CS711

DMR Two-way Radio

CS Connect Systems Inc.

CS711 adopts the latest digital technologies, which results in a high quality product which is easy to use and very cost effective.

IP65

Key Features:

- 1,000 Contact Lists
- 1,000 Channels
- Field Programming
- Dual Modes(Digital+Analog)
- Superior Digital Voice
- Versatile Calls and Data Service
- Full Analog Signaling
- IP65 & MIL810F Compliant

CS711

WELCOME

Features

■ Customizing

The customer could give his idea to his dealer for the manufacture to add its great idea in his radio by software upgarding. Some unique new features list as,
- DMR Monitor
- Per Channel ID
- Group Call Alert
- TX Contact not Include
- Same ID Decode
- Internal/External Mic Gain

■ DMR Monitor

You could monitor the voice activity on a certain channel frequency. In talk around mode, the radio will ignore the CC/Slot/ID information of the existing call;In repeater mode, the radio will ignore the ID information.

■ Per Channel ID

If you wanted to roam in different ID systems,you could use different radio ID on a different channel, in case your ID in other systems conflicting with the current system.

■ Group Call Alert

To let all the persons involved in one contact list to note your coming call,you could first send "Group Call Alert" to remind of them before starting a real voice call.

■ Lone Worker

■ Man Down(Optional)

■ Digital / Analog Emergency

Support 32 Digital Emergency Systems and 4 Analog Emergency Systems.

■ Digital Encryption

Support 16-bit basic encryption and 72-bit enhanced encryption.

■ Voice Auto Record

Support automatic record after receiving a 2-tone or 5-tone signaling.Four voice 15-second records standard.

■ Channel Voice Annunciation

Channel Voice Annunciation is useful when you are not convenient to watch the radio. You could even use your own annunciation voice.

■ Contact / Channel Import & Export

You could convert the configurations between different models by this feature.

Other Features

■ CTCSS / DCS Encode & Decode
■ DTMF / MDC 1200 / 2Tone/5Tone Encode & Decode
■ One Touch / Quick Menu
■ Dual priority Scan
■ VOX
■ Kill / Revive
■ Power Up Zone / Home Zone
■ Frequency Display
■ 7-Programmable Long / Short Key
■ Power On / Write / Read / Configuration File Password

Specifications

General

Power Supply	7.4V DC±20%
Frequencies-Full Bandsplit	136~174MHz
Number of Channels	1000 Channels
Maximum number of Zones	250 Zones
Maximum number of Channels Per Zone	16
Channel Spacing	12.5/25kHz
Operating Temperature	−30℃~+60℃
Dimensions：HxWxD（mm）	
With Standard Li-ion battery（1700mAh）	116. 5X55X35. 6
Weight：(g)	
With Standard Li-ion battery	300g
Average Battery Life 5/5/90 Cycle	
With Standard Li-ion battery	14h D Mode/11h A Mode

Transmitter

Frequency Stability（−30℃ to 60℃, 25℃ Ref）	1.0 ppm
Power Output	1W（L）, 5W（H）
Modulation Limiting	±2.5kHz@12.5kHz/±5kHz@25kHz
FM Hum & Noise	−40dB@12.5KHz/-45dB@25KHz
Conducted／Radiated Emission	−36dBm<1GHz, −30dBm>1GHz
Adjacent Channel Power	-60dB@12.5KHz
	-70dB@25KHz
FM Modulation Mode	12.5KHz：11K0F3E/25khz:16K0F3E
4FSK Digital Mode	12.5KHz（data only）：7K60FXD
	12.5KHz（data+voice）：7K60FXE
4FSK Modulation Accuracy	5%@25℃, 10%@extreme temperature
Audio Response（300−3000Hz）	+1~ -3dB
Digital Protocol	ETSI TS 102 361-1,-2,-3
Audio Distortion	<3%
Vocoder	AMBE+2™
Ext. Microphone Connector	Compatible with MOTO 2-pin

Receiver

Analog Sensitivity	0.35μV/-116dBm（20dB SINAD）
	0.22μV/-120dBm（12dB SINAD）
Digital Sensitivity	0.3μV/-117.4dBm（BER 5%）
	0.7μV/-110dBm（BER 1%）
Intermodulation	TIA603 70dB；ETSI 65dB
Adjacent Channel Selectivity	TIA603 70dB；ETSI：65dB@25KHz
	TIA603 60dB;ETSI 60dB@12.5KHz
Spurious Rejection	TIA603：75dB；ETSI 70dB
Blocking	84dB
Rated Audio/MAX Audio	750mW/1000mW
Audio Distortion@Rated Audio	3%
Audio Response（300-3000Hz）	+1~ -3dB
Conducted Spurious Emission	-57dBm<1GHz,-47dBm>1GHz ETS300086