

MERPATI

Secured Communication

Seamless Clarity, Secure Communication

Designed for modern tactical communications, MERPATI delivers secure, seamless digital voice over HF SSB (Single Sideband) and VHF radio networks. Powered by advanced DSP (Digital Signal Processing) technology and broad radio compatibility, MERPATI ensures clear audio, enhanced intelligibility, and reliable performance for military, homeland security, and professional operations.

Key Features

-  Digital Voice (Maintain Clarity)
-  Field Ready (Plug and Play)
-  Multiple Bit Rate (130 - 2400 bps)
-  Secure Voice (AES-256, PQC Ready)
-  Robust Performance
-  Broad Compatibility (Most HF and VHF Radios)



Technical Specifications

General		Specification	
Installation		Connection to the radio connector	
Operating Temperature		-30° to +60°C	
Supply Voltage		+6...+36 VDC	
Technical			
Bandwidth		400 to 2600 Hz	
Channel Modulation		Flexible PSK modulation options • BPSK for robust communications and • QPSK for higher data rates	
Housing		Commercial / ruggedize (customize)	
Operation Mode		Plug & Play	
Vocoder		600/1200/2400 bps	
Speaker		Built-In	
Security			
Encryption Algorithm		AES256	
Length of Key		256 bit	
Selection of User Codes		Manually	
External Algorithm		Available	
Interfaces		Options	
Connector	As per request	Key Management	Management software and RS232 cable