

# Email & SMS Gateway Software

DATASHEET

		SNR		■ →000000000 ×	FER ← →				
	1 GENRADIO-15DBM	C		BASE	rtango		·	Ψ	
ADDRESS BOOK		TEXT	📩 INBO	к 🔹 оитвох	🖙 GATEWAY				
ALL 🔁 [1]	•1))	E-MAIL GATE	VAY QUEUE						
9C	<b>.</b>		rom	То	Subject	Size	Time	State	
ALPHA		ECHO@raptawc.		bravo@gmail.com	WEATHER UPDATE			Message delivered	
AREACMD1		BASE@raptawc. TACHQ@raptaw		delta@gmail.com delta@gmail.com	Site Photo Attached RE:Report Attached			Message delivered Message delivered	
		BASE@raptawc.		delta@gmail.com	[Delivery Status] Repo			Message delivered	
AREACMD2	<b>I</b>	rainero@rapidm	.com	tachq@raptawc.rf.rapi	Report Attached	37683	08:23:24	Message delivered	
AREACMD3									
88	27								
BRAVO									
BRAVU		-							
			01515						
RECENT TEXT		GSM GATEWAY	-		SECI	IRE			
RECENT TEXT	09:00	From	То		SEGI 255age 2650068	Size	Time	State	
RECENT TEXT ALL & []]	09:00		-	Ma Looking forward to your Received loud and clear.	-	Size 32 25	Time 08:46:26 08:40:05		_
RECENT TEXT ALL & [][1]	09:00 READABLE 08:45	From +27795707953	To BASE	Looking forward to your	response	32	08:46:26	State Received Message delive Message deliver	GSM SM
RECENT TEXT ALL & [][1]	09:00 READABLE 08:46 D your response	From +27795707953 +27829593718 LIMA ZULU	To BASE LIMA +27829953718 +27823998393	Looking forward to your in Received loud and clear. HAVE YOU RECEIVED AN ARRIVED AT RENDEZVOL	UPDATE YET? US POINT	32 25 32 27	08:46:26 08:40:05 08:37:24 08:31:39	State Received Message delive Message deliver Message deliver	GSM SM and Ema
RECENT TEXT ALL & [][1]	09:00 READABLE 08:45	From +27795707953 +27829593718 LIMA ZULU	To BASE LIMA +27829953718 +27823998393	Looking forward to your in Received loud and clear. HAVE YOU RECEIVED AN ARRIVED AT RENDEZVOL	UPDATE YET?	32 25 32 27	08:46:26 08:40:05 08:37:24	State Received Message delive Message deliver	GSM SM and Ema to and
RECENT TEXT ALL & [][1]	09:00 READABLE 08:46 D your response	From +27795707953 +27829593718 LIMA ZULU	To BASE LIMA +27829953718 +27823998393	Looking forward to your in Received loud and clear. HAVE YOU RECEIVED AN ARRIVED AT RENDEZVOL	UPDATE YET? US POINT	32 25 32 27	08:46:26 08:40:05 08:37:24 08:31:39	State Received Message delive Message deliver Message deliver	GSM SM and Ema to and from the
RECENT TEXT ALL & [][1]	09:00 READABLE 08:46 D your response	From +27795707953 +27829593718 LIMA ZULU	To BASE LIMA +27829953718 +27823998393	Looking forward to your in Received loud and clear. HAVE YOU RECEIVED AN ARRIVED AT RENDEZVOL	UPDATE YET? US POINT	32 25 32 27	08:46:26 08:40:05 08:37:24 08:31:39	State Received Message delive Message deliver Message deliver	GSM SM and Ema to and

## FEATURES & BENEFITS:

- Gateway between HF & V/UHF and IP networks
- Multiple Gateway IP interconnect routing
- Email & GSM SMS Gateway

GATEPOINT

- EMCON support
- O Chat interface: Broadcast and Point-to-point
- O Broadcast on all scan list frequencies
- File transfer capability
- O External Email Client Interface
- Delivery Notification
- O Compression, Resumption, Prioritization
- MS Windows<sup>®</sup> Software Package

# Message Routing: Radio To Fixed Network

**GATEPOINT** is a Microsoft<sup>®</sup> Windows<sup>®</sup> application that interfaces between the radio network and the IP, Email and GSM networks (fixed infrastructure).

THE **GATEPOINT** email interface, together with **RT** and **RA** modems and terminals, offers users the ability to route emails and SMS messages efficiently and reliably over existing HF and V/UHF radio links.

The *Multi-Gateway* routing capability drastically improves HF radio network connectivity by allowing existing transmit and receive stations to be interconnected. Messages and data can thus be routed through multiple possible shore stations in an intelligent mechanism using the best available path.

**Email** is supported via the POP3 & SMTP interfaces. Users can compose emails using well known email clients such as Microsoft<sup>®</sup> Outlook<sup>®</sup> and Thundebird<sup>™</sup>. *GatePoint* will ensure they get delivered accurately to other users on the radio network.







		<ul> <li>a LOG REPORT - Message (HTML)</li> </ul>	
	Mercap	p brank Options Farmat Test Review Adult P	P 2.5
	10	Madema.com	
2464	Tud (mil)	101 MPC41	
			- 2
DC N	00013400	2/00/952	
TO D	INCTICAL PR	ESERVE OV DRC	
1013		ESERVE DV DRC	
UNCL	AS		
UNCL RCT:1	AS REQUEST	TOR LOS REPORT DATE	
UNCL RET:1 FOR 1	AS REQUESTR	TOR LOG REPORT DATE DEPARTMENT FROM	
UNCL REF: I FOR T PROC	AS REQUESTIN SACTICAL I	TOR LOG REPORT DATE DEPARTMENT FROM TUARON SECTION YOUR	
UNCL REF: 1 FOR 1 PROC 291.0	AS NEQUEST P NACTICAL I CUREMENT LIFE MART P	TOR LOD REPORT DATE DEPARTMENT FROM FUNDOW SCHOW YOUR D ADVISE WARE MATERNA,	
UNCL REF:1 FOR T PROC 29131 USTE	AS REQUEST P CONEMENT DUREMENT D MY 1600	TOR LOG REPORT DATE BRAINTWEAT FROM UNION SECTION YOUR 0 ADVISE WEEN NATERNA, 222 MAR WILL BE READY	
UNCL REF:1 FOR T PROC 29131 USTE	AS NEQUEST P NACTICAL I CUREMENT LIFE MART P	TOR LOG REPORT DATE BRAINTWEAT FROM UNION SECTION YOUR 0 ADVISE WEEN NATERNA, 222 MAR WILL BE READY	
UNCL REF:1 FOR T PROC 29131 USTE	AS REQUEST P CONEMENT DUREMENT D MY 1600	TOR LOG REPORT DATE BRAINTWEAT FROM UNION SECTION YOUR 0 ADVISE WEEN NATERNA, 222 MAR WILL BE READY	
UNCL REF:1 FOR 1 PROC 291.0 US75 POR 3	AS REQUESTIF TACTICAL I CUREMENT IN MARINE DI MARINE SHIPMENT	TOR LOG REPORT DATE BRAINTWEAT FROM UNION SECTION YOUR 0 ADVISE WEEN NATERNA, 222 MAR WILL BE READY	-



### GATEPOINT BASICS

**GatePoint** serves as bridge between various networks, with the Radio Network on one side and the Email Intranet and/or GSM Network on the other side. One **GatePoint** is typically installed per network requiring bridging for the purpose of sending Email or SMS messages to and through.

#### EMAIL GATEWAY FUNCTIONALITY

*GatePoint* can bridge the Radio Network with the local intranet typically at a command post. This allows Radio Network users to send and receive email from remote locations.

#### SMS GATEWAY FUNCTIONALITY

**GatePoint** can bridge the RF network with the GSM network and the local intranet. This allows users with **RT** and **RA Terminals** to exchange SMS messages with mobile phones and emails with standard email addresses.

#### GATEPOINT CONNECTIVITY

The *GatePoint* PC connects to the various networks as follows:

- Radio Network: Ethernet connection to RT and RA Terminal / Modem
- Email Network: Ethernet connection to network switch or Email Server
- GSM SMS Network: USB connection to GSM Modem
- Other GatePoint gateways: Ethernet IP connection (Multi-Gateway)

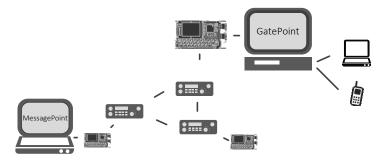
#### MULTI-FREQUENCY ALE SUPPORT

*GatePoint* optionally uses the Automatic Link Establishment (ALE) function of the *RT* and *RA* modem to enable efficient multi-frequency operation.

### GATEPOINT ADVANTAGES

- Reliable delivery of messages using Automatic Repeat reQuest (ARQ) protocols.
- Address book of radio network email users
- Message prioritization
- Automatically retry and resume of undelivered or interrupted messages
- Message compression and JPG image resizing
- Message delivery status logging & viewer
- Ease of use, configuration and installation
- Message delivery progress indication

#### GATEPOINT DIAGRAM



GATEPOINT SOFTWAR	E				
Messaging	Chat messaging (broadcast and point-to-point), File Transfer, Email with attachments. Recipient selectable via Address Book. Broadcast to all users, individual users and over all frequencies in the ALE scan list.				
VOICE	Secure Digital Voice call support: Initiate, terminate				
Multi-Gateway	Max 8 Gateway nodes per network 1x Primary gateway 7x Secondary gateways Broadcast repeater capability Multi-hop routing Security: Elliptic Curve Diffie-Hellman key exchan	ge over TCP/IP network, AES-256 encryption over TCP/IP network			
Modem Control	ALE (Automatic Link Establishment), ALM (Autom ARQ Data (Automatic Repeat reQuest), Collision A EMCON (Emission Control, Radio TX inhibit) STANAG 4538 (3G) Modem support (RAP1 / RIPC	Avoidance and Recovery			
OPERATING SYSTEM	Windows <sup>®</sup> 7, Windows <sup>®</sup> 8.1, Windows <sup>®</sup> 10 32-bit and 64-bit				
Minimum System Requirements	32 GB HDD/SSD Storage     1024x768 Screen Resolution       4GB RAM Memory     Compatible GSM Modem (for SMS gateway functionality)       10/100 Ethernet Port     COTS Email Server (for email gateway functionality: SendMail, I				

GATEPOINT INTERFACE	
USER INTERFACE	Address Book, Chat client, Recent chats, Modem status, Network status, Email Inbox & Outbox status User define "Quick Messages", GPS position display
EMAIL CLIENT INTERFACES	POP3 (RFC 1939, excluding APOP) SMTP (RFC 2821, excluding authentication)
GSM MODEM	RS-232 or USB: AT Commands
MULTI-GATEWAY	Ethernet TCP/IP
MODEM INTERFACES	Ethernet TCP/IP (Data + Modem Control)
DEVICES SUPPORTED	RA2, RA7, RT7: Interfaces to GatePoint via RJ45 Ethernet Cable RA5, RT5: Interface to GatePoint via P17W Ethernet Cable RA3, RT3: Interface to GatePoint via P17W Ethernet Cable

Ordering Information	STOCK NUMBER	DESCRIPTION
GATEPOINT V4 SOFTWARE ONLY	RAP-PC-GPSW-VE4	PC S/W: GatePoint Email,GSM,UM EN V4
GATEPOINT V4 SOFTWARE WITH Rx5 CABLE	RAP-PC-GPKP-VE4	PC S/W: GatePoint, Cable P17W EN V4
GATEPOINT V4 SOFTWARE WITH RX3 CABLE	RAP-PC-GPKA-VE4	PC S/W: GatePoint, Cable 62IN4P EN V4
PC S/W: GATEPOINT VER 4 – EIGHT LICENSES	RAP-PC-GP08-VE4	GatePoint Software x8 Version 4

 Rapid Mobile Pty (Ltd)

 Tel:
 +27 12 349 0000

 Fax:
 +27 12 349 0010

 Email:
 info@rapidm.com

 Web:
 www.rapidm.com

Apex Corporate Park Quintin Brand Street Persequor Park Pretoria, South Africa 0020



Copyright © 2021 Rapid Mobile (Pty) Ltd Revision: RGW\_EN\_02E