



Boerboel RF Master 3.0 System is a comprehensive and scalable solution for electronic warfare, ensuring superior operational control and security in critical scenarios.

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Boerboel RF Master 3.0

SMART DESIGN.
FLAWLESS PERFORMANCE.

**MONITORING
CLASSIFICATION
RF DIRECTION FINDING
JAMMING**

BOERBOEL

Introduction

Boerboel RF Master 3.0 is a state-of-the-art system designed to identify, monitor, and prevent unauthorized communications. It integrates advanced digital receivers and jammers, offering high-performance spectrum monitoring, direction finding, and signal suppression. The system is scalable and deployable in mobile shelters with an independent power source.



Wide Frequency Coverage	Multi-Function Capability	Stealth Operation
Flexible Deployment Options	KEY FEATURES	Automated & Manual Control
Advanced Direction Finding		High Mobility & Rapid Deployment

Main Characteristics

- Wide Frequency Coverage:** Operates across HF/VHF/UHF/SHF bands. The exact frequency range can be customized based on the customer's needs.
- High Mobility:** Deployable in rugged environments with independent power supply.
- Automated & Manual Control:** Supports both pre-configured and real-time adjustments.
- Multi-Function Capability:** Combines monitoring, direction finding, and jamming in a single platform.
- Secure & Resilient:** Designed for continuous operation in extreme climatic conditions.

Capabilities

- Monitoring & Classification:** Detect, analyze, and classify signals across HF/VHF/UHF/SHF bands.
- Direction Finding (DF):** Locate and track signals, including frequency-hopping and burst transmissions.
- Jamming:** Suppress communications in selected frequency bands using both manual and automated modes.
- Data Storage & Analysis:** Continuous recording for offline analysis and intelligence gathering.
- Stealth operation** in reactive mode due to no constant emission.

Operating Modes

- Active:** Continuous monitoring, classification, RF direction finding and jamming.
- Reactive:** multi-bans, multi-channel engagement. Instead of jamming all frequencies at once, it only targets active transmissions.
- Mixed:** combination of active and reactive modes.

System Components

- Monitoring System:** Antennas, receivers, processing units, and a reconnaissance server.
- Jamming System:** High-power antennas, amplifiers, and reactive jamming technology.
- Direction Finding System:** Automated signal location and tracking.
- Operational Workstations:** Integrated with monitoring and jamming control software.



Out-of-the-box principle

Deployment & Infrastructure

- Mobile Shelters:** Shielded, air-conditioned, and equipped for extreme conditions, a wheelbase or trailer mounted.
- Power Supply:** Diesel generator with remote control and 12-hour operational autonomy.
- Transport Options:** 6x6 all-terrain truck and/or trailer configuration.
- Mast System:** Electric or manual lift with an 8m height for optimal antenna deployment.

