

GOVERNMENTAL & SECURITY

BROCHURE

- Voice & Data Security
- Position Tracking and Navigation
- Messaging: Email, Chat, File Transfer, etc
- Embedded Robust Modem
- Standards based Modem
- Works with any HF or VHF Radio
- BLOS Email Solution
- BLOS Secure Voice Solution



CLEAR DIGITAL ADVANTAGE

RapidM

The RapidM Governmental range features products from multiple families

RapidM's Governmental and Security Communication products are custom developed for governmental agencies, police, first responders and paramilitary forces requiring Beyond-Line-of-Sight (BLOS) communications. The products provide affordable proprietary HF and VHF data communications as well as standards-based HF solutions for 2G ALE and MIL-STD-188-110B (RM family). The RA family of products improves communications reliability and offers secure long-range and BLOS voice, position and data services over existing HF and VHF radio transceivers.

RM vs RA Comparison

RM2 Data Modem



RM2 is a compact HF and VHF/UHF data modem for standards based governmental and NGO communications. The maximum data rate is 9600 bps over a standard 3 kHz HF (SSB) or 96000 bps over a 24 kHz V/UHF radio link.

RA2 Secure Voice Data Modem



RA2 is a high performance secure digital voice modem. The RA2's built-in AES-256 encryption ensures that all digital voice and data communications are secured by a trusted algorithm.

Standards: MIL-STD-188-110A/B	●	
2G ALE: MIL-STD-188-141B	●	
VHF Waveform: Proprietary	●	
Encryption: RapidM AES-256		●
Packet Data: RapidM Proprietary		●
Digital Voice: RapidM Proprietary		●
Messaging: PC Software	RC50: Email with attachments	MessagePoint: Email, Chat & File Transfer

TrackPoint



TrackPoint is a Situational Awareness application that aids 1st Responders, Customs and Border, Paramilitary and Governmental officers in visualization and communication. It allows rapid and intelligent control. **TrackPoint** has been designed to run on a touch-screen tablet PC or laptop computer running a Windows operating system. Positions of RA devices and other points are over-laid on detailed image and vector maps. **TrackPoint** includes Voice, Text, SMS, Email, File Transfer, Form and Report Message support as well as position push, pull and geofencing.

GatePoint



GatePoint serves as bridge between networks, with the Radio Network on one side and Email Intranet and/or GSM Networks on the other side. The software provides email routing, compression, prioritization and resumption as well as ability for GSM SMS messages to be sent and received. Multiple **GatePoint** servers can be set up for a single radio network, allowing for routing flexibility & redundancy.



GSM Network



Intranet LAN

Features & Benefits of the RA system:

The RA1, RA2, RA3, RA5 and RA7 are rugged Governmental services terminals that works with any HF, VHF or UHF radio to provide a digital upgrade to the existing radio network. It provides accurate and reliable communication, boosting operator confidence.

The RA1 family Products are easy-to-use and provides seamless interoperability between radios from diverse vendors. The built-in robust modem provides high-performance voice and data communications.

RA1 Secure Voice & Position Modem / Wearable

Solution for handheld and manpack radios providing secure voice and position services



RA2 & RA3 Secure Voice & Position Modem/ Mobile

Standard and robust vehicle solutions providing secure voice and position services



RA5 Secure Voice & Data Terminal / Handheld

Versatile manpack and vehicle solutions providing secure voice, position and messaging services



RA7 Secure Voice & Data Modem / Rack-Mount

19" rack base solution providing secure voice, position and messaging services



Existing Radio Network

MessagePoint



MessagePoint's user interface, together with RA modems and terminals, offers users the ability to send and receive threaded chat messages and transfer files easily, efficiently and reliably over HF and V/UHF radio links. **MessagePoint** is a Microsoft® Windows® application. Recipients can be selected from an Address Book. Email is supported via the POP3 & SMTP interfaces using well known email clients such as Microsoft® Outlook®. **MessagePoint** will ensure accurate delivery to other RA users on the radio network.

RA family Services

- Secure Digital Voice**
RA provides the next-generation BLOS radio speech encryption solution for broadcast and private line communication. RA Secure Digital Voice (SDV) uses the latest TWELP** low-rate vocoder. This is combined with AES-256 encryption and modulated for HF/VHF/UHF use by a RapidM proprietary Digital Voice waveform.
- Position**
Position push and pull capability of the RA units provides an up to date BLOS Blue Force and Situational Awareness picture.
- Messaging**
RA provides fast accurate BLOS messaging services such as: Chat and QuickText, File Transfer: Pictures, etc, Email with attachments, SMS to GSM Networks





RA1
Secure Voice & Position
Modem / Wearable



RA2
Secure Voice & Position
Modem / Mobile



RA3
Secure Voice & Position
Modem / Vehicular



RA5
Secure Voice & Position
Terminal / Handheld



RA7
Secure Voice & Position
Modem / Rack-Mount



MessagePoint
Messaging Software



GatePoint
Email Gateway Software



TrackPoint
Situational Awareness
Software



Vehicle Mount: RA5



Tactical Headset & PTT



Radio Cables - Various



RA3 & RA5 Shock Mounts



RA2 & RM2 Mounting Kit



H-250/U Handset



RA5 Navigation Pouch



RM2
HF & V/UHF Data Modem



RM4
HF & V/UHF Data Modem



RC50
S5066 Email Software



RM2-MARS
HF 110A Data Modem



TC4-MARS
Modem for Icom IC-F8101



RC50 for Icom
S5066 Email Software