

# VOICE MANAGER - INTEGRATED®

Software Defined Rugged Intercom

Inter-communicator, Radio communicator and integrated VoIP services.

## Tactical System for Voice Management

### INTERCOMMUNICATOR

Facilitates internal voice communications in vehicles and stations, providing advanced options.

### RADIO-COMMUNICATOR

Offers access to 6 HF, VHF, UHF, Satellite, etc. radios, from the equipment itself and from any point on the LAN network.

### VoIP SERVICES

Completely compatible with VoIP services and solutions equipped with a SIP protocol such as Call Manager, Asterisk, etc.

### SERVER AND CLIENT

Includes direct Server and Client services with no need for any other additional equipment.

### SOFTWARE DEFINED

Completely expandable software-defined system.



- Integrated System for Voice Management in Tactical Environments.
- Capacity to integrate up to 6 HF, VHF, UHF, etc. radio devices from any manufacturer.
- Intercom function (Tactical Intercommunicator) with integration of network radio voice and VoIP services.
- Integrated VoIP and telephony services, interoperable with existing infrastructures.
- Voice management client interface physically accessible on VMI, or remotely from compatible devices.
- VoIP / SIP Voice compatible.

VMI is a complete software-defined voice management system developed by RF Española that includes intercom and radio communicator features, as well as VoIP services.

Besides its server equipment capabilities, VMI directly provides advanced client services.

Thanks to its radio communicator capabilities, VMI enables up to 6 radio devices to be incorporated into the combat radio network extending their control to any point of the LAN network. By integrating radio equipment, VMI provides advanced capabilities such as automatic relays, selective calling using remote control of equipment, radio call transfer to remote access units, alarms, etc.

Its intercom capabilities include the possibility of integrating via Ethernet up to 10 operators with remote access equipment (RAU), 30 VoIP clients (hardware or software) and 30 clients using "Voice Manager" software.

VMI is an easily installable and robust piece of equipment that can be integrated with radio equipment made by any manufacturer and with existing VoIP equipment, providing an unrivalled flexibility.

Thanks to VMI, the combat radio network can be efficiently incorporated into existing digital and analogical telephony networks.

Integrated Voice Manager is a product wholly designed and developed by RFE in Europe.



**RFE**  
RF ESPAÑOLA

Technology and Communications

## Main System Characteristics

### INTEGRATION

- Integration with HF, VHF, UHF Radio and Satellite communications systems (up to 6 devices).
- Compatible with various manufacturers' radio equipment: HARRIS, THALES, EXELIS, BITTIUM, Rockwell Collins, etc.
- Compatible with different working methods and device encoders.
- Network integration using a standard Ethernet connection.
- Direct integration with standard VoIP equipment such as Hardware and Software IP telephones, supporting up to 58 devices of this type. Integration with up to 30 "Voice Manager" software clients.
- Supports integration via Ethernet of up to 30 Remote Access Units (RAU).
- Integration via Trunks with specialized VoIP Servers, such as Cisco Call Manager, Asterisk
- Freeswitch, OpenSIPS, etc.
- Compatible with FXS/FXO gateways to analogue links (Cisco 8800, SPA Linksys,...).

### INTER-COMMUNICATOR

- Tactical Intercom functions which provide Full Duplex Internal Voice communications.
- Equipment specially designed for facilitating internal voice communications on board of vehicles and ships and inside communication centres.
- Possibility of configuring different Voice groups (rooms) for intercom users.

### RADIO-COMMUNICATOR

- Capability for connecting and integrating up to 6 CNR and SDR radios from different manufacturers with different working and encryption modes.
- Possibility of configuring up to 6 different Voice groups with one or several associated communications devices.
- Integrated Voice Gateway responsible for routing the audio between VoIP devices and radio networks.
- Configuration templates for each piece of radio equipment to optimize communications.
- Potent Relay system.

### IP / SIP VOICE SERVICES

- Integrated VoIP Server and Gateway. VoIP client included in the equipment itself to exploit communications that enable VoIP calls to be made simply.
- SIP server that enables VoIP equipment such as telephones, Gateways, other servers, etc. to be integrated.
- Supports prioritization of VoIP network traffic.

### IHM

- Complete Administration Interface in the VMI device itself. 5" LCD 24-bit Colour screen 800x480 resolution.
- Administration configuration from WEB interface accessible from LAN.
- Operator interface (client) included in the device itself (VMI), which provides every operating possibility.
- The operator can configure and use radio media, make VoIP calls, transfer calls, generate and view alarms, manage rooms, activate relays, radio broadcasting, etc. from the VMI equipment interface.

### REMOTE ACCESS UNIT (RAU)

- Compatible with robust client REMOTE ACCESS UNIT (RAU) equipment by RF Española. This equipment enables connection with VMI server equipment via LAN providing operators with direct access to radios simply by connecting a hands-free headset with a standard PTT. Access to radio communications from any LAN point.
- Possibility of connecting up to 30 RAU units with the VMI server.
- Communications and internal intercom between the different clients: VMI, RAU and VM (SW), VoIP telephones.

### VOICE MANAGER

- Compatible with the "Voice Manager" software solution, which enables provision of a single access node to radio and satellite voice networks for different operators using conventional PCs connected via a LAN network.

### AUDIO CONNECTIONS

- Two MIL-DTL-55116 audio outputs (5 pins) Output: 7.5W (8Ω), 3.1W (4Ω), Input: -70 dBFS THD+N @48Khz (16 bits)
- Direct connection for up to two hands-free headsets with PTT or a hand-free headset with PTT plus a loudspeaker.

### INSTALLATION & CONFIGURATION

- WEB Configuration.
- VMI Configuration.
- Configuration using mission file.
- SNMP management.

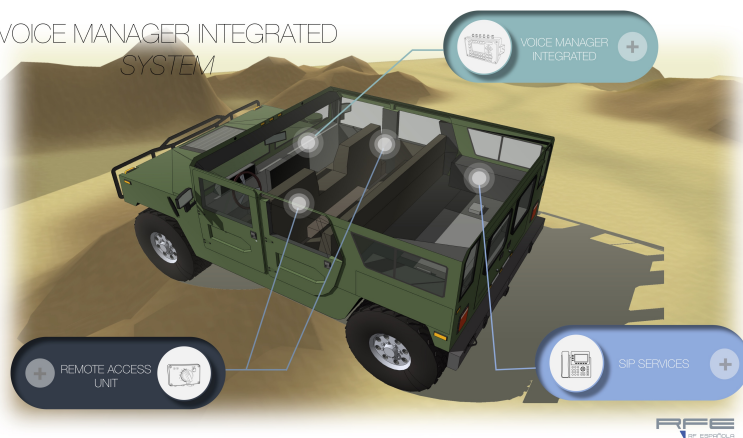
### TOOLS

- Selective calling.
- Predefined alarm transmission and reception.
- GPS positioning
- SNMP management protocol.
- CNR encryption (Optional).

### SPEC. DIMENSIONS AND WEIGHT

- Dimensions: 250 x 150 x 120mm
- Weight: 2.7 Kg
- Temperature: -20 to 60°
- Humidity and dust: IP67
- Power supply: 24v.

### VOICE MANAGER INTEGRATED SYSTEM



## System Requirements

PC for configuration via WEB interface: Chrome, Safari, Edge, Internet Explorer, etc.

Optional: RAU Clients (Remote Access Unit). Optional: Software Voice Manager

Clients. Optional: IP Voice telephone Clients.

Optional: TACLINK, GESCOMET or TXARQ Communication Managers.

**RFE**  
RF ESPAÑOLA

Av. Asturias 10,

Madrid 28905

Tel +34 91 308 17 01

Fax +34 91 733 03 48

www.rfe.es

To obtain more information about our products and services, please visit us on the web: [www.rfe.es](http://www.rfe.es)