

MV MP600



MULTI ROLE RADIO PORTABLE MP600 / VEHICLE MV600

VHF Radios for CNR Voice and Advanced Data Network Services

Multi Role Radio (MRR) is a state-of-the-art military VHF radio family (Handheld, Portable and Vehicular). MRR is equally suited for both CNR voice and advanced data network services. The MRR radios are all Software configurable. MP600 is portable and MV600 is the vehicular version.

Patented NBDS technology (Narrow Band Direct Sequence Spread Spectrum) enable reception in negative signal-to-noise ratio and in multipath conditions. NBDS greatly enhance EPM. MRR has battle proven superior tactical range and experience significantly less "black holes".

Packet-Data Radio: The radio combines voice and multi hop packet data in the same service integrated net. The radio automatically detects the type of traffic and present the information to the user accordingly. Handles simultaneously voice and data traffic.

MP600 and MV600 are built on a modular concept where the basic units are used in the portable as well as for the vehicle radio. The Control Terminal may be separated from the Transceiver. The high capacity Li-Ion battery gives the radio an excellent battery lifetime.

A range of accessories are available. These enable the radio to be integrated in vehicles and being carried by soldiers. A range of efficient antenna solutions are available. Together with the MRR special waveform this ensures long range capability.

FEATURES

- Ethernet 10/100BASE-TX Interface.
- Standard RS232 Data Interface: Connect Your Laptop or PDA Directly.
- Tactical SMS Built In.
- Superior Resistance to Jamming & Interference.
- Built in Encryption, Handling NATO SECRET.
- VoIP call towards connected Tactical Area Network.
- Detachable Remote Control Terminal: Cup to 1500 Meters with two-wire field cable.
- Long battery lifetime.
- Excellent Voice Quality.
- Cosite Filter Available.



AVSNITT OVERSKRIFT 10 PT / 12PT/ 100 PT

Man machine is intuitive and based on modern concepts.

MRR is ideally suited for air defence applications, where time critical data transfer and error control is essential.

MRR gives superior range due to the waveform characteristics and multi path handling.

The Control terminal and the transceiver may be separated by up to 1500 metres. This gives enhanced freedom in positioning and repeater deployment.



TECHNICAL DATA

Frequency range:	30.000-87.975 MHz (2320 channels)
Bandwidth:	45 kHz
Output Power:	10 mW, 0.5 W, 5 W, 50 W (MV600 with power amplifier)
EPM Modes:	Fixed Frequency (Narrow Band Direct Sequence) Combined Frequency hopping and NBDS mode available
FM analogue modes:	AN/PRC77 and STANAG 4204
Digital Voice:	2.400 bps MELPe
Transmission Data Rates:	Up to 20 kbit/s (with forward error correction), Ethernet 10/100BASE-TX, IPv4, OSPF and SNMP
Data Interface:	Standard RS-232 asynchronous, up to 115,2 kbps IPv4 – PPP GPS NMEA
Analogue interface:	Balanced 8 wire
Battery Lifetime:	More than 18 hrs (8:1:1) at -20°C or above
Power supply MP600:	14.4 V Li-Ion Battery
Battery Lifetime MP600:	More than 18 hrs (8:1:1)
Power Supply MV600:	VDC
Power consumption:	
Sensitivity:	MELPe Voice: - 117 dBm FM Voice: -112 dBm 20 Kbps data : -111 dBm
Operational temperature:	-35°C to + 55°C
Environmental spec:	Mil Std 810C/C/810G
Physical characteristics:	MP600: 300 mm x 246 mm x 82 mm with battery MV600: 418 mm x 367 mm x 221 mm with 50 W and Cosite filter
Weight:	MP600: 6,4 kg with battery and antenna MV600: 18,8 kg with 50 W and cosite filter