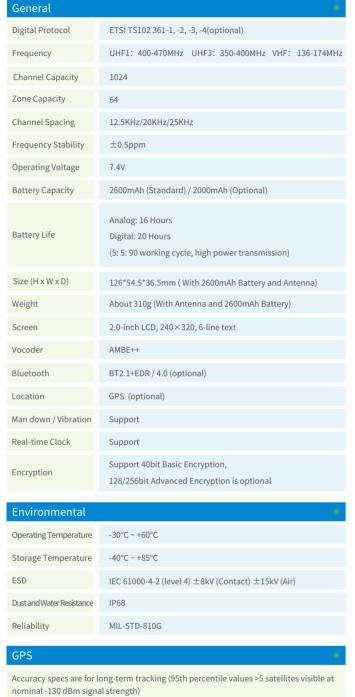
Specification





Receiver	•
Sensitivity (Analog)	0.18uV(12dB SINAD)
Sensitivity (Digital)	0.18uV (5% BER)
Adjacent Channel Selectivity	60 dB@12.5KHz/70 dB@20/25KHz (TIA603A)
	60dB@12.5KHz /70 dB@20/25KHz (ETSI)
Intermodulation	70 dB (TIA603D)
	65 dB (ETSI)
Spurious Rejection	70 dB (TIA603D)
	70 dB (ETSI)
Blocking	80dB(TIA603D)
	84dB(ETSI)
Co-channel Rejection	-12~0 dB @12.5KHz/-8~0 dB @20/25KHz
Hum and Noise	-40 dB@12.5KHz /-43 dB@20KHz /-45 dB@25KHz
Rated Audio Power	0.5W
Max Audio Power	2.0W
Rated Audio Distortion	≤3%
Audio Response	+1~-3dB (TIA603D)
Conducted Spurious Emission	-57 dBm (TIA603D)

Hansiiittei		•
Low Power Output	1W	
High Power Output	4W (UHF1&UHF3) or 5W (VHF)	
FM Modulation	12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E	
4FSK Digital Modulation	12.5KHz Data Only: 7K60F1D&7K60FXD	
	12.5KHz Voice Only: 7K60F1E&7K60FXE	
	12.5KHz Voice And Data: 7K60F1W	
Conducted/ Radiated Emission	-36dBm ≤1GHz;-30dBm>1GHz	
Modulation Limiting	± 2.5 KHz @12.5KHz / ± 4 KHz @20KHz / ± 5.0 KHz @25KHz	
FM Hum and Noise	-40 dB@12.5KHz /-43dB@20KHz /-45 dB@25KHz	
Adjacent Channel Power	60 dB@12.5KHz /70 dB @20/25KHz	
Audio Distortion	≤3%	
Audio Response	+1~-3dB(TIA603D)	

The specifications in this document are in accordance with the applicable standard test. Due to the continuous technology development, Caltta may change the specifications without notice.

Horizontal Accuracy

American International Radio

TTFF (Time to First Fix) - Cold Start TTFF (Time to First Fix) - Hot Start

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Caltta Technologies is a leading provider of comprehensive critical communication solutions and committed to protecting personal data in accordance with applicable laws and regulations and with technologies including anonymization and data encryption and necessary



Professional Digital Radio

Small in Size, Huge in Performance









www.airadiousa.com

Features



Full Encryption

Support 40bit basic encryption. 128/256bit AES encryption are optional. It also supports lone worker, alarm, man-down and other functions to protect users' safety.



Excellent Appearance

The 2.0-inch LCD screen and full keyboard bring users a richer operating experience.



Large-capacity Battery

With a 2600mAh large-capacity battery and digital power reduction technology, PH690 can work for at least 20 hours in digital mode(5:5:90), meeting the needs of long work shifts.



Loud and Clear Voice

With a 2W speaker and optimized audio design, PH690 ensures clear communication even in a noisy environment.



Complete Services

In addition to basic DMR voice and data services, PH690 also supports many optional features such as GPS/BDS, Bluetooth, VOX, etc.



Military Standard

MIL-STD-810G rated, PH690 is resistant to dropping and shocks at various levels.



Digital-and-analog Compatible

Digital-and-analog compatible, PH690 realizes the smooth evolution of the system. It also supports digital direct/repeater dual-time slots and automatic cross-site roaming.



IP68 Protection

IP68 rated, PH690 is resistant to water and dust, ensuring normal operation in extreme environments.



Scenarios





Accessories

