



RADIOLERT SG80 FIXED-LOCATION

FIXED-LOCATION DISASTER COMMUNICATIONS SYSTEM



Features

- ▶ Fixed location
- ▶ Designed for reliable Disaster Communications
- ▶ Frequency Range 76.0MHz to 108.0MHz
- ▶ Multilingual Capable
- ▶ High quality audio transmission
- ▶ 80 Watts RF Output Power
- ▶ AC Mains Power (90 – 264 Volts AC, 50-60Hz)
- ▶ Operating temperature (ambient) -30°C to +60°C

Warranty

- ▶ 3-Year Warranty

Typical Application

Extend LGU's Disaster Alerts into Disaster Communications, directly to communities

Specifications

SIGNAL GENERATION

Frequency Range	76.0MHz to 108.0MHz in 50kHz steps
Maximum RF Power Output	80 Watts
Minimum RF Power Output	0.1 Watts
Antenna Impedance	50 ohm
Deviation	50kHz or 75kHz
Pre-Emphasis	50uS or 75uS
RDS (Radio Data System) Functionality	PTY, PS, TA, TP transmission
Emission Designator	150KF8E
Duty Cycle	100% continuous and uninterrupted
Pre-recorded Message Capability	Up to 5 Internal Messages
Multilingual Message Capability	Yes
Live voice messages	Yes

INTERFACE

Communications Interfaces	Ethernet, USB 2.0, RS232, CAN
Antenna Interface	SMA Female Receptacle
GPS Interface	SMA Female Receptacle
Ethernet Connector	RJ45

ELECTRICAL AND MECHANICAL

Weight	15.5 kg
Dimensions (W x D x H)	400mm x 250mm x 500mm
Power Requirements	90-264 Volts, 50-60Hz AC Mains
Power Consumption	20 Watts Idle, 300 Watts when operating
Operating Temperature Range (Ambient)	-30°C to +60°C
System Start-up Time	Less than 20 seconds

CERTIFICATIONS

Radiated Emissions	AS CISPR 25 Class 3
Flammability	AS/NZS 60950:2011
Safety	IEC60950-1, UL60950-1 EAC TP TC 004 approved
Immunity	ISO 11452-4:2006
Vibration/Shock	MIL STD 810F method 514.5, method 516.5



Radiolert is deployed in City Halls and MDRRMO offices to instruct residents in towns and cities how to respond to disasters.



Multiple Radiolert SG80 units can be used to cover a larger area.

