

4721

VHF DMR Mobile Radio



General Properties

- Analog and Digital Mode
- Appropriate to DMR Standard
- User Notifications and Alerts
- LCD Screen
- Alphanumeric Keypad
- Graphical User Interface
- Call Log
- Caller ID
- 3 Level RF Power Level
- Channel Search
- Sending Time Limit
- Menu Authorization
- Computer Aided Repair
- Show and Send Location Via External GPS
- Appropriate to MIL-STD-810C/D/E/F/G Standards
- Appropriate to ETSI 300-086 (Analog), ETSI 300-113 (Digital:DMR) standards

Digital Mode Properties

- Group Call
- Individual Call
- Emergency Call
- SMS (Radio to Radio)
- Data Communication (with data software pack)
- Status Message
- Encryption (Optional)
- Phone Book
- Call Alert

Standards

IEC 61149	MIL-STD-810C/D/E/F/G
ETSI EN 300 086-2	TTTE Directive
ETSI EN 300 113-2	TIA-102.CAAB-D
ETSI EN 301 489-1,5	TIA-603-D
ETSI EN 60950	

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General Technical Specifications

Modulation	Analog FM, 4FSK (DMR)
Channel Range	12,5 / 25 kHz (Analog) 12,5 kHz (DMR)
Data Speed (Digital)	1,8 kb/s
Voice Encoder	AMBE++
Encryption Algorithms	AES
Channel Numbers	256
Power Supply	13,6 Vdc \pm 20%
Screen	64 x 128 pixel LCD
Keypad	20 key (backlit)
Dimensions (HxWxD)	46 x 165 x 165 mm (except borders)
Weight	1,50 kg
Operation Temperature	-30°C / +60°C
Storage Temperature	-40°C / +85°C
Humidity	% 95@ 50°C

Receiver Technical Specifications

Frequency Range	136-174 MHz
Audio Output Power	7,5 W / 8 Ω
Maximum Sensitivity	<-110 dBm
Intermodulation Rejection	\geq 70 dB
Spurious Response Rejection	\geq 70 dB
Side Channel Selection (12,5 kHz channel)	\geq 60 dB
Audio Distortion	\leq 5%

Transmitter Technical Specifications

RF Output Voltage	10-40 W
Frequency Accuracy (-30°C / +60°C; 25°C ref)	\pm 2 ppm
Modulation Limitation (12,5 kHz channel)	\pm 2,5 kHz
Transmitted Spurious Broadcasting	-36 dBm @ < 1 GHz

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