



# Total Enterprise Access and Mobility (TEAM) Radio Link Solution (RLS)

## PTT communications between two-way radios and TEAM devices

The TEAM Radio Link Solution (RLS) enables enterprises with existing two-way radio systems to extend their PTT talk group communications to TEAM devices. A TEAM solution option, the RLS lets both two-way radio users and TEAM device users reach more colleagues. The result is improved responsiveness and productivity.

## High performance, low complexity

The TEAM RLS enables PTT talk group interoperability by acting as a gateway to TEAM smartphone donor devices and two-way radio donor devices, which function as transceivers to field devices. Audio and signal processing are handled in real time to deliver rapid and reliable connectivity as well as superior audio quality. A standard 4-wire E&M interface simplifies deployment.

## Extensive interoperability

Like all TEAM solutions, TEAM RLS allows enterprises to build on their current IT investment

by enabling PTT talk group communications between existing Motorola radio systems and TEAM smartphones. To date, interoperability has been certified on a wide range of radios (listed on the back page) and certification testing is under way on additional devices.

## End-to-end services keep your TEAM RLS up and running at peak performance

Motorola offers a complete suite of Enterprise Mobility Services to get and keep your TEAM RLS up and running at peak performance. Motorola's Advanced Services experts reduce implementation time and help to minimize potential integration issues, while seamless integration with Motorola's Customer Services team helps ensure that all elements of the solution work at peak performance levels.

For more information about the TEAM RLS and the TEAM solution, please visit [www.motorola.com/teamrls](http://www.motorola.com/teamrls) or access our global directory at [www.motorola.com/enterprisemobility/contactus](http://www.motorola.com/enterprisemobility/contactus).

## How TEAM RLS Works



- TEAM smartphone donor devices and two-way radio donor devices are connected to TEAM RLS. Each talk group requires a dedicated donor pair.
- When a TEAM user in Talk Group 1 initiates a PTT group call, the Talk Group 1 donor smartphone notifies the RLS.
- The RLS passes the initiation to the two-way radio donor associated with Talk Group 1, which in turn notifies the two-way radios in Talk Group 1 of an incoming PTT talk group call. This process works the same way going in both directions.

**SPECIFICATION SHEET**

TOTAL ENTERPRISE ACCESS AND MOBILITY (TEAM) RADIO LINK SOLUTION (RLS)

**TEAM RLS Certified Devices**

DEVICE	MODEL(S)
<b>Smartphones</b>	
TEAM VoWLAN Smartphones	EWP1000/1100/2000/2100
<b>Two-Way Radios</b>	
CP Series	CP200
PR Series	PR400
XTN Series	XV1100/2600
DTR Series	DTR550
FRS	Various
MOTOTRBO	XPR6xxx
iDEN	i850

Note: Interoperability issues are not anticipated with derivatives of the above-mentioned radios, including CLS, VL50, CP100, CP110, CP125, RDX, HT, XTS, VXA and BPR40. However, certification has not yet been completed on these devices. Additionally, since the electrical specifications of the TEAM RLS 4-wire port and PTT pins allow users to appropriately match characteristics for audio inputs and outputs to other radio types, support for additional radios is anticipated. However, interoperability will need to be done on a case by case basis.

**Specifications:**

TEAM RADIO LINK SOLUTION (RLS)	
<b>Dimensions</b>	
Height	1 rack unit
Width	Desk mount – 17"
Depth	9.5"
<b>Environment</b>	
Operating	0° to 50°C
Non-operating	-20° to 80°C
Humidity	10% to 90%
<b>Power</b>	
GU Input Power	+20 to +60 VDC, -20 to -60 VDC
Dispassion	20W
<b>Audio</b>	
Mic	+10V, 2K Ω pull up
Headset	
Input Impedance (Mic)	2K Ω
Output Impedance (Earpiece)	50 Ω
Speaker Output	600
<b>Communications / Ports</b>	
<ul style="list-style-type: none"> <li>• 8 DB25 Audio ports; supports 4 talk groups</li> <li>• 2 RF45 10/100Mb Ethernet ports</li> <li>• 1 DB9 MMI local configuration port</li> </ul>	<ul style="list-style-type: none"> <li>• 1 Speaker output</li> <li>• 1 Headset stereo/mono connection</li> <li>• 1 PTT connection</li> </ul>

Note: Check with your local Motorola representative about regional availability of the TEAM RLS.

**About the Total Enterprise Access and Mobility (TEAM) Voice over WLAN (VoWLAN) Solution**

Motorola's TEAM VoWLAN solution enables a truly mobile office experience by delivering the communication services required to stay on top of business throughout the day. Easy to deploy, the TEAM VoWLAN solution easily integrates into existing IT infrastructure (including the wireless LAN and the PBX) as a non-intrusive overlay, creating a single common platform for the delivery of integrated voice and data services. This solution provides on-the-move workers with mobile access to the six key voice and data business services workers need to stay productive while on the move:

**Toll-quality, PBX-based telephony:** Extend the features and functionality of a desk phone to a mobile device.

**Enterprise-grade Push-to-Talk services:** Empower users with robust, instant communications — including the ability to call an individual or a group (with up to 255 definable groups).

**Corporate email, calendar, contacts and other personal information management (PIM) tools:** Keep your workers in touch and on top of their schedule, task list and more.

**Text messaging:** Enables fast and efficient communications between workers — improving response times to customer demands and changing business conditions.

**Internet/intranet access:** Provides on-the-spot easy access to web-based applications and information as needed throughout the business day.

**Line of business applications:** Support for the latest industry standard mobile operating system, Windows Mobile® 6.1, simplifies mobile access to server-based business critical applications.



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