

# **CONNECT SYSTEMS INCORPORATED**

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## **EMERGENCY ALARM SYSTEM**

### **User's Instruction Manual**

Made in U.S.A.

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**Version 2.00**

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## **GENERAL DESCRIPTION**

The FLEX EMERGENCY ALARM SYSTEM by Connect Systems Inc. is a fully automatic system that allows the user to initiate emergency calls from a radio by a single push of a button as well as the ability to use a hardwired panic button. A built-in LCD digital display allows the user to obtain the maximum power from the on-board microprocessor. All features are user programmable and/or selectable.

### **SETTING EVERYTHING BACK TO FACTORY DEFAULT**

If for some reason it is necessary to set the system back to factory default, plug a telephone into the programming jack in the back of the unit and enter the command **\*\*123456\*\***.

### **GETTING INTO PROGRAMMING MODE**

This product allows the user to unconditionally get into programming mode by pressing **##123456#** from the telephone attached to the programming jack in the back of the unit. Because the user has physical access to the unit at this time, security codes is not an issue. Remote access requires the use of a security code programmed in the unit. To get out of program mode, press **####**. Turning off the power before exiting the program mode might lose all data programmed so far.

### **DIFFERENT PROGRAMMING AREAS USED**

This product uses the following programming areas:

- Global Parameters
- Speed Dialing Parameters
- LCD Display Parameters
- Voice Prompts

### **GETTING ADDITIONAL INFORMATION**

The web site at [www.connectsystems.com](http://www.connectsystems.com) has this manual and other manuals. These manuals should be used in conjunction with this manual.

## DIAGNOSTIC MODE

### COS, SENSE, SQUELCH

By putting a jumper into JP9, the system will allow the user to determine the value to set the SENSE and COS inputs as well as adjust the squelch pot. The COS and SENSE inputs are used as hardwired emergency buttons. Because we are using the internal squelch and decoding a DCS type of signal, the RX Audio must be connected to the discriminator of the radio. When in this diagnostic mode, the display will look as follows:

```
-----  
|S|Q|U|E| | |C|O|S| | |S|E|N|S|E|  
-----  
|O|F|F| | | |1|3|7| | | |2|3|5| |  
-----
```

To generate the inactive value, the user releases the PTT on the mobile radio used for testing and observes the display. To generate the active value, the user presses the PTT on the mobile radio used for testing and observes the display. The value for the trigger voltage for the appropriate parameter is a value between the two values observed on the display.

The squelch pot is used for proper adjustment of the "SQUE". The results will be either on or off.

### DTMF

By putting a jumper into JP7, the system will allow the user to determine if the system is decoding DTMF properly. The top line will be used for decoding DTMF tones from the programming jack in the rear of the unit. This is useful if you cannot get into programming mode and you suspect it might be a hardware problem with either the FLEX EMERGENCY ALARM SYSTEM or the telephone connected to the FLEX EMERGENCY ALARM SYSTEM.

### FACTORY TEST

By putting a jumper into JP8, the factory test is performed. This allows Connect Systems Incorporated to do a complete test of the hardware with just a minimal amount of test equipment.

## GLOBAL PARAMETERS

TO PROGRAM

|  
V

TO DISPLAY

|  
V

### Programming Parameters

#### TELCO PROGRAMMING

\*0#01#J#

\*0#01\*

J = 0 = Disabled      J = 1 = Enabled

Default = 1

When enabled, the controller will allow a person to call in via the telephone and program the various parameters. If disabled, the controller will ignore any attempt to program the parameters via the phone line.

#### TELCO PROGRAMMING ACCESS CODE \*0#02#MMMMM#

\*0#02\*

MMMMMM = 000000 - 999999

Default = 123456

Code must be precisely six digits. This code is used to enter the programming mode from the telephone line.

### Level Control

#### DTMF TELCO LEVEL

\*0#03#MMM#

\*0#03\*

MMM = 0 - 255

Default = 255

This is the level the DTMF will be transmitted over the telephone line.

#### TELCO TO RADIO LEVEL

\*0#04#MMM#

\*0#04\*

MMM = 0 - 255

Default = 255

This is the level telephone audio will be transmitted over the radio.

#### RADIO TO TELCO LEVEL

\*0#05#MMM#

\*0#05\*

MMM = 0 - 255

Default = 255

This is the level radio audio will be sent over the telephone.

#### VOICE TELCO LEVEL

\*0#06#MMM#

\*0#06\*

MMM = 0 - 255

Default = 255

This is the level the voice prompts will be heard over the telephone.

#### RADIO GAIN

\*0#07#MM#

\*0#07\*

MM = 1 - 3

Default = 1

This is a digital preamp for the audio coming from the radio in case the audio has to be changed remotely or the level is too low.



**SPARE** **\*0#17#MM#** **\*0#17\***  
This parameter is not currently used

### OPERATING MODE SELECTION

**OPERATING MODE** **\*0#18#M#** **\*0#18\***  
M = 0 - 1 Default = 1  
This parameter enables or disables this product and sets the phone patch mode.  
Operating Mode = 0: Disable System  
Operating Mode = 1: Duplex Phone Patch

Simplex Phone patch is not used in this product because in an emergency situation, it is difficult to coordinate having only one person speak at a time.

### GENERAL PHONE PATCH OPERATING PARAMETERS

**MINIMUM ALARM TIMES** **\*0#19#MM#** **\*0#19\***  
MM = 10 - 99 in 1 second increments Default = 15  
This is the minimum time between alarms. If this number is set too low the alarm system might be able to be triggered multiple times with a single press of the alarm key. If the number is set too high then it will not be possible to have different alarms triggered in a short period of time.

**STATION IDENTIFICATION MODE** **\*0#20#N#** **\*0#20\***  
N = 0 - 3 Default = 1  
If 0, no station identification. If 1, then station identification on disconnect only. If 2, station identification on connect only. If 3, station identification on both connect and disconnect. ID is Morse Code.

**CW ID CALL SIGN** **0#21#AAAAAAAAA#** **\*0#21\***  
AAAAAAAAA Default = Blank  
Up to 10 ten digits for call sign. Any alphanumeric character accepted. If not valid CWID character, ignored.

**BUSY SIGNAL DISCONNECT** **\*0#22#J#** **\*0#22\***  
J = 1 = Enable, J = 0 = Disable Default = 1  
If enabled, a busy signal will disconnect the phone patch. If disabled, busy signal is ignored.

**BUSY DISCONNECT CYCLES** **\*0#23N#** **\*0#23\***  
N = 2 - 9 in 100 mS increments Default = 7  
This is the number of busy cycles for the system to disconnect if the busy signal disconnect parameter is enabled.

**DIAL TONE DISCONNECT** **\*0#24#J#** **\*0#24\***  
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J = 1 = Enable, J = 0 = Disable Default = 1  
If enabled, a dial tone will disconnect the phone patch. If disabled, dial tone is ignored.

**DIAL DISCONNECT TIME** \*0#25#MM# \*0#25\*  
MM = 20 - 99 in 100 mS increments Default = 70  
This is the time the dial tone must be active for the system to disconnect if the dial tone disconnect parameter is enabled.

**LINE CURRENT DISCONNECT** \*0#26#N# \*0#26\*  
N = 0 - 2 Default = 1  
Most phone systems will give a loss of loop current or line reversal when the phone at the far end hangs up. This is more reliable than waiting for dial tone or busy signal to generate a disconnect.

0 = Disable  
1 = Disconnect on loss of loop current  
2 = Disconnect on line reversal

**LINE DELAY** \*0#27#MM# \*0#27\*  
MM = 0 - 99 in 10 millisecond increment Default = 99  
This parameter is the time after the line relay has been pulled in to the line is steady as indicated by a constant current in the line sense detectors. The Line Delay default is 990 milliseconds.

**LINE DISCONNECT TIME** \*0#28#MM# \*0#28\*  
MM = 0 - 99 in 1 millisecond increment Default = 5  
This parameter is the time the loss of loop current must be stable to indicate it's a real disconnect and not just a momentary glitch. The Line Disconnect Time default is 5 milliseconds.

**TELCO COURTESY BEEP** \*0#29#J# \*0#29\*  
J = 1 = Enable, J = 0 = Disable Default = 0  
If enabled, the system will generate a momentary beep when the radio side stops transmitting and its time for the telephone side to start speaking.

**SPARE** \*0#30#J# \*0#30\*  
This parameter is not currently used

**AUX RELAY MODE** \*0#31#NN# \*0#31\*  
N = 0 - 31 Default = 7  
This parameter is used only in mode 1 or mode 2 of the alarm system. If the bit for that particular alarm function is 1 the AUX RELAY turns on when that function is activated and if the bit for that particular alarm function is 0 the AUX RELAY stays off when that function is activated. The following is the bit and functions of this parameter.

Bit 0 = Emergency Button 1  
Bit 1 = Emergency Button 2  
Bit 2 = Emergency Button 3  
Bit 3 = Sense Panic Button









## SPEED DIAL PARAMETERS

TO PROGRAM

|  
V

TO DISPLAY

|  
V

### Programming Parameters

#### SPEED DIAL NUMBER

**\*1#N#TTT..T#**

**\*1#N\***

TTT..T is the 1-16 digit speed dial number  
N = speed dial number.

default = blank

This area is used for programming the speed dial numbers for the emergency button 1. Up to 8 different speed dial numbers can be programmed. Each speed dial number can be from 1 to 16 digits long.

#### SPEED DIAL NUMBER

**\*2#N#TTT..T#**

**\*2#N\***

TTT..T is the 1-16 digit speed dial number  
N = speed dial number.

default = blank

This area is used for programming the speed dial numbers for the emergency button 2. Up to 8 different speed dial numbers can be programmed. Each speed dial number can be from 1 to 16 digits long.

#### SPEED DIAL NUMBER

**\*3#N#TTT..T#**

**\*3#N\***

TTT..T is the 1-16 digit speed dial number  
N = speed dial number.

default = blank

This area is used for programming the speed dial numbers for the emergency button 3. Up to 8 different speed dial numbers can be programmed. Each speed dial number can be from 1 to 16 digits long.

#### SPEED DIAL NUMBER

**\*4#N#TTT..T#**

**\*4#N\***

TTT..T is the 1-16 digit speed dial number  
N = speed dial number.

default = blank

This area is used for programming the speed dial numbers for the sense panic button. Up to 8 different speed dial numbers can be programmed. Each speed dial number can be from 1 to 16 digits long.

#### SPEED DIAL NUMBER

**\*5#N#TTT..T#**

**\*5#N\***

TTT..T is the 1-16 digit speed dial number  
N = speed dial number.

default = blank

This area is used for programming the speed dial numbers for the COS panic button. Up to 8 different speed dial numbers can be programmed.

programmed. Each speed dial number can be from 1 to 16 digits long.

### **Entering the Telephone Number**

The field is in the form of \*S#N#TT...T# as shown above. Telephone numbers can have the following numbers and symbols:

0	5	*	D
1	6	#	W
2	7	A	+
3	8	B	(
4	9	C	)

The "W" key is used for wait for dial tone. The "+" key is used for delay 3 seconds, and the "(" and ")" keys are used to delimit the telephone number to make it easier to read and has no effect on the dialing.

If you use a standard telephone keypad, the numbers and symbols are derived as follows:

0	press the 0 key
1	press the 1 key
2	press the 2 key
3	press the 3 key
4	press the 4 key
5	press the 5 key
6	press the 6 key
7	press the 7 key
8	press the 8 key
9	press the 9 key
*	press the 1 key for at least 3 seconds
#	press the 2 key for at least 3 seconds
A	press the 3 key for at least 3 seconds
B	press the 4 key for at least 3 seconds
C	press the 5 key for at least 3 seconds
D	press the 6 key for at least 3 seconds
W	press the 7 key for at least 3 seconds
+	press the 8 key for at least 3 seconds
(	press the 9 key for at least 3 seconds
)	press the 0 key for at least 3 seconds

If you have a keypad with the letters A - D, then those keys will generate A - D no matter how long or how short you hold down the key. The keys "\*" and "#" will act for as control functions no matter how long or short you hold down the keys.

A- D will generate DTMF tones A - D.





## LCD and CWID FIELDS

LCD and CWID fields require letters and numbers. Being that the telephone keypad has only 10 numbers, a method has to be used to accommodate all the letters, special characters, and numbers with only ten numeric keys. This is accomplished by pressing two numeric keys for each letter. As the user enters the second key, the display will show the equivalent letter, special character, or number. The table to accomplish this is shown below.

CHAR VALUE	CHAR VALUE	CHAR VALUE	CHAR VALUE
A 00	Z 25	y 50	- 75
B 01	a 26	z 51	+ 76
C 02	b 27	0 52	= 77
D 03	c 28	1 53	{ 78
E 04	d 29	2 54	} 79
F 05	e 30	3 55	[ 80
G 06	f 31	4 56	] 81
H 07	g 32	5 57	82
I 08	h 33	6 58	; 83
J 09	i 34	7 59	: 84
K 10	j 35	8 60	< 85
L 11	k 36	9 61	> 86
M 12	l 37	` 62	, 87
N 13	m 38	~ 63	. 88
O 14	n 39	! 64	? 89
P 14	o 40	@ 65	/ 90
Q 16	p 41	# 66	sp 91
R 17	q 42	\$ 67	sp 92
S 18	r 43	% 68	sp 93
T 19	s 44	^ 69	sp 94
U 20	t 45	& 70	sp 95
V 21	u 46	* 71	sp 96
W 22	v 47	( 72	sp 97
X 23	w 48	) 73	sp 98
Y 24	x 49	_ 74	sp 99

## VOICE PROMPT PARAMETERS

TO PROGRAM

|  
V

TO LISTEN

|  
V

### Programming Parameters

**VOICE PROMPT**

**\*8#N#**

**\*8#N\***

N = 0 - 9

This area is used for programming the voice prompts. Up to 10 different voice prompts can be programmed. Playback is always over the radio connection (Audio Out, Pin 4 of terminal block). If programming was initiated from the telephone line, the playback is also over the telephone line. The record time for each of the ten voice prompts is 12 seconds.

Voice Prompt 0: Emergency Button 1 Telco Announcement  
Voice Prompt 1: Emergency Button 2 Telco Announcement  
Voice Prompt 2: Emergency Button 3 Telco Announcement  
Voice Prompt 3: Sense Panic Button Telco Announcement  
Voice Prompt 4: COS Panic Button Telco Announcement  
Voice Prompt 5: Emergency Button 1 Transmit and PA Announcement  
Voice Prompt 6: Emergency Button 2 Transmit and PA Announcement  
Voice Prompt 7: Emergency Button 3 Transmit and PA Announcement  
Voice Prompt 8: Sense Panic Button Transmit and PA Announcement  
Voice Prompt 9: COS Panic Button Transmit and PA Announcement

## OPERATION

### **Emergency Mode 0**

When the button on the radio is pressed the system will recognize the emergency code. It will then turn on the aux relay for the time specified in the parameters.

### **Emergency Mode 1**

When the button on the radio is pressed the system will recognize the emergency code. It will then speed dial the first number, play the prerecorded message three times or until the recipient of the message presses any DTMF key on the telephone. It will then go to the next telephone number and repeat the sequence. It will continue all the messages are acknowledged by a DTMF key. Once a DTMF key by the recipient is pressed, it will not dial that telephone number again. To abort the dialing, cycle the power.

### **Dialing into the emergency alarm controller**

If the Monitor Mode is set to 1, then if the user dials into controller, the system answers the mode and sets it into a monitor mode. In this mode the person on the telephone will hear all radio traffic. To disconnect from this mode, the person has to press the "\*" key on the DTMF telephone or just hang up.

If the Monitor Mode is set to 0, then if the user dials into the controller, the system answers, generates an auto answer beep, and then waits for the user to enter the programming access code. If the correct access code is entered, then the system generates five beeps and the system is ready to be programmed. To get out of the programming mode hang up or do not enter new DTMF codes for five minutes.

## ADDING TEXTING AND E-MAILING TO EMERGENCY ALARM SYSTEM

By attaching a supplied USB to RS232 Serial cable between the PC and the FLEX SERIES ALARM SYSTEM, it is possible to send both Text Messages and E-Mail messages to virtually an unlimited number of recipients. This section will describe how to modify certain files in the PC to accomplish that goal.

The program uses the following Text Files. They should be modified using Microsoft's NOTEPAD.

Settings.ini  
phonebook1.txt  
phonebook2.txt  
phonebook3.txt  
phonebook4.txt  
phonebook5.txt  
userlist.txt

It should be noted that there are five sources of possible alarms as follows:

Manual switch attached to the COS input (message1)  
Manual switch attached to the Sense input (message2)  
Orange button on top of the radio in (message3)  
Button above the PTT switch on the radio (message4)  
Button below the PTT switch on the radio (message5)

## Modifying The settings.ini File

The settings.ini file default values are as follows:

```
[email setup]
login name =csiemergencyalarm@yahoo.com
password =csialarm
smtp server =smt.yahoo.com
port =25
security type =0
sender name =Tester
sender email =csiemergencyalarm@yahoo.com
subject =test subject
com port = 4
[message]
Message1=Testing: Manual Switch 1
Message2=Testing: Manual Switch 2
Message3=Testing: Emergency Alarm Button
Message4=Testing: Top Side Button
Message5=Testing: Bottom Side Button
```

The **login name** and **password** was specifically created for this project and can be used for testing. However, it is recommended the user create their own free e mail account on Yahoo and substitute their own login name and password.

The **smtp server** is set for the yahoo email system but can be changed to accommodate other email servers. However if the one you are using does not work please call your own e-mail representative or use your own yahoo account.

The **port number** is what is typically used for email servers. If you are using something other than yahoo please call your own e-mail representative to verify their port number.

The **sender email** is normally the same as the login name and represents who sent the email.

The **subject** is the text on the subject line of the email. Typical use for that would be the name of the school the information is being sent from.

The **com port** is the USB port the USB to Serial cable is plugged into.

The **message1** is the message you want the recipient to see when you press Manual Switch 1 (COS). Typical message would be "pick up your kids from school"

The **message2** is the message you want the recipient to see when you press Manual Switch 2 (Sense). Typical message would be "special school holiday tomorrow. Do not send kids to school"

The **message3** is the message you want the recipient to see when you press the Emergency Alarm Button on the radio. Typical message would be "intruder with gun".

The **message4** is the message you want the recipient to see when you press the Top Side Button on the radio. Typical message would be "intruder with knife".

The **message5** is the message you want the recipient to see when you press the Bottom Side Button on the radio. Typical message would be "send security".

## Modifying The userlist.txt File

Whenever a user presses one of the three alarm buttons on the radio, a special code is sent from the radio identifying the user. This allows the recipient to not only know the state of emergency, it also tells where it came from. If this radio was used by a teacher, then the teachers name and room number will be identified allowing first responders to know exactly where they should go.

This file must account for all users so even if the user does not exist, leave the first three digits alone. The name and other information related to the user starts in column 4. An example of the file is below:

```
001 Mrs. Jenifer Longbow, Room 134A
002
003 Mr. Bob Fulcrom, Room 167
004 Mrs. Laurie Teacome, Room 62
005
006
007
008
009
010 Mrs. Cindy Doloris, Room 66
```

## **Modifying phonebook1.txt - phonebook5.txt Files**

Each of the five different sources of alarms have their own phone books. This is because not all alarms are created equally.

The manual switch 1 might be used to inform all students of a lockdown in an emergency situation.

The manual switch 2 might be used to inform all parents of an emergency to pick up their kids.

The emergency alarm button on the radio might be used for directly texting and e-mailing the police department, school principal, school vice principal, district superintendent, Department of Homeland Security, and city officials as well as all teachers in the school.

The top side button on the radio might be used for directly texting and e-mailing the principal, vice principal, and security guard.

The bottom side button on the radio might be used for directly texting and e-mailing the security guard and nurse.

The actual recipients contacted for each type of alarm is dependent on the situation needed in the school and could be changed at anytime.

It is important that the various fields be used in exactly the manner specified in this document

Column 1 and column 2 is used for the carrier of the person's phone number. As an example, 23 is used to designate ATT.

Column 4 - column 13 is used for the 10 digit telephone number of that persons cell phone.

Column 15 - column 64 is used for the e-mail address of the intended recipient.

Column 66 through column 90 is used to identify the recipient and is not actually used by the program





**Table of Carriers for Column 1 and Column 2**

20 Google  
21 ACS Wireless  
22 Alltel  
23 AT&T  
24 Bell Canada  
25 Bell Canada  
26 Bell Mobility (Canada)  
27 Bell Mobility  
28 Blue Sky Frog  
29 Bluegrass Cellular  
30 Boost Mobile  
31 BPL Mobile  
32 Carolina West Wireless  
33 Cellular One  
34 Cellular South  
35 Centennial Wireless  
36 CenturyTel  
37 Cingular (Now AT&T)  
38 Clearnet  
39 Comcast  
40 Corr Wireless Communications  
41 Dobson  
42 Edge Wireless  
43 Fido  
44 Golden Telecom  
45 Helio  
46 Houston Cellular  
47 Idea Cellular  
48 Illinois Valley Cellular  
49 Inland Cellular Telephone  
50 MCI  
51 Metrocall  
52 Metrocall 2-way  
53 Metro PCS  
54 Microcell  
55 Midwest Wireless  
56 Mobilcomm  
57 MTS  
58 Nextel  
59 OnlineBeep  
60 PCS One  
61 President's Choice  
62 Public Service Cellular  
63 Qwest  
64 Rogers AT&T Wireless  
65 Rogers Canada  
66 Satellink  
67 xxxxxxxxxx  
68 Southwestern Bell  
69 Sprint  
70 Sumcom  
71 Surewest Communicaitons  
72 T-Mobile

73 *Telus*  
74 *Tracfone*  
75 *Triton*  
76 *Unicel*  
77 *US Cellular*  
78 *Solo Mobile*  
79 *Sprint*  
80 *Sumcom*  
81 *Surewest Communicaitons*  
82 *T-Mobile*  
83 *Telus*  
84 *Triton*  
85 *Unicel*  
86 *US Cellular*  
87 *US West*  
88 *Verizon*  
89 *Virgin Mobile*  
90 *Virgin Mobile Canada*  
91 *West Central Wireless*  
92 *Western Wireless*

## LIMITED WARRANTY

Connect Systems Inc. (CSI) hereby warrants our products to be free from defective workmanship for a period of one year and defective parts for a period of one year from date of sale to the initial end user. This warranty applies only to the original consumer/end user purchaser of each FLEX SERIES CONTROLLER. During the first year of warranty, CSI will repair any of its products at no charge providing the defective unit is shipped prepaid and service is performed by CSI. Conventional prevailing labor and shipping charges will apply following the end of the first year. CSI, at its sole discretion, will replace defective parts on an exchange basis for the first year of ownership by the original purchaser. All shipping cost are the responsibility of the customer.

### **What is not covered by this limited warranty:**

This warranty shall not apply, if, in our judgment the defects are caused by misuse, lightning strikes, customer modification, water damage, negligent use, improper installation, overloads caused by external voltage fluctuations, use of unregulated power supply, damage caused by transit or handling or an abusive treatment not in accordance with ordinary product use or the product serial number has been removed, altered, or defaced. **Specific Exclusion:** This warranty specifically excludes lightning protection devices (MOVs and phone line fuses) and transistors in the PTT (Push to Talk) circuitry. These components can only fail from external abuse.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, STATEMENTS OR REPRESENTATIONS, AND UNLESS STATED HEREIN, ALL SUCH WARRANTIES, STATEMENTS OR REPRESENTATIONS MADE BY ANY OTHER PERSON OR FIRM ARE VOID. ALL IMPLIED WARRANTIES IN CONNECTION WITH THE SALE OF THIS EQUIPMENT, INCLUDING THE WARRANTY OF MERCHANTABILITY, SHALL BE OF THE SAME DURATION AS THE WARRANTY PERIOD STATED ABOVE. SOME STATES DO NOT ALLOW LIMITATIONS OF HOW LONG AN IMPLIED WARRANTY LAST, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN THE EVENT OF PRODUCT FAILURE WHICH PROVES TO BE CAUSED BY A DEFECT IN WORKMANSHIP OF MATERIALS, YOUR SOLE REMEDY SHALL BE THE REPAIR OF THE DEFECT BY CSI OR ITS APPOINTED REPAIR STATION AS STATION AS STATED IN THIS WARRANTY, AND UNDER NO CIRCUMSTANCES SHALL CSI BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT, INCIDENTAL, OR CONSEQUENTIAL, ARISING OUT OF THE USE, OR INABILITY TO USE, THIS PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

If your new CSI product shall ever fail, contact Connect Systems Inc. Customer Service Dept. for repair and warranty information at (805) 642-7184

Note: Connect Systems Inc. reserves the right to render a modest service charge when returned units are found to be free of parts or workmanship defect(s) (i.e. operating to factory specification) within the first year of warranty. Such units will be returned freight collect to the sender, including the appropriate service charge.

## APPENDIX A

### FCC NOTICE TO USERS

-----

1. This equipment complies with part 68 of the FCC rules. On the bottom of this equipment is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.
2. The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive REN's on the telephone line may result in the device not ringing in response to an incoming call. In most, but not all areas, the sum of the REN's should not exceed five (5.0). To be certain of the number of devices that may be attached to the line, as determined by the total REN's contact the telephone company to determine the maximum REN for the area.
3. If this product causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe necessary.
4. The telephone company may make changes in it's facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this should happen, the telephone company will provide advance notice in order for you to make the necessary modifications in order to maintain uninterrupted service.
5. If trouble is experienced with this product, please contact Connect Systems Incorporated at (805) 642-7184 for repair and warranty information. If the trouble is causing harm to the telephone network, the telephone company may request you remove the equipment from the network until the problem is resolved.
6. There are no repairs that can be accomplished by the user. In the event of operation problems, disconnect your unit by removing the modular plug from the telephone company modular jack. If your regular telephone still works correctly, your unit has a problem and should be returned for repairs (in or out of warranty). If upon disconnection of your unit there is still a problem on your line, notify the telephone company that they have a problem and request prompt repair service. The unit may be returned to Connect Systems Incorporated, 2259 Portola Rd. Ventura, CA 93003.

7. This interconnect product cannot be used on a public coin service provided by the telephone company. Connect to Party Line Service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.
8. This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference which may cause undesirable operation.
9. This equipment generates and uses radio frequency energy and if not installed and used properly, i.e. in strict accordance with the service manual, may cause interference to radio or television reception. It has been tested and found to comply with the limits for a Class B computing device pursuant to Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when operated in a residential installation.
- 10 If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - a. Reorient the receiving antenna.
  - b. Relocate the equipment with respect to the receiver.
  - c. Move the equipment away from the receiver.
  - d. Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.
  - e. Ensure that card mounting screws, attachment connector screws, and ground wires are tightly secured.
  - f. If cables not offered by this company are used with this equipment, it is suggested that you use shielded, grounded cables with in line filters, if necessary.
  - g. If necessary consult your dealer service representative for additional suggestions.
- 11 The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. It is the responsibility of the user to correct such interference.

## REVISION HISTORY

### **Version 1.0 March 2, 2013**

Initial Release. Initial software release is version 1.05 and does not include emergency mode 2.

### **Version 1.1 May 30, 2013**

Added table for telephone companies

### **Version 2.0 June 16, 2013**

Added New features. This Manual compatible only with software version 2.0 and above

Emergency Mode 2 eliminated

Added five new voice prompts. Each prompt is 12 seconds in length

Added EMERGENCY BUTTON 1 TRANSMIT

Added EMERGENCY BUTTON 1 PA

Added EMERGENCY BUTTON 2 TRANSMIT

Added EMERGENCY BUTTON 2 PA

Added EMERGENCY BUTTON 3 TRANSMIT

Added EMERGENCY BUTTON 3 PA

Added SENSE PANIC BUTTON TRANSMIT

Added SENSE PANIC BUTTON PA

Added COS PANIC BUTTON TRANSMIT

Added COS PANIC BUTTON PA

Renumbered Parameters to account for above 10 parameters

Defined in Voice prompt section the use of the 10 voice prompts