

# SGS10-DRPR



## Main Functions

### Analog or Digital Mode

Operates in analog or digital mode – LED indication mode

### Integrated Power Supply

### Multiple Installation Methods

SGS10-DRPR is rack- or wall-mountable and can be put on a table/desk

### TDMA Technology

SGS10-DRPR adopts TDMA technology which enables two channels to be used on the same radio frequency at the same time

### IP Multi-site Connect (Optional)

Digital solutions extend the coverage of SGS10-DRPR communication system to the users located anywhere in the globe by Internet to greatly improve the customer service and productivity

### Trunking Expansion

SGS10-DRPR supports expandable digital trunking solutions with single base station, which expands its communication capacity to more than 1,000 two-way radio users without adding new frequencies

### More Secure Communication

With advanced digital technologies, SGS10-DRPR can provide not only common encryption for analog radios, but also more advanced digital encryptions to ensure more private communications

### Customizable

SGS10-DRPR allows developing and customizing applications for users to meet various and specific requirements.

# SGS10-DRPR

- Support Both Analog and Digital Modes
- Support Trunking Extensions
- IP Multi-site Connect
- Adopt TDMA Digital Technologies

## Specifications

General	
Frequency Range	UHF:400-470MHz VHF:136-174MHz
Channel Capacity	16
Operating Voltage	AC 110~240V 50/60Hz
Channel Spacing	25kHz/20kHz/12.5kHz
Antenna Impedance	50Ω
Dimensions(H×W×L)	132.5 × 482.5 × 296.5mm
Current Drain Standby	<0.9A
Current Drain Transmit	<12A

  

Receiver	
Sensitivity (Analog)	0.22μV (12dB SINAD)
	0.25μV (Typical 12dB SINAD)
	0.3μV (20dB SINAD)
Digital Sensitivity	0.25μV/BER 5%
Adjacent Channel Selectivity	65dB
Intermodulation	70dB
Spurious Response Rejection	80dB
Blocking	90dB
Conducted Spurious Emission	≤-57dBm
Audio Distortion	≤3%
Audio Response	+1~-3dB

Transmitter	
Tx Power Output	UHF High Power:45W / Low Power:25W VHF High Power:50W / Low Power:25W
Modulation Limiting	≤2.5kHz @ 12.5kHz / ≤4.0kHz @ 20kHz / ≤5.0kHz @ 25kHz
Conducted/Radiated Emission	<-36dBm(<1GHz)/<-30dBm(>1GHz)
Adjacent Channel Power	60dB @ 12.5kHz / 70dB @ 20/25kHz
Audio Response	+1~-3dB
Audio Distortion	≤3%
Frequency Stability	±1.0ppm
FM Modulation	11KΦF3E @ 12.5kHz / 14KΦF3E @ 20kHz / 16KΦF3E @ 25kHz
4FSK Digital Modulation	12.5kHz Data Only: 7K60FXD
	12.5kHz Data & Voice: 7K60FXW
Digital Vocoder Type	AMBE 3000
Digital Protocol	ETSI-TS102 361-1

Environmental Specifications	
Operating Temperature	-30°C~+60°C
Storage Temperature	-40°C~+85°C
ESD	IEC 61000-4-2 (Level 4) ±8kV (Contact) ±15kV (Air)



## Accessory List

### Standard Accessories

- Microphone Hanger
- Power Cable
- Fixed Bracket
- Mobile Microphone
- Combination Screw
- Self-tapping Screw

### Optional Accessories

- Programming Cable
- GPS Antenna
- Sucker Antenna



**Stark Signals Inc.**

169, Avenue Mountain View, CA-94042, USA

