

SMR5000™ LONGRANGERF

SMART REPEATER

Up to 2 transceivers
capable of up to 4
channels combined

Optional 19" rack
mount configuration

Includes built in signal
strength measurement

Internet connectivity
(SMR5000IP™)



Operation

The SMR5000™ is a repeater that stores and forwards the data collected from the alarm transmitters using a secured licensed radio frequency.

The unique high power output (Up to 10 watts) is ideal for managing communication networks and extending transmission distances.

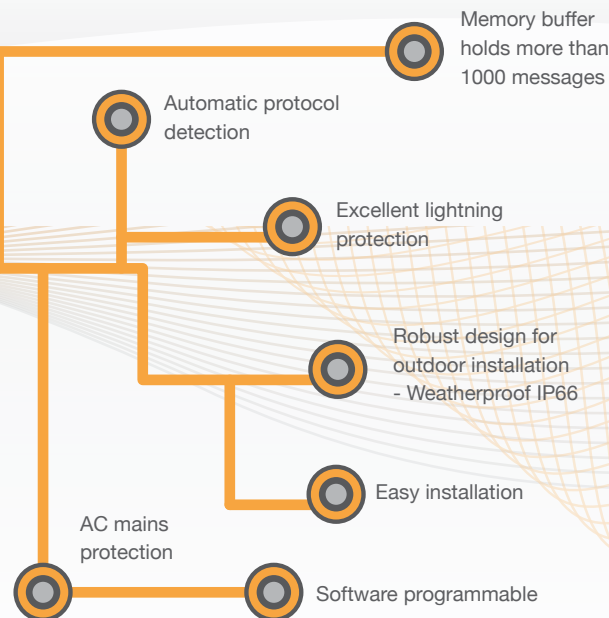
The SMR5000™ can extend the range of a local radio network up to a countrywide coverage.

Offered with up to 4 radio channels, it allows easy upgrade of existing network. Featuring both VHF and UHF options, the SMR5000™ channels are easily set by a PC utility software.

Performance

System flexibility and modularity allows network owners to easily expand coverage and performance as your company grows.

In addition, the SMR5000IP™ (IP downlink capabilities) adds versatility to the SMR5000™ configuration allowing remote areas to easily incorporate into your existing network.



The SMR5000™ Smart Repeater is a high powered long range device that receives signals from the AT5100™ Alarm Transmitter and forwards it to the central monitoring station.

Specifications

GENERAL

Power Supply	85-265 VAC, 45-46 Hz
AC Mains, Current Consumption	0.4A on 220VAC supply, 0.8A on 110VAC supply
Backup Battery	12 VDC, 2x7 Ah Sealed Lead Acid (not supplied)
Operating Temp.	-40°C to 70°C (-40°F to 158°F)
Storage Temp.	-40°C to 70°C (-40°F to 158°F)

RF TRANSMITTER

Frequency	VHF: 136-174 MHz & UHF: 410-512 MHz
Modulation	FM, FSK and DFM
Power Output	10 or 25 Watt (BSR100™ / GM340™)
Frequency Setting	Synthesized
Frequency Stability	±2.5 ppm
Spurious & Harmonics	+65dB
Deviation (factory adjusted)	2.2KHz for 12.5KHz bands, 3.3KHz for 25KHz bands
Operating DV Volt	10.5-14.5 VDC
Standby Current Consumption	300mA (typical with 2 transceivers)

RF TRANSMITTER CONT.

Transmission Current	3/8 Max, depends on output power and number of transceivers
Output Impedance	50Ω BNC connector

RF RECEIVER

Sensitivity	0.3μ V (-116DBM) for 12dB SINAD
Selectivity	65dB at ±12.5 KHz
Min. Detectable Signal	-118 DBM for KP protocols

STANDARDS

FCC (USA) using BSR100™ BSRU100™	FCC ID: H78KPBSR; Emmission Designator: 11K0F2D
ETSI (CE) using Motorola™ - GM340™	ETSI 300 113

PHYSICAL DIMENSIONS

Weight	20kg (44lbs) [without battery]
Size	395mm x 595mm x 155mm (15.5" x 24" x 6")

SMR5000™ LONGRANGERF SMART REPEATER



KP Electronic Systems Ltd

PO Box 42, Tefen Industrial Park Tefen, Israel 2495900 | T: +972 4 9873066 /
F: +972 4 9873692 | info@kpsystems.com / www.kpsystems.com