

# MOTOTRBO™ SLR 1000 REPEATER

## COVERAGE WITHOUT COMPLICATIONS



### GENERAL SPECIFICATIONS

	UHF
Frequency Range	400-527 MHz
Channel Spacing	12.5 / 20 / 25 kHz
Frequency Stability	0.5 ppm
Frequency Generation	Synthesized
Channel Capacity	64
RF Output Power	1-10 W
Dimensions* (H x W x D)	279.4 x 228.6 x 101.6 mm (11 x 9 x 4 in)
Weight*	4.54 kg (10 lbs)
Input Voltage (DC)	12 V (11.0-15.5 V)
Current (standby)	0.7 A (0.63 A typical)
Current (transmitting at 10 W)	3A (typical)
Input Power Modes	DC only, Optional AC/DC Power Supply Available
Operating Temperature Range	-30 to +60 °C (-22 to +140 °F)
Ingress Rating	IP65
Max Duty Cycle	100%
Digital Vocoder Type	AMBE+2™
Connectivity, left side	Rx (N female)
Connectivity, right side	Tx (N female)
Connectivity, bottom	USB B Receptacle, 1x Ethernet, RJ45 Accessory Connector, DC Input
Modes of Operation	Half Duplex / Duplex

### GENERAL SPECIFICATIONS

	UHF
Supported System Types	Digital Conventional, IP Site Connect, Capacity Plus, Capacity Max, Connect Plus. Analogue Conventional, Digital Voting, MPT 1327.
Audio Levels	Input: Unbalanced: Adjustable, 80 mV rms nominal for 60% RSD. Output: Unbalanced: Adjustable, 330 mV rms nominal @ 60% RSD.
FCC Emission Designators	11K0F3E, 16K0F3E, 7K60FXD, 7K60F7D, 7K60FXE, 7K60F7E, 7K60F7W, 7K60FXW
FCC Type Acceptance	ABZ99FT4100
IC Description	109AB-99FT4100

### RECEIVER

	UHF
Frequency Range	400-527 MHz
Sensitivity, 12dB SINAD	0.3 uV (0.22 uV typical)
Sensitivity, 5% BER	0.25 uV (0.18 uV typical)
Selectivity (TIA603D), 12.5 / 20 / 25 kHz	50 / 75 / 75 dB
Selectivity (TIA603), 12.5 / 20 / 25 kHz	65 / 75 / 75 dB
Intermodulation Rejection (TIA603D/ETSI)	80 / 70 dB (82 / 73 dB typical)
Spurious Rejection (TIA603D/ETSI)	85 / 75 dB (95 / 90 dB typical)
Audio Distortion	< 3% (<1% typical)
Hum and Noise, 12.5 / 20 / 25 kHz	-45 / -50 / -50 dB
Blocking	-57 dBm

\* Without brackets or other peripheral equipment



## TRANSMITTER

	UHF
Frequency Range	400-527 MHz
RF Output Power	1-10 W
Max Duty Cycle	100%
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
Modulation Fidelity 4FSK	FSK Error 5% FSK Magnitude 1%
Conducted Spurious Emissions	-36 dBm < 1 GHz, -30 dBm > 1 GHz
Audio Response	TIA603D / ETSI
Audio Distortion	<1%
Hum and Noise, 12.5 / 20 / 25 kHz	-45 / -50 / -50 dB
Rated System Deviation, 12.5 / 20 / 25 kHz	±2.5 / ±5.0 / ±5.0 kHz



## PRODUCT MEETS

- ETSI 300-086
- ETSI 300-113
- TIA603D
- CE Marked
- RoHS2-Compliant
- UL Listed
- Digital Protocol  
ESTI TS 102 361  
(DMR Tier II and III)

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info@anfer.com www.anfer.com

Tel. (+34) 963 311 410 Fax. (+34) 963 311 411

To get connected with MOTOTRBO, please contact your local  
Motorola Solutions representative or visit [motorolasolutions.com/MOTOTRBO](http://motorolasolutions.com/MOTOTRBO)

Motorola Solutions Ltd. Nova South, 160 Victoria Street, London, SW1E 5LB, UK.

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