

# SS680

GSM Push To Talk (PTT) PORTABLE radios use the GSM networks to connect to our South African located servers.



## TECHNOLOGY FEATURES



### REPEATER

Extends the Coverage of Analog Signal Worldwide



### GATEWAY

Ensures a Smooth Analog to Digital IP Migration



### GLOBAL POSITIONING SYSTEM

GPS location sharing with SOS alarm



### MULTI-MODE

Multi-mode work simultaneously



### SETTINGS-MODE

Setting-mode priority



## TECHNICAL SPECIFICATIONS

SS680

MECHANICAL PROPERTIES		
Model No	SS680	
Dimensions	135mm x 58mm x 38mm	
Weight	320g	
Working Temperature	-30° to +75°C	
BASIC PARAMETER		
Working Voltage	6.4V-8.4V (Standard 7.5V)	
Working Current	310mA@UTMS 2100/900 280mA@GSM 900	
Peak Current	1.8A	
RF PARAMETER		
Working Range	UMTS/HSCPA 850/1900/2100	
	GSM/GPRS/EDGE 850/900/1800/1900	
Maximum Output Power	WCDMA 900/2100MHz: Power Class 3 (+24dBm +2.5dBm/-1.5dBm) GSM/GPRS 850/900MHz: Power Class 4 (+33dBm +2.5dBm/-0.5dBm) GSM/GPRS 1800/1900MHz: Power Class 1 (+30dBm +2.5dBm/-0.5dBm)	
Receiving Sensitivity	WCDMA 900: < -108dBm WCDMA 2100: < -109dBm GSM 850/900/1800/1900: < -106dBm	
GPS		
GPS	GPS Positioning 1.57542GHz	
Sensitivity	Catch -144dBm, Track -159dBm	
TECHNOLOGY STANDARD		
Data Speed Rate	GSM CS: UL 9.6kbps/DL 9.6kbps GPRS: Multi-slot Class 10 EDGE: Multi-slot Class 12 WCDMA CS: UL 64kbps/DL 64kbps WCDMA PS: UL 384kbps/DL 384kbps	
Protocol	HSDPA/WCDMA/EDGE/GPRS/GSM	
ANALOG PARAMETER		
GENERAL		
Frequency Range	UHF: 400 - 480MHz or VHF: 136 - 174MHz or 240 - 260MHz	
Channel Number	199	
Channel Space	25 / 12.5KHz	
Frequency Stability	±2.5ppm	
TRANSMITTER		
	WIDE BAND	NARROW BAND
Power Output	5W	5W
Modulation	16KøF3E	11KøF3E
Spurious Emission	<-36dBm	<-36dBm
Adjacent Channel Power	>70dB	>60dB
RECEIVE		
	WIDE BAND	NARROW BAND
RF Sensitivity (12dB Sinad)	0.20µV	0.20µV
Adjacent Channel Selectivity	>60dBm	>55dBm
Intermodulation Rejection	>65dBm	>60dBm
Spurious Response	>65dBm	>65dBm

NOTE: Due to the continuous development of technology, the above data is subject to change without notice.