

#### **TRBOnet PLUS 5.0**

# Telephony and Phone Interconnect

# Overview

March 2016



## Overview

- Phone Interconnect
  - Optional Module for TRBOnet PLUS
  - Separated Product (SIP 10, SIP 20)
- Provides:
  - Telephony for Dispatchers
  - Interconnect between Phones and radios
  - Audio Recording (optional)
- Requires NAI VOICE licenses for repeaters
- Does <u>NOT</u> require Digital Phone Patch license
- No option board required
- Conference Call support
- SIP TRUNK support







# **Supported Phone Calls**

- Individual Call from Radio to Phone
- Individual Call from Phone to Radio
- Group Call from Phone to Radio
- Individual Calls between Dispacther and Phones



# Capacity

- Number of Lines Phone-Radio is equal to number of Channels/Time Slots
- 6 Phone Lines per a Dispatcher

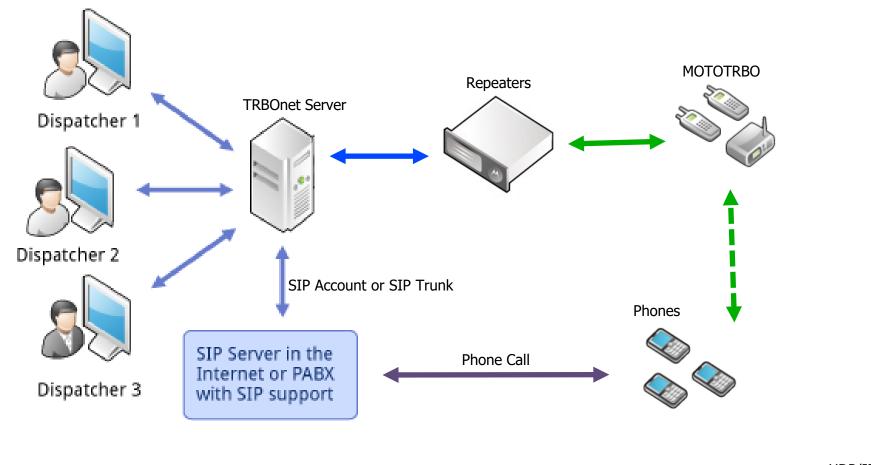
#### How to Make Calls from Phone to Radio

- Phone User dials the number of TRBOnet, then a Radio ID or Group ID
- Phone User dials Radio ID or Group ID
- Phone User calls Dispatcher and Dispatcher patches Phone and Radio

#### How to Make Calls from Radio to Phone

- Contact List
- Manual Dial
- Using DTMF
- Text Message with Phone Number

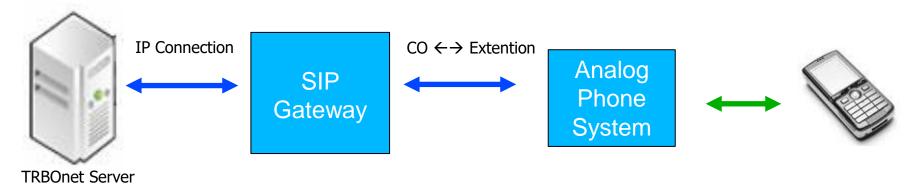
### System Diagram



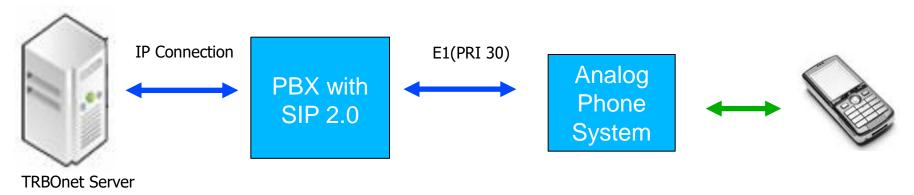


### **Analogue Phone System**

#### 1. Using Gateway. May require extension dialling



#### 2. Using Digital PBX(preferred)



### **Dispatcher User Interface**

Telephony		<b>.</b>	0
John Mo	rgan	÷	
-	Menu	-	
Line 1	Hold	Call	
Line 4	Redirect Call		
	🔟 Phon	e Book	
1	2	3	-
4	5	6	
7	8	9	
*	0	#	

- 6 Phone Lines per Dispatcher
- Phone Book
- Forward call to another Dispatcher
- Forward call to Radios
- All Calls are Recorded

ATTENTION	Date Radio Interface				
HF IPSC Slot 1	Radio Interface #1 Recent Calls/Events Quick Comm X				
Emergency Call	Quick Comm				
	🖉 Telephony 📧 🖉 🖉 UHF Police 🔄 🕷 🖉 🖵 📮 Quick Text				
Radio	John Morgan T ····				
	PIT Broadcast Call  Configure				
1 🗄 1: & 🗶 🍸 🛇					
	Line 1 Line 2 Line 3 Session:				
Administrator	Line 4 Line 5 Line 6 Free channel				
😑 📑 Emergency					
💰 Radio 3002 🛛 📮	Sender:				
😑 Radio 470 📮					
Radio 777					
	= 0 = = RX / TX				
Radio					
GPS Positioning					
Job Ticketing	🔍 👷 🏠 🔹 🍣 🌽 Show Route 🦼 Filter: 🎯 🖓 🎯 💥 Playback Route 🥒 🖉 🔾 Search by Address 🔝 Select Map				
300 Hekeding	Queën Elizabeth Olympic Park				
Route Management	Stour Read Unductrial Entate Stadyon Otympic Stadyon Otympic Stadyon Otympic Stadyon Otympic Stadyon				
3	Lindustrial Olympic				
🖂 Text Messages	Portie 272 Portway plashet. Road				
	Radio /// og , 1/// T TTTT				
Reports and Statistics	Otder Order O				
Event Log					
	1 km Radio 470 1 km Lattude 513212.75% Longtude 0'0112.61				
Radio Allocation	1 km Be Grove He Hospital				
	Latitude: 51'32'12.79"N; Longitude: 0'01'12.61				
administer	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map				

#### Dispatch Software for MOTOTRBO<sup>™</sup>

### **Extended User Interface**

> Phone Interconnect		↔	- 🗆 🗙
1       Sohn Morgan         Calling       00:05	^ • 00 203 1	3 6080598 2	• <b>↓</b> )
2 Call Line free 5 Finish Mike Smith Hold Red 03:31 HOLD	4 7 *	5 8 0	6 9 #
3 Line free Call Line free Call		Call Police Fire 911	

- 6 Phone Lines
- Phone Book
- Quick Buttons

- Available in:
  - Main Dispatch Console
  - Separate Window

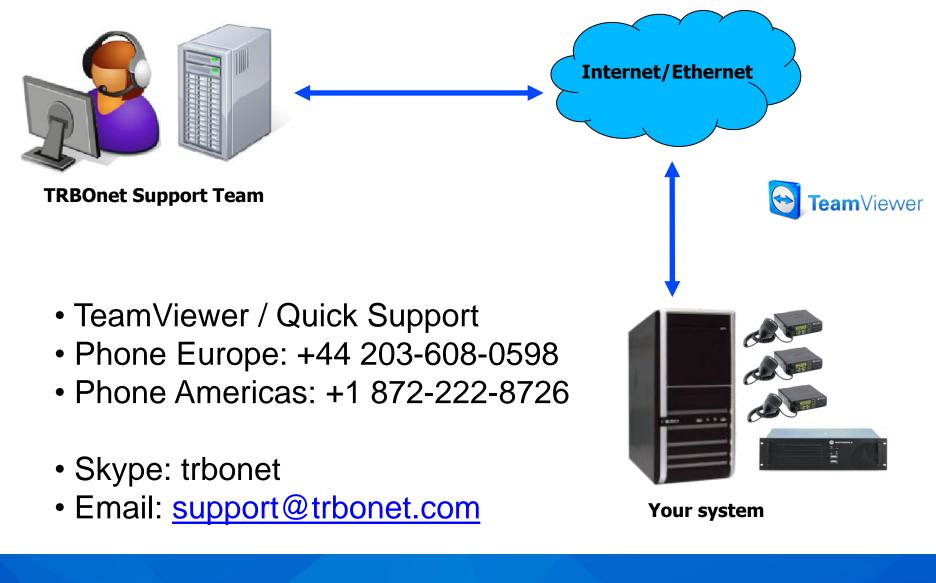
#### **Supported Radio Systems**

- Single Repeater (Digital Conventional)
- IPSC with Wide Area Channels
- IPSC with Local Channels (Local Time Slots)
- Capacity Plus
- Linked Capacity Plus
- Capacity Max

#### **System Requirements**

- TRBOnet PLUS 5.0 or higher
- TRBOnet Phone Interconnect Module
- PBX Device SIP 2.0 Compatible
- Repeater Firmware 2.3A or higher
- Radio Firmware 2.3A or higher
- NAI VOICE License for Repeaters

### **TRBOnet Support**



# Thank You!



info@trbonet.com www.TRBOnet.com



Dispatch Software for MOTOTRBO<sup>™</sup>