



"Next generation repeater with high performance, high reliability two-way radio service with all the features you need to connect your workplace."

MOTOTRBO SLR 5500 repeater

with Danimex Wall Mount and Duplexer Dock

MOTOTRBO™ SLR 5500 REPEATER

For your business to be successful, you need dependable voice and data communication that reach every corner of your operations. The MOTOTRBO SLR 5500 repeater delivers high performance, high reliability two-way radio service with all the features you need to connect your workplace.

With its sleek form factor and low power consumption, it is engineered for low cost of ownership and with a huge leap forward in technology, it represents the next generation in repeaters.

DUPLEXER DOCK

The Duplexer Dock has been developed to integrate the duplex filter directly into the same casing as the SLR 5500 repeater, making mounting solutions easier for wall, table and rack.

The perfect complimentary product for all infrastructure uses, in a smart and rigid frame.

Features

- 3mm aluminium for rigid frame and low shipping weight.
- 2 unit overall height ~ 89 mm (3 ½ inches).
- Same footprint as the SLR5500 Repeater.
- Short low loss cables included.
- Wall, table or rack mounting options.
- Package includes assembly and testing.
- Rack mount including rack mount front cover.

Mounting options

The SLR 5500 Duplexer dock has three options for placement: wall, desk or rack.

DUPLEXER

The Duplexer dock is designed to fit duplexers from Procom: DPF 2/6... and DPF 70/6...

HOW TO ORDER

Product name	Part no.
UHF Repeater with duplexer dock for wall and desk mount (excluding duplexer)	SLR5500 UHF
UHF Repeater	MDR10QCGANQ1AN
VHF Repeater with duplexer dock for wall and desk mount (excluding duplexer)	SLR5500 VHF
VHF Repeater	MDR10JCGANQ1AN

Backside with holes for wall mount



GENERAL SPECIFICATIONS

	VHF	UHF	300 MHz
Frequency Range	136-174 MHz	400-470 MHz	300-360 MHz / 350-400 MHz
Channel Capacity	64		
RF Output Power	1-50 W		
Dimensions (H x W x D)	44 x 483 x 370 mm (1.75 x 19 x 14.6 in)		
Weight	8.6 kg (19 lbs)		
Input Voltage (AC)	100-240 Vac, 47-63 Hz		
Current (standby), 110 / 240 V	0.18 / 0.25 A		
Current (transmitting), 110 / 240 V	1.5 / 0.9 A		
Input Voltage (DC)	11.0-14.4 Vdc		
Current (standby)	0.7 A		
Current (transmitting)	9.5 A		
Operating Temperature Range	-30 to +60 °C (-22 to +140 °F)		
Humidity	RH of 95%, non-condensing at 50 °C (122 °F)		
Max Duty Cycle	100%		
FCC Description	ABZ99FT3094	ABZ99FT4096	-
IC Description	109AB-99FT3094	109AB-99FT4096	-
Digital Vocoder Type	AMBE+2™		
Battery Charger Capacity	12 V, 3 A		
Connectivity	Tx (N female), Rx (BNC female), USB A receptacle, 2x Ethernet		
Supported System Types	Digital Conventional, IP Site Connect, Capacity Plus (Single Site and Multi-Site), Capacity Max, Connect Plus Analogue Conventional, MPT 1327		

RECEIVER

	136-174 MHz	400-470 MHz	300-360 MHz / 350-400 MHz
Frequency Range	136-174 MHz	400-470 MHz	300-360 MHz / 350-400 MHz
Channel Spacing	12.5 / 20 / 25 kHz		
Frequency Stability (-30°C, +60°C, +25°C Ref)	+/- 0.5 ppm		
Sensitivity, 12dB SINAD	0.22 µV		
Sensitivity, 5% BER	0.22 µV		
Selectivity (TIA603D), 12.5/20/25 kHz	55 / 83 / 83 dB	55 / 80 / 80 dB	55 / 80 / 80 dB
Selectivity (TIA603), 12.5/20/25 kHz	68 / 83 / 83 dB	68 / 80 / 80 dB	68 / 80 / 80 dB
Selectivity (ETSI), 12.5/20/25 kHz	63 / 70 / 70 dB		
Intermodulation Rejection (TIA603D/ETSI)	82 / 73 dB		
Spurious Rejection (TIA603D/ETSI)	95 / 90 dB		
Audio Distortion	< 1%		
Hum and Noise, 12.5/20/25 kHz	-45 / -45 / -50 dB		

TRANSMITTER

	136-174 MHz	400-470 MHz	300-360 MHz / 350-400 MHz
Frequency Range	136-174 MHz	400-470 MHz	300-360 MHz / 350-400 MHz
RF Output Power	1-50 W		
Max Duty Cycle	100%		
Channel Spacing	12.5 / 20 / 25 kHz		
Frequency Stability (-30°C, +60°C, +25°C Ref)	+/- 0.5 ppm		
Intermodulation Attenuation	40 dB		
Adjacent Channel Power (TIA603D), 12.5/20/25 kHz	62 / 78 / 78 dB		
Adjacent Channel Power (ETSI), 12.5/20/25 kHz	62 / 78 / 78 dB		
Conducted Spurious Emissions	-36 dBm < 1 GHz, -30 dBm > 1 GHz		
Modulation Fidelity (4FSK)	FSK Error 5%, FSK Magnitude 1%		
Audio Response	TIA603D		
Audio Distortion	< 1%		
Hum and Noise, 12.5/20/25 kHz	-45 / -45 / -50 dB		
Rated System Deviation, 12.5/20/25 kHz	±2.5 / ±4.0 / ±5.0 kHz		