
- Do not place this equipment near or over a radiator or any other heat source.
- Do not overload the wall outlet or power cord where the power adapter is installed. This can result in fire or electric shock
- Avoid spilling liquid on this equipment and do not insert any objects through the ventilation slots.
- Avoid using the equipment during an electrical storm. There is a remote risk of electrical shock from lighting.

## ECGO-G INTRODUCTION

The ECGO-G is a telephone entry system, installed at the entrance of a building or outside gate area. It is an ideal product replacing the traditional door/gate phone. It allows you to speak with visitors standing at the entrance of your company or house entrance from a remote location. A visitor, by simply pressing the Call button establishes a mobile call with you. During the call you will be able to activate two devices, whether it is gate or activating / de-activating any other devices by pressing appropriate digits.

This ECGO-G gives you the opportunity not only to know who is waiting at the entrance from a remote location but also to control the access point. Use of ECGO-G at your company or house does not require any special installation and wiring. Simply install the ECGO-G and connect out put to gate operator and power supply.

<b>ECGO-G Specification</b>	
Operating Voltage	12 to 24 Volt DC/AC
Operating Current	Maximum 250mA, Typically 55mA
Frequency	850/900/1800/1900 or 900/1800 MHz
Humidity	Less than 80% RH
Operating Temperature	-20°C to 50°C



**SIM card Standard Size Only**

Insert the SIM card into the SIM card holder and close it carefully. After Sims card is installed. Power unit up, the unit will beep, until it connects to the cell tower.

**Standard size sim card or Mini with adapter is acceptable Card AT&T or T-Mobile or any GSM network only 3G no 4G data needed**

**Needs Voice and Text Messaging only NO 4G DATA Needed Card must be activated at store. Make sure you get the Phone number to the Card**

## Power Supply

Connect a 12 volt DC power supply to terminals marked “12V~24V AC/DC”  
The ECGO-G is designed to work with power supplies 12V~24V AC/DC.

The power supply should be capable of supplying a constant current of no less than 1amp, a transformer is supplied

Connect the N/O and Common to the Gate Openers Open command

Be very careful to not damage antenna wire and use the supplied gasket for water tight

Seal damage to Antenna will cause failure and void warranty

### LED Status “ Indicator

LED	Status
Red (standby)	Flashing
Red (using)	Solid

#### • LED ‘Network “Indicator

LED	Status
Red (ready)	Flashes once per 3 seconds
Red (searching)	Flashes once per second
Red (busy)	Solid

#### • LED “ Power “ Indicator

LED	Status
Red (power on)	Solid
Red (power off)	Off

## Programming Via text with your cell phone

The ECGO-G has two Relays pending on the one connected it must be added to the programming of users and codes not needed to add the 3 owners to call number

**Add the owner of the gate Owner (Up to 3 owners)  
Programming Unit Via Text Messaging**

**You can use any text messaging method, your cell Phone  
Computer, Etc. Google Voice works great or [www.onlinetextmessage.com](http://www.onlinetextmessage.com). Just  
enter the programming codes into your text message (See Examples below). Type  
units phone Number (that came with sim card) then Type the code**

**Into the message box and hit enter or send message. Once  
This has been done your computer or your cell will receive a message from the  
Unit stating that the unit received the  
Message "OK" That's it your done. If you do not get the OK Message (up to 10-40  
secs)**

**You must resend text again.**

### **EXAMPLE**

#### Programming Owners

##### Programming Owners Phones up to 3 Numbers

**Add Owner 1 \*12\*1234#11 owners area code & phone number #**

**Add Owner 2 \*12\*1234#12 owners area code & phone number #**

**Add Owner 3 \*12\*1234#13 owners area code & phone Number#**

**So if owner 1 # is 8038316013 it should look like this \*12\*1234#118038316013#**

**Then just send it and wait till you get reply back OK "**

**Then proceed with owner 2 and 3 the same way**

**""""Owners Numbers MUST BE ADDED TO THE USER PROGRAMMING """"  
""""BEFORE NEW USERS OF GUESTS CAN BE ENTERED """"**

**Note the ECGO-G has two relays pending which one you connected you must  
program the relay in  
before the phone number of the user**

#### Programming USERS and OR GUESTS

##### Acts like a Keypad using Users Cell Phone

##### Programming CALL to Open Gate up to 1152 Users

**to add a user \*12\*1234#72(relay#) area code Phone Number #**

**Example cell number is 8038316013**

**\*12\*1234#7218038316013# then send text**

**ECGO Has 2 relay typical relay 1 is used and is on main terminal board**

**to delete a user \*12\*1234#73 (area code Phone) Number #**

**Relay to delete is not needed**

### **Check ECGO-G signal strength (0~30 levels)**

When a request for ECGO-G signal strength message is sent to the ECGO-G it will reply with a digit signal strength code. The code will be between 0~30 means the signal level is from poor to best. Signal strength lower than **level 14** may cause operational problems such as loss of speech quality (and possibly missing DTMF tones) and network loss.

Send text **\*20#** you will receive a text back stating signal strength

## **ECGO-G Operation**

When the visitor pushes the call button to activate the ECGO-G ring tone will be heard from the ECGO-G. At the same time connection is established with the phone number that is stored in the ECGO-G if the first number is busy or not answered the call can be diverted to the second and the third. The remote phone answers the call from ECGO-G and starts conversation with the visitors. During conversation press \* on your mobile Phone to open gate. # To Latch Gate Open, 1 to unlatch gate all within the allotted time of the conversation. If latched open and conversation is over, to unlatch simply text \*35\*5678# Provided your connected to relay 1 and the gate will time out and close.

### **Owners can Open, Hold Or Then Close there Gate Via Text Message**

Momentary trigger gate open \*33\*5678# If wired to relay 1  
Latch or Hold Relay: \*34\*5678# If wired to relay 1  
Release Relay: \*35\*5678# If wired to relay 1  
Momentary trigger gate open \*36\*5678# If wired to relay 2  
Latch or Hold Relay: \*37\*5678# If wired to relay 2  
Release Relay: \*38\*5678# If wired to relay 2

### **Check Relay Status**

You can send SMS Text to check relay status.

Send \*22#

Reply - Relay=off means gate is closed, Relay ON means gate is open or in Latch Mode

**EXAMPLE** Add a Friend/Guest \*12\*1234#72(relay#) FRIENDSNUMBER#  
“then send it”

In this Example 72 is the function code.

## Function Code Table

**Function \*21# will text back all numbers that are programmed in the ECGO-G**

No.	Feature	Function Code	Description	Default
1	Change password of Programming Mode	<b>01 + password#</b>	password:4 digit codes	1234
2	Change password of Access control Mode	<b>02 + password#</b>	password:4 digit codes	5678
3	Change password of Monitoring Mode	<b>03+ password#</b>	password:4 digit codes	1212
4	Store phone numbers of Owners (Max:3 numbers)	<b>1 + n + #+phone number#</b>	n=1st to call 2 = second to call 3 third to call + phone number of that owner	None
5	Speaker Volume	<b>3 + speaker volume#</b>	volume:0~4 levels	3
6	Microphone Volume	<b>4 + microphone volume#</b>	volume:0~4 levels	3
7	Relay Time	<b>51 + relay time#</b>	relay time= n *0.5sec n:1~9	1
8	Divert Time	<b>52 +divert time#</b>	divert time :10~99 sec (2 digit codes)	20 sec
9	Call Time	<b>53+call time#</b>	call time:005~999 sec (3 digit codes) Must enter 3 digits	060 sec
10	Ring in to open the door (Max: 1152 numbers)	(country code) <b>72+Relay #Add phone number#</b> <b>73+Delete phone number#</b> <b>73*#Delete all numbers</b>	Add number: 3~15 digit codes Del number: 3~15 digit codes	Default USA
11	Add administrator phone number for SMS programming	74+ TEL #, 3~15 digits see note below	To add administrator phone number ( no number no restriction)	None
12	Delete administrator phone number for SMS programming	74*#	To delete administrator phone number	None
13	Relay Trigger	<b>61 + N#</b>	X=0~9 / * / #	*
14	Relay Hold	<b>63+ N#</b>	X=0~9 / * / #	#
15	Relay Release	<b>64+ N#</b>	X=0~9 / * / #	1
16	Reset	<b>999#</b>	reset default	None

Note: when administrator number is programmed only that number can change it (be careful Only add admin if you know you will have access to that cell phone to change to a different admin)

**Hard Reset (for restoring unit to Factory )**

**Push Reset Button and Hold Jump PB and GND you will hear “DOU” Tones  
Power (up to 10 secs) remove Jumper. Returns unit back to factory default  
(This is only needed if you loose your passwords or codes )**

**Programming work sheet  
ECGO-G Cell Phone Entry System**

**SIM CARD NUMBER;** \_\_\_\_\_

**Owner 1 Number:** \_\_\_\_\_

**Owner 2 Number:** \_\_\_\_\_

**Owner 3 Number:** \_\_\_\_\_

**Phone Number of Users (Access to Property up to 1152)**

**User 1:** \_\_\_\_\_

**User 2:** \_\_\_\_\_

**User 3:** \_\_\_\_\_

**User 4:** \_\_\_\_\_

**User 5:** \_\_\_\_\_

**Pins 1:** \_\_\_\_\_

**Pins 2:** \_\_\_\_\_

**For technical help please call your certified Gate installing Dealer/Distributor  
ECGO Inc 704 768 2230**