





TREODELLOSWave PTXConfiguration GuideVersion 6.3

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1 Introduction

1.1 About This Guide

This document is intended for administrators setting up evaluation and proofof-concept deployments of MOTOTRBO Dispatch over IP solutions. The document describes the minimum steps required to integrate Wave PTX service into TRBOnet software.

WAVE PTX is a Push-to-Talk (PTT) service that connects phones, computers, and radios together.

1.2 About TRBOnet

TRBOnet is a suite of professional applications for MOTOTRBO digital two-way radio networks. TRBOnet manages voice and data communication paths across network endpoints. It provides a unified graphical dispatcher workbench interface for the entire range of workforce fleet management tasks.

For more information about TRBOnet products, refer to our website.

1.3 Contacts

Region	Phone	Email & Support
EMEA	+44 203 608 0598	<u>info@trbonet.com</u> — general and commercial inquiries
Americas	+1 872 222 8726	<u>support@trbonet.com</u> — technical support
APAC	+61 28 607 8325	<u>https://trbonet.com/kb/</u> — online knowledge base



2 Configuring TRBOnet Software

This section describes how to configure TRBOnet software.

2.1 TRBOnet Server

• Run TRBOnet Server.

Note: Make sure that your TRBOnet Software license includes Wave PTX.

• In the **Radio Systems** pane, click **Add**. Or, in the **Configuration** pane, right-click **Radio Systems**.

Configuration		Radio Systems						
Network	^	🗸 Enable Radio	Systems					
Remote Access F Database	Restriction	CAI Network:		12	2		-	
Storage Location	ns	CALCERUP Net		2	-		*	
File Formats		CAT Group Netv	IOTK:	2			Ŧ	
Reports		Registered Ra	dio Systems					
Service Manager	ment	Name			Address		Radio	ID
人 Advanced Setun	gs ervers	IPSC 1			10.12.1	10.29		64250
Radio Systems								
- 🗘 S 👍 Add	MOTOTRBO Sys	tem	1					
🔤 🗖 🐺 🛖 🗛 da	d Capacity Max							
📲 PTT o 👘 Ado	DIMETRA Expres	is						
P 🖶 Add	TRBOnet Swift A	gent						
🗱 Teltor 🚽 Ada	d Control Station	.9						
Remo	I ECOS-D Reneate	ar						
B Phone 👍 🗛	HKAIROS Peneste							
-XA _ Add	A WAVE DTV Line	anal Catavaru		1				
	I FD107 CL V	ersal Gateway	Delete					Test
Add	d ED 137 Station			Ann	dy.	OK		Cancel
Add	d Zenitel Station				~ 7			Curreer
🛉 Ado	d Analog Station							
🖶 Ada	d Friendly FS-1000) Station						
🛉 Ado	d XRC-9000 Contr	oller						
🖶 Ado	d XRT-9000 Contro	oller						
📥 Add	WAVE 5000 Con	troller						
🗙 Ren	nove All							
Set	Defaults							

• In the drop-down menu, click **Add WAVE PTX Universal Gateway**. The gateway is used to send and receive GPS locations, online statuses, and text messages from Wave devices.

Configuration		WAVE PTX Universal G	ateway #1
🛷 Service	^		
S Network		Name:	WAVE PTX Universal Gateway #1
🛱 Redundancy			
Remote Access Restriction		Service API FQDN:	
Database		Client ID:	the second se
Storage Locations		Client Secret:	•••••
File Formats			
Reports		Agency:	Use Test button to load available agencies
Service Management			Test
🔀 Advanced Settings			
Geocoding Servers			
Radio Systems			
····· 🔅 Services			
WAVE PTX Universal Gate			
PTT over Cellular			
X Advanced Settings			
PoC Gateway #1			
Teltonika			
Remote Agents			
Friendly Servers			
Phone Connect	~		
< >			
Set Defaults			Apply OK Cancel



• In the **Wave PTX Universal Gateway** pane, specify the following Wave gateway-related parameters:

Name

Enter a name for the Wave PTX gateway. This name will be displayed in the Dispatch Console.

- Service API FQDN Enter the fully-qualified domain name of the service API.
- Client ID

Enter the Client ID that will be used for authentication.

- **Client Secret** Enter the Client Secret that will be used for authentication.
- **Agency** Enter the name of the agency that will be used.
- Test

Click this button and see the list of all available agencies.



2.2 TRBOnet Dispatch

• Run TRBOnet Dispatch.

2.2.1 Location profile for WAVE radios

• Go to Administration (1), Location Profile (2).



• Click Add (3) to add a location profile for WAVE radios.

Location Profile (MOTO	DTRBO)	×
General Location Upd	ates Management	
Name:	TLK Profile	
Description:	^	
Channel type:	Non-scheduled (Regular GPS over Voice or Dat	1
Channel priority:	Mixed Mode (recommended)	
Protocol type:	Mixed Mode (recommended)	
Positioning mode:	Broadband Channel	
GPS data:	Latitude, Longitude, Precision, Direction, Speed	Ī
iBeacon data:	Major, Minor	
Number of iBeacor	ns: 1	
Fast GPS on Conne	ct Plus systems	
	OK Cancel	

Channel priority

Select either Mixed Mode or Broadband Channel.

Mixed Mode

Select this option if the WAVE radio is a device that operates on both LMR and broadband networks (ION, etc.).

• Broadband

Select this option if the WAVE radio is a device that operates on broadband networks only (WAVE PTX, WAVE TLK, EVOLVE, etc.).



2.2.2 Adding WAVE radios

• Go to Administration (1), Radios (2).

Administration	Ra	adios						🔞 🍪 🕻
🔒 Disabled Radios 🌉 Dispatcher Groups	^	🔇 1: Line free		Interc	om (vate Call	• • •
		Registered Unre	gistered					
Email Groups	-	Add Group	Add Digital Radi	o 🔜 Add Rar	nge 🛛 🔜 Add TR	BOnet Mobile 🛃 A	Add WAVE PTX	
Users 2		Radio Name 🛆	Туре	Radio ID	MDC ID	User's Extensio	Radio Groups	Logical Groups
Logical Groups	R	102	Digital Radio	102	0		Group 201, Gro	
🔞 Radio Groups	(f)	125	Digital Radio	125	0		All	
	۲	2222	TRBO.SOS	2222	0	2222	All Call (Interco	
Radios 🥊	× 🛞	3333	TRBOnet Mobile	3333	0	3333	All Call (Interco	
	۲	4444	TRBOnet Mobile	4444	0	4444	All Call (Interop	
📑 Voice Dispatch	۲	555	Teltonika	1	0		All	
	۲	Alex	Digital Radio	1001	0		Al	
Location Tracking	۲	Radio 106	Digital Radio	106	0		All	
😵 Job Ticketing 👔 Route Management								\ 3
Text Messages								
🙀 Voice Recording								
😪 Reports		1						
65		<u> </u>						
Event Viewer								
C Event Viewer	14	K Kecord 1 of 8	• • • • • •					

• Click Add WAVE PTX (3) to add a new WAVE PTX Radio.

OR:

• Click the **Unregistered** tab and find the radio with the populated **WAVE ID**.

F	Radios								
/	Registered Un	registered							
E	👃 Register 🔒 D	isable 📑 Delete 🗙	Delete All 🗮 Grouping 🍸 Auto Filter 🛙	🧼 Default Settings 🛛 🗇 Multiselect					
	Radio ID 🛛	MDC ID	WAVE ID	IMEI					
	0	0	pres.dientid:	0					

On the **General** tab, specify the following settings:

WAVE PTX X							
General Logical Groups Additional SIP Account Cameras Teltonika							
	Radio Name:	WAVE 1			.		
	Radio ID:	125 🗘 WAVE ID	: pres.clientid:				
	Radio Groups:	All		~ +			
	Home Group:	None		~ +			
	Use icon:	🚯 Portable Radios		~ + -			
	Extended Device:	None	√ Te	est	^		
	Location Service						
	Location Source:	Built-in GPS receiver		~			
	Location Profile:	TLK Profile		~ +			
		Location Enabled		-			
	Telemetry Service	•					
	TLM Source:			\sim			
	TLM Profile:			\sim +			
	Text Messages Se	rvice			~		
	Hide Advanced Settin	<u>qs</u>					
			OK	Cancel			



Radio ID

Specify a Radio ID for the WAVE PTX radio. This ID is used to call this radio or send a text message to it.

WAVE ID

Enter the WAVE ID (if not automatically populated) that corresponds to the user registered in the WAVE server's user database. This ID is used to send or receive data through the Wave PTX Universal Gateway.

Location Profile

Select the specific location profile. See section <u>2.2.1, Location profile for</u> <u>WAVE radios</u>.