

Specifications

General		
Frequency Range	VHF:136-174MHz;UHF:350-390MHz/400-480MHz/450-520MHz	
Channel Capacity	160	
Weight	6.9Kg	
Channel Spacing	12.5KHz	
Working Voltage	DC: 12V AC: 110(±15%) or 220V(±15%) Optional	
Frequency Stability	±1.5ppm	
Antenna Impedance	50Ω	
Dimensions	210(L)*275(W)*180(H)mm	
Transmitter		
Power Output	H: VHF:30W/UHF: 25W L: VHF/UHF: 10W	
4FSK Modulation	12.5KHz (data only): 7K60FXD 12.5KHz (data and voice): 7K60FXE	
FM Modulation	12.5 KHz: 8K50F3E	
Modulation Limitation	+/- 2.5KHz @ 12.5KHz	
FM Noise	-40dB	
Spurious Emission	-36 dBm≤1GHz/-30 dBm≥1GHz	
Adjacent Channel Power	≤-60dB	
Frequency Response	+1/-3 dB	
Audio Distortion	<3%	
Vocoder	AMBE+2™	
Receiver		
Digital Sensitivity	5% BER: 0.25 uV	
Analog Sensitivity	0.25 uV (12 dB SINAD)	
Intermodulation	60dB	
Adjacent Channel Selectivity	60 dB	
Spurious Suppression	70 dB	
FM Noise	-40dB	
Frequency Response	+1/-3 dB	
Audio Power	3W	
Audio Distortion	3%(typical)	
Conduction Radiation	-57dBm	
GPS Precision	Horizontal Accuracy≤-10m (when signal is good)	
TTFF (first location)Cold Boot	< 1 minute (good signal)	
TTFF (first location)Hot Boot	< 10 seconds (good signal)	
Environmental Specifications		
Working Temperature	-20℃~+70℃	
Storage Temperature	-40℃~+80℃	

BelFone reserves the right to change or update the above specifications without any prior notice. For more information please visit www.belfone.com



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To order in your local place, please contact:



BF-SFR600

DMR Single Frequency Repeater

BF-SFR600 is our new single frequency repeater solution which is also able to function as a base station within a system. As a single frequency repeater, BF-SFR600 allocates one timeslot to receive a signal and the other to transmit it at the same frequency, using DMO mode to extend radio coverage. This repeater supports both AC and DC power inputs. When DC power supply is unplugged, the device automatically turns to an AC power source. The two auto-switchable power sources serve as each other's backup, thus delivering more flexibility and stability. This is a smart and cost-effective choice for commercial users who value coverage.



- Base Station/Repeater Dual Modes
- Extend DMO Communication Distance
- Power-on Password
- Cost-effective DMR Repeater Solution
- IP Multisites Connectivity (With Extra Devices)



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BF-SFR600

Single Frequency Repeater



Highlights

High/Low Power Switchable

You can choose between high (25W) and low (10W) power output according to the occasion. This can effectively avoid unnecessary energy consumption.

Good Heat Dispersion

The high quality built-in fan provides sufficient airflow for operation within the specified temperature without derating, and thus enables BF-SFR600 to operate stably for long hours.

Multiple Sites via IP (Factory Option)

BF-SFR600 supports network connection via the IP port to form a private radio network, thus meeting data and voice communication needs for wide-area coverage and dispersed locations.

Repeater Power Backup (Optional)

With DC/AC dual power sources, when DC power supply is unplugged, the device automatically turns to an AC power source. The two auto-switchable power sources serve as each other's backup, thus delivering more flexibility and stability.

Analog/Digital Back-to-Back Interconnect (Optional)

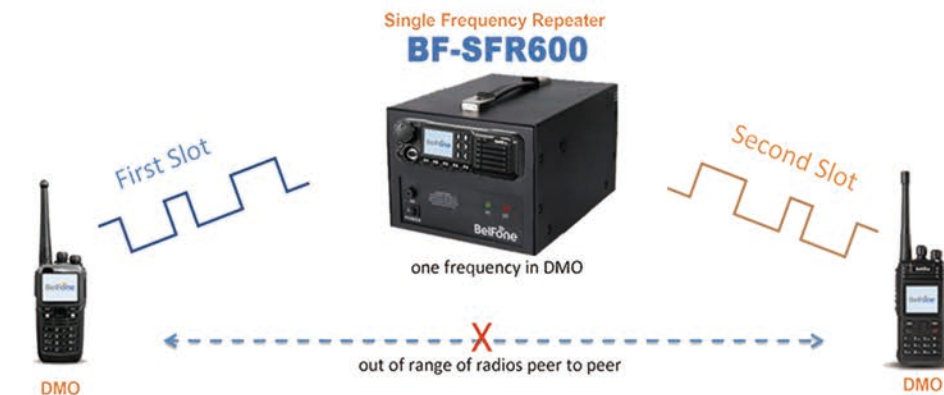
BF-SFR600 supports different operating modes of analog and digital to interconnect for voice crosspatch, allowing analog users to communicate with digital users and vice versa. This delivers a smooth transition from analog to digital.

Features

- 160 Channels
- Good Heat Dispersion
- 25W High Power
- 2/5 Tones
- Color Code
- DC/AC Dual Power Sources



TDMA True 2-Slots



Standard Accessories



Fuse



Remote Speaker



Power Cord