

CS100E *HelpMate*

To get help in a hurry!

When bad guys come calling, help can be on the way at the push of a button with the CS100E *HelpMate*!

When bad guys come calling

You need a way to get help in a hurry from those equipped to deal with such events. The best choice is trained law enforcement or armed private security, or both!

911 is OK for a lot of things, but not necessarily the best choice when dealing with disruptive people. The reason being that the average crime is committed in 4 minutes or less while the average response time when reporting through 911 is 10 minutes or more.

The best solution is a working agreement with local law enforcement. With a mutual agreement to allow direct notification, the response time can often be reduced to 2 minutes or less. Over the years, we have developed several different solutions based on the type of communications used by your local law enforcement agency.

If your local agency uses VHF or UHF analog radios, the CS100E *HelpMate* may be the perfect solution for you!



Physically, the CS100E (pictured above with desk battery charger) looks like any other commercial grade “walkie talkie” with one major difference. The CS100E is a high quality portable radio, ideally suited for general administrative use but it has a feature that is uniquely different from other radios – it’s that little button on the side under the thumbnail in the picture above. In an emergency, this button can be programmed to send either a prerecorded voice message such as “*Assistance needed at High School*” or a coded musical message such as a snippet of the “*Rocky*” theme song.

Whenever the “*Rocky*” music clip is heard on a radio capable of receiving a VHF or UHF analog signal, the person receiving the message knows to immediately proceed to the High School. The system is very efficient, no compromise to normal law enforcement activities and it’s affordable – just \$189 with no continuing charges. For a demo at no cost or obligation, just give us a call at the number below. You WILL be impressed!



Call anytime – 205.854.2611 or Email ServingU@The-Communicators.net

Effective and affordable wireless emergency call notification!

Specifications

General

Power Supply	7.5V DC \pm 20%
Frequencies-Full Bandsplit	400~470MHz
Number of Channels	16 channels (or Optional 32 Channels)
Channel Spacing	12.5/20/25kHz
PLL Step	2.5/5/6.25kHz
Type of emission	16K0F3E/11K0F3E
Current Drain (Approx.)	TX High <1.5A RX Max. audio <330mA(Internal SP) Standby <70mA
Antenna Impedance	50 Ω
Operating Temperature	-30 $^{\circ}$ C~+ 60 $^{\circ}$ C
Dimensions: H x W x D (mm)	96.5x54x32 With Standard Li-ion battery (1300mAh)
Weight: (gm)	235g (estimate)
Average Battery Life@5/5/90 Cycle:	With Standard Li-ion battery 12h (1300mAh)

Transmitter

Frequency Stability (-30 $^{\circ}$ C to 60 $^{\circ}$ C, 25 $^{\circ}$ C Ref)	2.5ppm
Power Output	1W(L), 2W(M), 4W(H)
Modulation Limiting	\pm 2.5kHz@12.5kHz, \pm 4kHz@20kHz \pm 5kHz@25kHz
FM Hum & Noise	-45dB/-40dB typical (Wide/Narrow)
Conducted/Radiated Emission	-36dBm<1GHz, -30dBm>1GHz
Adjacent Channel Power	-60dB@12.5KHz, -70dB@20/25KHz,
Audio Response (300-3000Hz)	+1~-3dB
Audio Distortion	< 3%
Ext. Microphone Connector	Compatible with MOTO's hole connector (EP450)

Receiver

Sensitivity (12 dB SINAD) EIA	0.28 μ V@12.5KHz 0.25 μ V@20/25KHz typical
Sensitivity (20 dB SINAD) ETS	0.50 μ V typical
Intermodulation EIA	70dB
Adjacent Channel Selectivity	60dB@12.5KHz, 70dB@20/25KHz
Spurious Rejection	70dB
Rated Audio	1000mW
Audio Distortion @ Rated Audio	3%
Audio Response (300-3000Hz)	+1~-3dB
Conducted Spurious Emission	-57dBm<1GHz -47dBm>1GHz ETS 300 086

Applicable U.S. Military Specifications & IP Rating

Standard	MIL 810F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain Blowing/Drip	506.4	I, III
Humidity	507.4	-
Salt Fog	509.4	-
Dust Blowing	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV
Also meets equivalent MIL-STD-810-C, -D and E		
Ingress Protection Standard		
Dust & Water	IP65 (Dust-protection and water resistant)	



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