



TurboVUI Dispatch v6

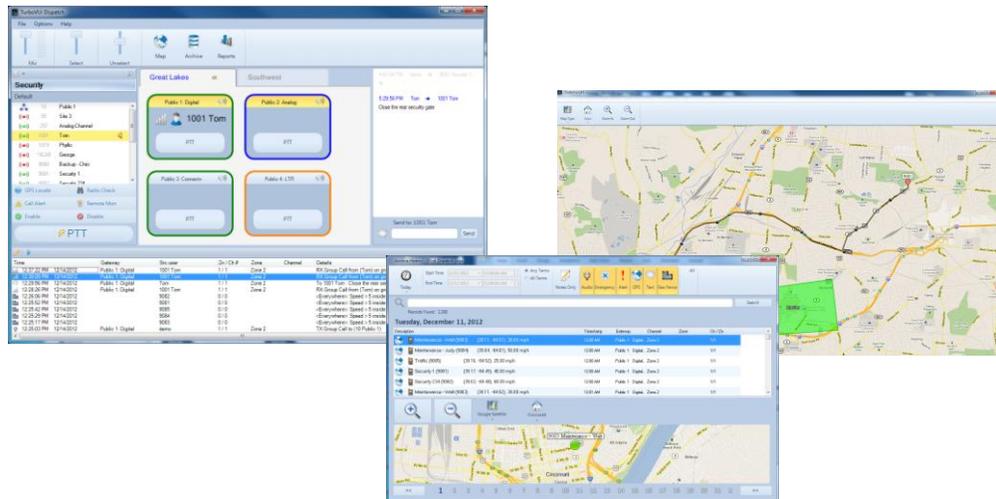
with *ProVUI GPS*

Computer Aided Dispatch over IP for MOTOTRBO Radios

TurboVUI Dispatch is a software console for Windows™ operating systems and optimized for **MOTOTRBO** radio systems. It includes *Voice Dispatch*, *GPS Mapping*, *History Logging with Voice Playback*, and *Archive Search*. It is an ideal solution for projects requiring communication with multiple simultaneous **MOTOTRBO** radio Talk Groups. The Talk Groups may be centrally located or scattered among various locations connected by an IP network. Multiple **TurboVUI Dispatch** clients also may be centrally located or scattered among various locations. **TurboVUI Dispatch** is designed with an intuitive user interface to minimize learning time and maximize a user's efficiency.

TurboVUI Dispatch systems include **TurboVUI Dispatch** client software, **TurboVUI IP Gateway** hardware, and one-time Licensing. Systems may also utilize the **TurboVUI Pocket** mobile app for Android and iOS (iPhone and iPad) devices, as well as the **TurboVUI Solo** application for PCs and laptops. A host of accessories are available to implement an enterprise solution. These approved devices include desk microphones, headsets, footswitches, and touch screens – all with PTT capabilities.

The re-designed **TurboVUI Dispatch** (Version 6) is the most feature-rich dispatch console product for **MOTOTRBO** systems, with the following elements:



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- Voice Dispatching for a maximum of 36 simultaneous Talk Groups
- Voice and Event Logging and Replay
- Text Messaging
- Multi-Select with Select/Unselect Audio
- Cross-Muting
- All-Call, All-Text, and All-Emergency
- GPS Mapping of Radio Users
- Custom Action Buttons
- Archive History with GPS coordinate storage and review
- **ProVUI GPS** optional feature package adds:
 - Geo-fences
 - Management Reports
 - Trail Crumbs with **Snap-to-Road™** technology
 - Map Image Overlays



FEATURES

Main Window	Specification
Radio Controller Panel	
Talk Groups (Channels)	36 max
Color Coding of Controllers *	Unlimited colors
Receive Volume and Mute	Individual slider for each controller
Transmit Indicators	Transmit Icon, Private or Group Icon, Destination Radio ID and Alias Name
Receive Indicators	Receive Icon, Private or Group Icon, Initiating Radio ID and Alias Name
Subscriber Panel	
Sort Subscriber List	Alphabetic or Numeric, Radio ID or Alias Name
Search for Subscriber *	Radio ID or Alias Name
Action Buttons *	GPS Locate, Radio Check, Call Alert, Remote Monitor, Remote Enable/Disable
PTT	For initiating Private or Group calls
Grouping of Subscribers *	Subscribers may be organized into Groups for better viewing
Recent History Panel	
Events Recorded	Received and Transmitted Voice calls, Call Alerts, Emergencies, Text Messages
Number of Events Displayed	1 – 500 Events
Notes	Multiple Notes can be added to any event
Playback	Instant Playback of any Voice events
Sorting	Sorting by Time, Gateway, Source ID, Zone, Channel, Details, or Note
Text Messaging Panel	
Characters per message	140 maximum
Message Details	Time, Source ID, Destination ID, Direction, Receipt Acknowledgement, Text
Geo-fence Event Panel * #	
Event Details *	Time, Radio ID, Fence ID, Condition
Sorting *	Time, Radio ID, Fence ID, Condition
Tool Bar	
Microphone Audio	Volume Slider and VU Meter
Select and Unselect Audio	Volume Sliders
Custom Action Buttons *Tool Buttons	Configurable for All-Call, All-Emergency, Call-Selected, Call-Private Map:Opens GPS Map Window
	Archive *: Opens Archive History Window
	Reports *: Opens Dialog for creating management reports
<i>* New in Version 6</i>	<i># Available with ProVUi GPS option</i>

Basic GPS Map Window	Specification
Zoom Tools	
Zoom In	Tool Bar Button or Mouse Scroll Wheel *
Zoom Out	Tool Bar Button or Mouse Scroll Wheel *
Map Types	
On-Line Maps	Google, Bing *, OpenStreet *, Yahoo * (Road, Satellite, or Hybrid)
Off-Line Maps	Request quote
Map Presets	Various
Tool Buttons	
GPS Locate	Centers the selected subscriber on the GPS Map
Text	Sends Text Message to selected subscriber
PTT	Initiates Private Call to selected subscriber
Follow	Keeps selected subscriber in center of GPS Map

** New in Version 6*

FEATURES (CONT.)

ProVUi GPS Option	Specification
Geo-fences * #	
Shapes	Polygon or Route
Condition Types	Stopped, Speed, Congestion, Entered, Exit
Condition Location	Inside Fence or Outside Fence
Condition Application	All Subscribers or Specific Subscribers
Reports * #	Various Management Reports Export to Adobe PDF or Microsoft Excel
Trail Crumbs * #	
Routing Method	Snap-to-Road™ Technology *
Data	Time and Location
Map Image Overlays * #	Most image file formats
<i>* New in Version 6</i>	<i># Available with ProVUi GPS option</i>

Archive History Window	Specification
Search Filters *	
Time	Presets, or Custom
Event Types	Notes, Audio, Emergency, Alerts, GPS, Text, Geo-fence #
Custom	Radio ID, Alias Name, Source, Destination, Channel, Zone
History Map * #	
Event Location	Subscriber location Indicated
Zoom Tools *	
Zoom In	Tool Bar Button or Mouse Scroll Wheel *
Zoom Out	Tool Bar Button or Mouse Scroll Wheel *
Map Types *	
On-Line Maps	Google, Bing *, OpenStreet *, Yahoo * (Road, Satellite, or Hybrid)
Off-Line Maps	Request quote
Map Presets *	Various
<i>* New in Version 6</i>	<i># Available with ProVUi GPS option</i>

Miscellaneous	Specification
Call Types	Group, Private
Multi-Select	Method: Buffered Audio Stream
Cross-Muting	Types: Acoustic, and RF (Cross-Channel)
Windows and Panels	Dockable as separate Windows, or Layered as Tabs
General Purpose I/O *	Optional Feature Package: Support for stand-alone IP modules Available 1Q13
Low Network Bandwidth	High Quality Audio Mode 22kBytes/s per audio stream Compressed Audio Mode 2.2kBytes/s per audio stream
Supported Accessories	Microphones USB, Analog, Blue Tooth Monitors Touch Screen PTT Buttons Mouse, USB Desk Mic, USB Footswitch
<i>* New in Version 6</i>	

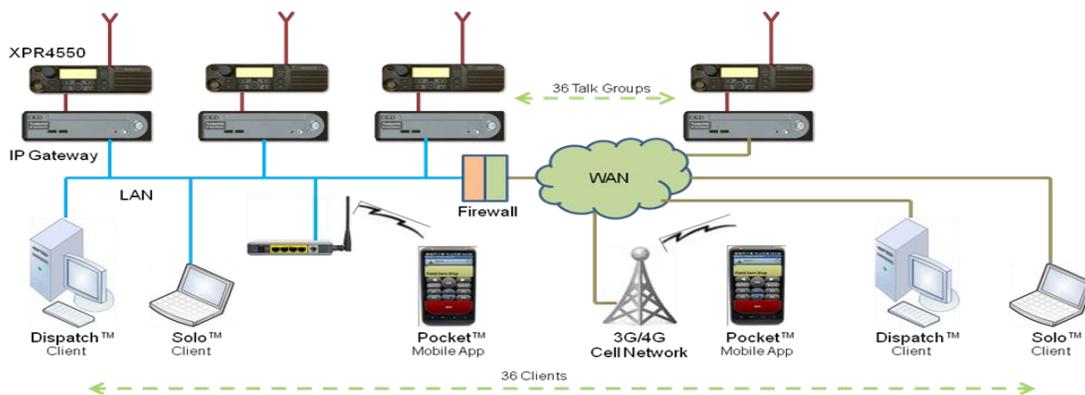
ORDERING

Part Number	Description
S2-61528	TurboVUI IP Gateway Kit, includes cables and power supply
S1-61603	TurboVUI Dispatch Client Software and Connection License Each Dispatch Client requires a License that includes the number of connected IP Gateways. See Quotation Tool.
S2-61646	ProVUI GPS option Additional features include Geo-fences, Management Reports, Trail Crumbs with Snap-to Road™ technology, and Map Image Overlays
Accessories	See Solution Builder tool for complete list

Notes: MOTOTRBO Control Stations (XPR4550) should be supplied by Dealer.
Console PC, microphone, PTT accessories, and desk speakers should be supplied by Dealer or End-User.

TURBOVUI SYSTEM ARCHITECTURE

As shown in the diagram below, a **TurboVUI** system may have a mixture of client types; **Dispatch**, **Solo**, and **Pocket**. The IP Gateways interface the radio system to an IP network, ensuring easy wide-area deployment without purchasing and configuring server PCs.



PC & NETWORK REQUIREMENTS

Infrastructure	Specification																		
PC Minimum Specs	<table border="0"> <tr> <td>Operating System</td> <td>Windows XP Pro, 7 Pro, or 8 Pro</td> </tr> <tr> <td>Processor</td> <td>Intel Core i3 (min)</td> </tr> <tr> <td>Memory</td> <td>4 GB min, 8 GB recommended</td> </tr> <tr> <td>Graphics</td> <td>Integrated</td> </tr> <tr> <td>Network Connection</td> <td>Integrated</td> </tr> <tr> <td>Sound</td> <td>Integrated with external speakers</td> </tr> <tr> <td>1st Hard Disk</td> <td>160 GB (for Operating System)</td> </tr> <tr> <td>2nd Hard Disk</td> <td>500 GB min (for History Logging)</td> </tr> <tr> <td>Network Connection</td> <td>Integrated</td> </tr> </table>	Operating System	Windows XP Pro, 7 Pro, or 8 Pro	Processor	Intel Core i3 (min)	Memory	4 GB min, 8 GB recommended	Graphics	Integrated	Network Connection	Integrated	Sound	Integrated with external speakers	1 st Hard Disk	160 GB (for Operating System)	2 nd Hard Disk	500 GB min (for History Logging)	Network Connection	Integrated
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Network Connection	Integrated																		
PC Platforms Certified	HP dc7900, Dell Precision T3400, Dell Optiplex 790, 7010, and 990																		
Network Bandwidth	Per connected radio 2.2kBytes/s, Compressed Audio 22kBytes/s, High Quality Audio																		

Note for History Logging: At normal sampling rate of 11k samples per second, continuous (100% duty) recording of one radio channel for 24 hours will require 2G Bytes of hard disk space. Normal channel activity ranges from 10% to 60% duty.

TURBOVUI CLIENT COMPARISON

<i>Feature</i>	<i>Dispatch</i>	<i>Solo</i>	<i>Pocket</i>
Simultaneous Talk Groups	1 – 36	1	1
Clients	1 – 12	1 – 36	1 – 36
Private and Group Calls	Yes	Yes	Yes
Control Station Display		Yes	Yes
Radio ID Aliases	Yes	Yes	Yes
PTT Device Support	Yes	Yes	
Cross-Muting	Acoustic and RF	Acoustic	
Select & Unselect Volume	Yes		
Multi-Select	Yes		
Tx VU Meter	Yes	Yes	
Subscriber Groupings	Yes		
Subscriber Sort & Search	Yes		
All Call, All Text, All Emerg.	Yes		
Radio Check (Find Radio)	Yes		
Call Alert to Radio	Yes	Yes	
Remote Monitor of Radio	Yes		
Radio Remote Disable/Enable	Yes		
Custom Action Buttons	Yes		
Text Messages, Free-Form	Yes	Yes	Yes
Text Messages, Pre-formatted		Yes	
ARS Status	Yes	Yes	Yes
Voice and Event Logger	Hard Disk Capacity	24 Hours	
Dockable Panels	Yes		
Windows Operating System	XP Pro, 7 Pro, 8 Pro	XP, 7, 8	Android ≥1.5 ,iOS ≥4
License Location	Local PC	IP Gateway	IP Gateway
License Method	File & USB Key	Encrypted File	Encrypted File
GPS On-Line Map	Yes		Yes
GPS Off-Line Map	Yes		
GPS Map Service Options	Google, Bing, OpenStreet, Yahoo		Google
GPS Map Location Presets	Yes		
ProVUI GPS option includes:			
Geo-fences	Yes		
Enhanced Trail Crumbs with STR™	Yes		
Management Reports	Yes		
Map Image Overlays	Yes		

