

CLICK2ENTER, INC.— FOR TECHNICAL ASSISTANCE CALL: 877-939-3800
CLICK2ENTER-I.V4 SYSTEM SETUP GUIDELINES & TIPS FOR THE PUBLIC SAFETY OFFICIAL

Items for the public safety official to consider when gathering information to be programmed into the Click2Enter-I.V4 (C2E) emergency access control units being deployed in your city, county or region (global programming data):

1. Activation “Pulse” Mode; Either Single Pulse or Double Pulse

Single Pulse most widely used and preferred method.



- a. The C2E can operate in either a single pulse or double pulse mode, this feature can be set on a channel by channel basis. However, it is recommended that you assign one operational mode for your city, county or region to avoid confusion among the various system user/s:
 - i. *Double Pulse Mode*: In this mode two distinct pulses are required to operate the device. Using this mode will generally prevent almost all unwanted activations. This mode is not able to be used in conjunction with trunk’ed radio systems that don’t have simplex or off trunk frequencies allocated. Training support for double pulse activation is available at our website: www.click2enter.net/tutorial/index.asp and follow the instructions for the simulator.
 - ii. *Single Pulse Mode*: This allows for an on-trunk activation of the C2E (in most cases). Simply key the transceiver once and release after the LED goes off and the C2E opens. The potential for unwanted activation is increased slightly in this mode, thus we encourage a tighter operational range setting to support single pulse activation. All of the allocated trunk frequencies will need to be programmed into the C2E in order to work in an “on-trunk” mode.

2. Frequency Assignment

Simplex mode, talk-around, or direct mode is the preferred method.



- a. Selection of a frequency to operate the C2E does not mean that you lose the ability to continue to use it for communication purposes, this just informs the user/s of the system what channel to select in order to operate any C2E deployed in your city, county, or region.
- b. Since the C2E can manage up to 100 different frequency assignments you can generally setup your system to accommodate many different channels/agencies. Mutual aid agencies should be considered in your basic set of allocated activation frequencies to include: Fire, EMS, Sheriff, Police, Regional Fire, Public Works etc.
- c. In a standard radio system you might consider allocating a main (repeat) carrier and another direct (non-repeat) frequency. This would support routine and non-routine activations of the C2E.
- d. The C2E requires the use of “**TRANSMIT**” (TX) not receive (RX) carrier/frequency of the mobile and portable radios. Also, described as “Repeater Input”
- e. Private Line (PL) or Digital Private Line (DPL) coding (CTCSS). The C2E can accommodate either a PL or DPL code assigned along with your selected operational activation frequency. These codes offer a little more specific selectivity and enhanced security, however they are not mandatory. Be aware that most public safety agencies opt **not to allocate** them as the level of operational security provided by the carrier frequency is clearly acceptable for gate activation.
- f. When setting up operation for a trunk’ed radio system you will need to provide all of the available frequencies of the system. This includes the command channels as well. The C2E requires the repeater “input” frequencies typically allocated to the mobile and portable radios (the repeater TX frequencies will not work). However, the preferred method of operation for a trunk system is by way of simplex mode, talk-around, or direct mode.

3. Latch Back

- a. Consideration should be given to whether or not you want the C2E to hold open the gate for a pre-set period of time to support the arrival of back-up or support engines. The C2E can hold open the gate in increments of: 1) 1-59 minutes [M]; 2) 1 to 15 Hrs. [H]; 3) Stay Open permanently [S] with a hard reset required (Highly specific function rarely used).
- b. The C2E can also, once in latch back mode, be set to either “override” or “non-override” mode.
 - i. *Override*: Simply if latch back is initiated the system can be pulsed another time and the gate will close; the system opens and closes on command.
 - ii. *Non-Override*: When set in this mode the C2E will hold the gate open for the predetermined amount of time and not allow an override request to close. In this mode the activation LED blinks in a slow mode to indicate that it will not accept another pulse request pending it’s completion of the countdown time interval assigned.

4. Range of Operation

- a. Typically the portable setting for operation is approximately 20 Ft., which places the mobile radio operation (vehicle) at about 80 Ft. to 100 Ft. Greater distances of operation can be achieved, but consideration should be given to the potential of unwanted operation with greater distances. Generally, the 20 Ft. portable and 80 Ft. to 100 Ft. mobile settings do well for all emergency access situations.

5. Password Assignments

- a. The C2E supports two levels of password assignment to facilitate programming and access to stored data. Typically the LEVEL 1 password is allocated to the installing dealer. The LEVEL 2 password is available to the public safety agency of jurisdiction for purposes of assigning their own system-wide point of access. This system wide access porthole facilitates access to any unit in the field by a designate of the agency of jurisdiction to make changes the C2E or allow access to the stored data.

6. TDMA Radio Systems

- a. The C2E receiver will not operate with TDMA radio systems in the “DIGITAL” mode. However, the C2E will operate on any TDMA channel/frequency set in the “ANALOG” mode.

AGENCY: _____ Agency Level II Password: 2 _____ Date: _____

CHANNEL	FREQUENCY	CTCSS CODE (IF USED)	HOLD OPEN [M] [H] [S]	ACTIVATION PULSE 1 OR 2	NOTES
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