



Icom America Inc.

Quick Reference Tutorial



▲ IC-F3161DT/T

▲ IC-F4161DS/S

IDAS

ICOM DIGITAL ADVANCED SYSTEM

DIGITAL FEATURES

Programming for Emergency





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Before You Program

Desired Action:

- Your radio sends an emergency signal out with your ID to all other enabled radios on same frequency.

Assumptions:

- Proper frequencies are entered
- Proper RAN codes are entered
- Proper squelch is set
- Radio is 6.25kHz capable (UT-119H/126H).



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Programming Emergency

Go to **Zone Operation** and set **Zone Type** to **Conventional**.

Zone	Text	Zone Type	P
1		Conventional	
2		Conventional	
3		SmarTrunk	
4		LTR	



Programming Emergency

In Memory Channel 1, set the **Atr** to **E** for the designated emergency channel and set **CH Type** as **Digital**.

Zone 1: Conventional (Left CH - 490)						
				Frequency (MHz)		
CH	Atr	Inh	RX			T
1- 1	ABE		464.220000			
1- 2	A : PriorityA					
1- 3	B : PriorityB					
1- 4	E : Emergency					
1- 5	: Emergency OFF					

Zone 1: Conventional (Left CH - 490)						
						2T
CH	Sel Inh	Auto Scan	CH Type	Auto Reset	CH Mute	T
1- 1	—		Digital	Tim-B	OR	
1- 2	—		Analog			
1- 3	—		Mixed-Ana : Mixed & TX=Analog			
1- 4			Mixed-Digi : Mixed & TX=Digital			
1- 5			Digital			
1- 6						
1- 7						



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Programming Emergency

- Enter your radio ID in **Unit ID** and select the desired talkgroup in **Talkgroup List No.**
- Set the **Squelch Type** to **Sel** (Selective), if you want the squelch to open with the proper RAN *and* Talkgroup or Individual ID.

Zone 1: (Left CH - 496)							
Digital						MDC	
CH	Log	RX RAN	TX RAN	Unit ID	Talkgroup List No.	Squelch Type	System
1- 1		1	<	1004	1	Sel	
1- 2						OFF : OFF	
1- 3						RAN : RAN	
1- 4						: Selective	
1- 5							
1- 6							



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Programming Emergency

Emergency Settings

- **Emergency Text:** Enter the desired text to display on the TX radio.
- **Alert Level:** Set the alarm volume level. If set to Linked, the volume knob will control the volume level.
- **Repeat Cycle:** Set to the desired number of times you want the emergency signal repeated. The range is 0 to infinity.
- **Silent:** Set to **Audible**. When set to **Silent**, there will be no alarm or change in the display for the TX radio.

Emergency Setting	
Emergency Setting	
Emergency Text	Emergency
Alert Level	5 (Linked)
SQL Level	3
Mic Gain	3
Repeat Cycle	3
Silent	Audible



Programming Emergency

Emergency Timer

- **Start Timer:** Set the delay time before the alarm signal is sent after pressing the emergency button. The delay time will count down with a beep every second for the interval set in this timer.
- **Repeat Timer:** Set the time between each repeat emergency transmission. This is in seconds and will not be audible.

Emergency Setting	
Emergency Timer	
Emer SW ON(Sec)	2.000
Emer SW OFF(Sec)	1.000
Start(Sec)	2.000
Repeat(Sec)	2.000
TX Locator Tone(Sec)	OFF





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Programming Emergency

- Go to **Common** -> **Key & Display** and assign **Emergency** to one of the programmable keys.

The screenshot shows a software interface with a tree view on the left and a table on the right. The tree view is expanded to 'Common' > 'Key & Display'. The table lists key assignments for various keys.

P4 /	Side1	Null
Up /	Side2	CH Up
Down /	Side3	CH Down
OPF0 /	Emer	Emergency
OPF1 /	—	Null
OPF2 /	—	Null

- Write the file into the radio.
- The radio is now ready to Transmit an Emergency call.



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Programming Emergency

To Make an Emergency Call

- Press and hold the key programmed for emergency until the beeping starts.
- After the Start Timer has elapsed, the radio will transmit the emergency signal.
- If the transmission is successful, the TX radio display will show STAT OK.