



# BF-SCP810

## Public and Private Network Integration Smart Radio

- Broadband and narrowband network integration that can be changed on demand
- 4G all-networking and trunking communication
- Private network communication and emergency guarantee
- Smart dispatch and efficient management
- Human-computer interaction and visual transmission
- Double PTT and simplifies design
- Multi-mode positioning and coverage all zone
- One key alarm for safety and reliability
- Lightweight, portable, robust and reliable



# OVERVIEW

BF-SCP810 is a multimode radio which integrates public network and private network, equipped with voice, data, image, video, satellite positioning, one-key emergency alarm, and other massive functions. It can also interconnect with the Belfone Intelligent Dispatching System to realize video dispatching, audio dispatching, GIS, RFID check, data management, NFC management, and other managing services to meet user's diverse communication needs such as critical voice communication, audio and video dispatching, help staff to work collaboratively, improve the communication efficiency.

## HIGHLIGHTS AND BENEFITS



### Broadband and Narrowband network integration

BF-SCP810 is a smart radio that integrates private network, public network, and smartphone. In private network, it can realize individual call, group call, broadcast call, SMS, roaming and other functions without the help of the operator's base station in a short distance. It has clear and loud voice, and safe and reliable performance to guarantee emergency communication of private network in central areas. In public network, it supports various communication services of PoC platform, breaking space barriers, unlimited communication range, effectively supplementing and extending the narrowband coverage.

In addition, BF-SCP810 opens the third-party APP platform to match the development of intelligent data services and to smoothly run the exclusive traffic application of various industries. The interconnection of public and private networks gives full play to the complementary advantages of broadband and narrowband network, realize cooperative work of diverse communication modes, controls the overall situation, and meet the communication needs of multiple scenarios.



### Private network

The narrowband private network can establish communication links and cover network quickly in communication blind zones without the help of base stations. And provide voice and message transmitting channels for emergency communications. It has the advantages of high frequency utilization, long communication distance, good signal penetration, strong anti-interference, good confidentiality, excellent audio performance, etc. In addition, it can cooperate with other private network communication devices and Ad Hoc networks to cover communication network anytime and anywhere to realize unified command and dispatching.



### 4G all-network dual SIM card dual standby

BF-SCP810 supports 4G all-network and dual SIM card dual standby, which makes the public network more reliable and guarantee smooth and stable signal reception in zone switching and network switching scenarios. Therefore, it can realize public network without distant restriction. It can also be used to carry out full-duplex calls based on SIM cards. It is both a two-way radio and a smart phone.



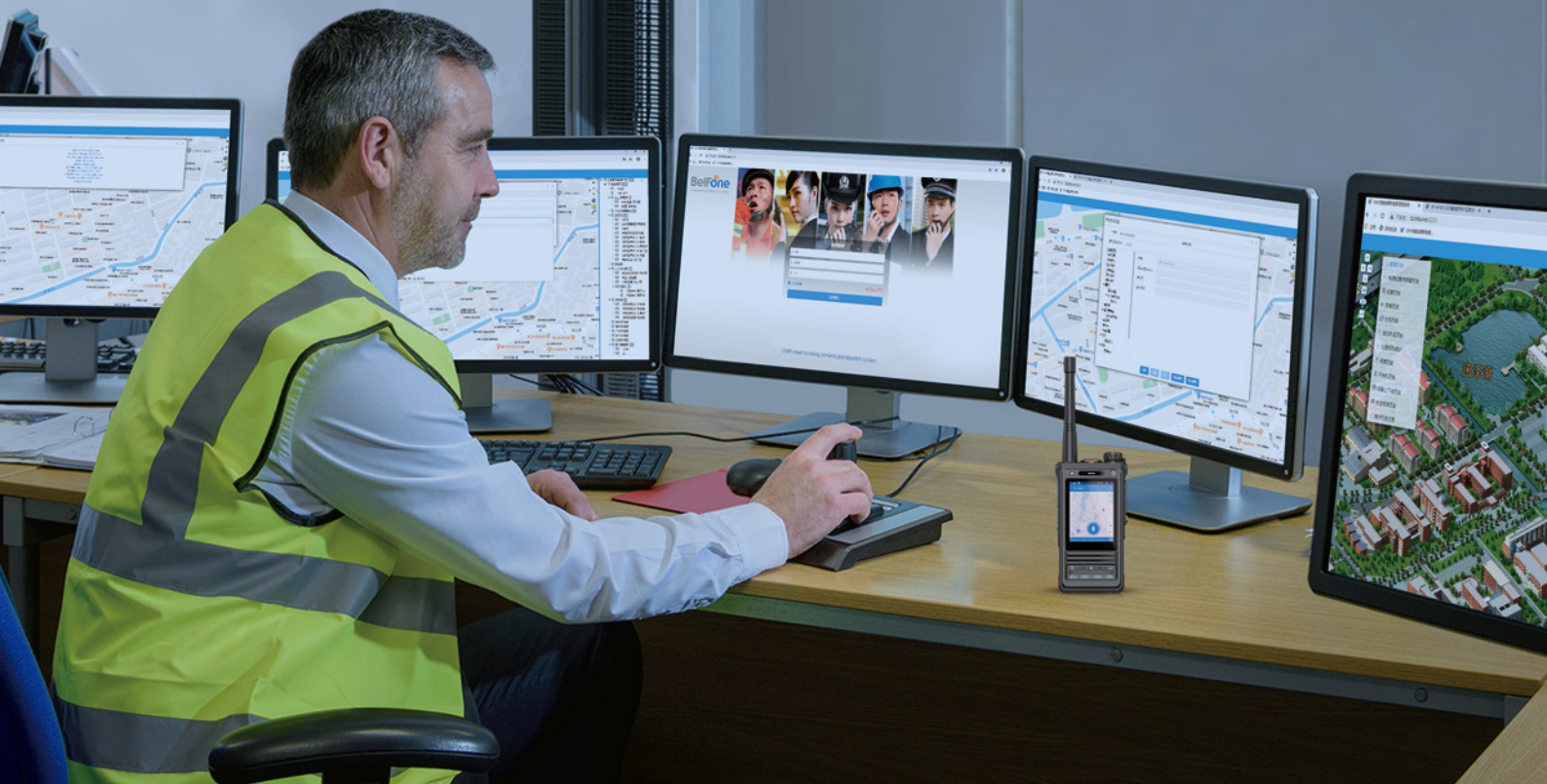
### Dual PTT

The BF-SCP810 is designed with two PTT buttons based on users' different network requirements in different scenarios. Users can customize the priority of the public and private network based on their requirements. It supports dual standby and single standby and allows users to launch intercoms with one key without entering the system to switch applications, making communication simple and ensuring efficient communications at critical moments.



### Intelligent Dispatching

BF-SCP810 took into consideration of industry users' diverse information processing needs during the design phase. It can access to the BelFone Smart IP Communication System (SDC) to realize voice dispatching, data dispatching, emergency alarm, GIS, RFID check, voice recording management, NFC access control, intelligent identification, and other services. It integrates and upgrades from simple voice communication to multimedia services, assisting users to improve command, dispatching, and management efficiency. ( Note: NFC function is optional )



### Multiple positioning Modes

BF-SCP810 supports multiple positioning modes: GPS/GLONASS satellite positioning, base station-assisted positioning, WiFi-assisted positioning, etc. Facilitates command center to get front-line personnel information quickly. With the assistance of track playback applications, district selection, and other data information, it can provide precise command and efficient dispatching for various complex situations and meets the geographic positioning needs. ( Note: Factory default GPS. )



### One key Alarm

The BF-SCP810 is equipped with an orange SOS emergency alarm key on top, allowing users to quickly locate and press the alarm key to send SOS for help in any scenario. Once encountering emergencies, it can help to send help information to the command center quickly and accurately. Personnel in the command center can also launch a group call at the same time with one key to dispatch nearby rescue personnel to carry out rescue and ensure the safety and reliability of staff operation.



### HD Camera

BF-SCP810 is the perfect integration of seamless network switching and a variety of communication modes. With the design concept of human-computer interaction, the BF-SCP810 is configured with high-definition dual cameras, 5-megapixel front and 8-megapixel rear autofocus cameras to hear and see clearly in real-time. It is equipped with an industrial-grade 2.8-inch high-definition touch screen which adopts impact-resistant reinforced glass has the characteristics of multi-touch support, glove operation support, visibility in bright light, etc. BF-SCP810 can be used as a graphical transmission terminal or video terminal to capture key information, deliver real-time information to the command center to facilitate real-time monitoring in emergency situations, and help rapid and efficient decision-making and command, thus bringing users a good communication experience.



### IP68 Protection

BF-SCP810 integrates multiple communication modes and multi-service, fully considering the industrial design and product practicality, with an ergonomic structure design, from solid fuselage (a matte texture, drop resistance, wear resistance structure), to reliable performance certifications such as IP68 protection, 30mins immersion in 1.5m water, high and low temperature impact test in military standard and 1.5m drop without damage, fully reflecting its ability to cope with harsh environments.

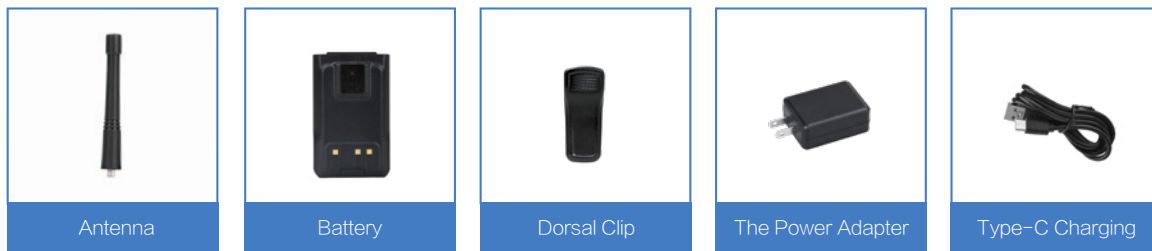


# SPECIFICATION

Wireless Data Communication	
Public Network	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B5/B8 TDD-LTE: B38/B40 FDD-LTE: B1/B2/B3/B5/B7/B8/B20/B28
WLAN	Support 802.11 b/g/n, 2.4G
Bluetooth	Support BT4.0
NFC	Customized
Positioning	GPS / GLONASS
General Specifications(Private network)	
Frequency Range (Private network)	136-174MHz;350-400MHz;400-480MHz Support Customization
Working mode	DMR
Channel Spacing	12.5KHz/25KHz
Zones	64
Channels	1024
Contacts	1024
Receiving Groups	256
Power Output	High power: 2W , Low power: 1W

General Specifications	
Storage ( RAM+ROM )	2GB+16GB
SD Expansion	32GB Max
Operating System	Android 8.1
Display	2.88 inch, 480*640 dpi, touch-sensitive (allow gloves on)
Card Slots	2x Nano SIM 1x Micro SD
Camera	Front Camera: 5-megapixel Rear Camera: 8-megapixel
Voltage	3.7V ( rated )
Battery	4000mAh (detachable)
Compass	Support
Gyroscope	Support
Vibration	Support
Environmental Index	
Operating Temperature	-20°C ~ +60°C
Storage Temperature	-30°C ~ +70°C
Degree of Protection	IP68

# STANDARD ACCESSORIES



# APPLICATION



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