

4715

UHF DMR Portable Radio



General Properties

- Analog and Digital Mode
- Appropriate to DMR Standart
- User Notifications and Alerts
- LCD Screen
- Alphanumeric Keypad
- Graphical User Interface
- Call Log
- Caller ID
- 3 Level RF Power Level
- Channel Search
- VOX (with Audio accessories)
- Sending Time Limit
- Menu Authorization
- Computer Aided Repair
- Appropriate to MIL-STD-810C/D/E/F/G Standarts
- Appropriate to ETSI 300-086 (Analog), ETSI 300-113 (Digital:DMR) Standarts
- Backward compatibility in analog mode

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	

4715

UHF DMR Portable Radio

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	7,5 Vdc $\pm$ 20%
Screen	64 x 128 pixel LCD
Keypad	18 key (backlit)
Dimensions (without battery)(HxWxD)	130 x 58,5 x 17 mm (except borders)
Weight (Except Antenna and Battery)	210 g
Operation Temperature	-30°C / +60°C
Storage Temperature	-40°C / +85°C
Humidity	95% @ 50°C



PTT and Keypad



DMR



Volume and Channel Pots

4715

UHF DMR Portable Radio

Receiver Technical Specifications

Frequency Range	380-470 MHz
Audio Output Power	1W / 8 Ω
Sensitivity	≤ -116 dBm
Intermodulation Rejection	≥ 65 dB
Spurious Response Rejection	≥ 70 dB
Audio Distortion	$\leq 5\%$

Transmitter Technical Specifications

RF Output Voltage	1-5 W
Frequency Accuracy (-30°C / +60°C; 25°C ref)	± 2 ppm
Transmitted Spurious Broadcasting	-36 dBm @ < 1 GHz

Battery Specifications

Type	Capacity (mAh)	Duty Circle 5-5-90 Running* @5W	Weight (g)	Dimensions (HxWxD) (mm)
High Capacity Ni-MH	1900 mAh	> 15 hour (with power saving)	205	110 x 51 x 18
High Capacity Li-Ion	2300 mAh	> 18 hour (with power saving)	150	110 x 51 x 24

* Results had been recorded in Digital mode with 5W output power in normal conditions for TIA 603-D