



BF-SCP860

Multimode Radio

The BF-SCP860 is an all-in-one multimode radio that embraces broadband & narrowband communication and smartphone functionality. Allowing conventional communication, DMR Trunking, and PoC, this radio provides a reliable communication guarantee for critical voice communication. With audio, video, multi-media dispatch, and other rich applications, it helps to improve response efficiency and enhance visual management capabilities.

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|  IP68 Protection |  VOLTE |
|  Front & Rear Cameras |  Rich Applications |
|  4G All-Network Trunking |  Precise Positioning |
|  Private Network Trunking |  Double-Screen Display |
|  Public-Private Integration |  Switchable Dual Card Dual Standby |





Double Screen Display

BF-SCP860 incorporates a unique dual-screen interactive design. With a 4.0-inch 1080P screen, it brings a more intuitive visual effect and remains clear visibility even when operating in strong light. Its glove operation and wet-hand operation, made it more convenient for outdoor operations.



Trunking Communication

BF-SCP860 multi-mode radio featured enhanced Trunking performance and wide system/terminal compatibility, providing reliable critical services for transportation, communication, power cut-off and other disconnecting areas.



Broadband-Narrowband Communication

The BF-SCP860 featured an automatic public-private network switching. In private network mode, it can interconnect with DMR, Analog, and other narrowband terminals. In public network mode, it works with the Belfone ProChat IoT system and enables unlimited audio and video communication, which can extend narrowband coverage, and guarantee rapid network establishment.



Comprehensive Positioning

BF-SCP860 supports GPS/GLONASS/Galileo, cellular-based positioning, and WIFI assisted positioning, catering positioning demands in outdoor, indoor, underground, and tunnel environments. Note: Factory default GPS.



Front and Rear Dual Camera

Equipped with 13MP and 8MP dual HD cameras, the BF-SCP860 delivers 1080P clear images, capturing every critical moment. Its VoLTE feature provides high-definition audio/video call services for better audio and video integration.

Dual-Transmission

The BF-SCP860 adopts a dual PTT design, allowing users to customize public-private network priority, bring seamless broadband and narrowband communication. With a 5W transmission power and advance audio processing technology, it further extends private network coverage and enhance audio quality.

Rugged and Durable

Designed with durable industrial-grade plastic material and certificate IP68 protection, the BF-SCP860 is a rugged radio with all-round protection that can withstand a 1.5m drop without damage and endures operating environments ranging from -30°C – 60°C . It provides stable and seamless communications even in complex environments such as rain, snow, heat, and humidity.

Rich Applications

The BF-SCP860 comes with the Android 11 operating system, providing increased security, stability, and compatibility. It can flexibly adapt to third-party applications, effectively expand data, video, and IoT smart applications, catering to various communications demands and enhancing business processing capabilities.



DESIGN HIGHLIGHTS



Working Modes	Audio Services	Data Services	Applications	Safety Service	Others
Broadband PoC	Individual Call/Group Call/All Call	Text	Contact/SMS	Emergency Alarm	OTG/NFC
Digital Convention	VOLTE	Status	Camera/Gallery/Recorder	End-to-End Encryption	Positioning/Call Location
Analog Convention	Broadcast Call / Emergency Call	MMS/SMS	Files/Notepad	Air Interface Encryption	Scan/Roam/Remote Monitor
Digital Trunking	Narrowband Call Recording	Data Query	Alarm/Calculator/Browser	Digital Voice Encryption	APP
Broadband PoC	Call Priority/ Voice Broadcast		Compass/ Gyroscope/Bluetooth (Optional)	Stun/Remote Kill/Revive	

TECHNICAL SPECIFICATIONS

Wireless Data Communication		General	
Frequency Range	VHF:136-174MHZ UHF:400-470MHZ/UHF:350-400MHZ	Memory (RAM+ROM)	4GB+64GB
Public Network Frequency Band	TDD-LTE: B38/39/40/41	SDExtended storage	256GB Max
	FDD-LTE: B1/3/5/8	Operating system	Android 11
	WCDMA: B1/5/8	Display screen	4.0 inches, 1080 * 540 resolution, supports glove touch
	EVDO: BC0	Card slot	2x Nano SIM card 1x Micro SD card
WLAN	Support 802.11 b/g/n/ac, 2.4G	Camera	Front: 8 million pixels Rear: 13 million pixels
BT	Support BT4.2	Operating Voltage	7.6V(Rated)
NFC	Support	Battery	Standard configuration: 2400mAh (thin battery) Optional: 3500mAh (thick battery) Removable
Positioning	GPS/Beidou/GLONASS/Galileo		
General specifications for private networks		Compass	Support
Working mode	Digital compatible analog	Gyroscope	Support
Channel spacing	12.5KHz/25KHz	Vibration function	Support
Zones	128	Recording	Support
Channel capacity	100	Dimensions (L × W × H)	67 (L) * 28(W)* 152 (H)mm
Contact	Regular 1024, Trunking 512	Weight	380g(include battery)
Receiving group	Regular 1024, Trunking 50		
RF output power	<5W		
Environmental			
Working Temperature	-20℃—+60℃		
Storage Temperature	-30℃—+70℃		
Protection Grade	IP68		

Note: The above specification is tested by the trial standard. Due to the continuous development of technology, the data provided are for reference only.

RELATED ACCESSORIES

STANDARD ACCESSORIES



Antenna



Thin Battery



Belt Clip



Power Adapter



Type-c Cable



Desktop Charger

OPTIONAL ACCESSORIES



Thick Battery



Bluetooth Headset



Earphone Cable

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Belfone
Communications for Efficiency and Safety



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