

EXR5000™

LONGRANGER™

EXTERNAL RADIO

High quality, high selective radio transceiver

High power output - 10 or 25 Watt output models

Built-in signal strength meter for transmitter installation and Signal Strength measurement

Internal wide range switching power supply and long-lasting backup battery

Digital radio design enables rapid unit modulation

Internal lightning surge arrester gives excellent protection

Robust mechanical design, 19" rack mount



The EXR5000™ high performance base station radio transceiver is the heart of a modern radio monitoring and control system. It offers durable and unbeatable functionality.

Keeping in line with KP's modular system designs, the EXR5000™ is an essential unit to central stations enabling greater and better radio reception. The larger the system, the greater the need for strength making the EXR5000™ a perfect companion.

The EXR5000™'s benefits and advantages make this unit stand strong under any condition.

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, 7 Ah Lead Acid (not supplied)
Operating Temp.	-30°C to 60°C (-22°F to 140°F)
Storage Temp.	-40°C to 70°C (-40°F to 158°F)
Signal Strength Meter	0.5uV-2uV analog meter, digital conversion (optional)
Backup Battery Operation Time	Min. 24 hrs. with fully charged internal battery, operation in transmit/receive ratio of 1:20

RF TRANSMITTER

Frequency	VHF: 136-174 MHz & UHF: 403-504 MHz
Modulation	FM, FSK and DFM

RF TRANSMITTER CONT.

Power Output	10 or 25 Watt
Frequency Setting	Synthesized
Frequency Stability	±2.5 ppm
Spurious & Harmonics	+65dB
Deviation (factory adjusted)	±5 KHz max for DFM 12.5KHz bands ±3.3 for 25 KHz bands on FSK
Operating DV Volt	10.5-14.5 VDC
Standby Current Consumption	120mA
Transmission Current	3/8 Max, depends on output power
Output Impedance	50Ω BNC connector

RF RECEIVER

Sensitivity	0.3μ V (-116DBM) for 12dB SINAD
Selectivity	65dB at +12.5 KHz

STANDARDS

FCC (USA) using BSR100™ BSRU100™	FCC ID: H78KPBSR100; Emmission Designator: 11K0F2D
ETSI (CE) using Motorola™ - GM340™	ETSI 300 113

PHYSICAL DIMENSIONS

Weight	7 kg (15.4lbs) [without battery]
Size	133mm x 482mm 302mm (5.25" x 19" x 12")

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WIRELESSDATASOLUTIONS

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