



MOTOTRBO™ SCORE HIGH MARKS FOR SCHOOLWIDE SAFETY

PROFESSIONAL DIGITAL TWO-WAY RADIO SYSTEM



MOTOTRBO BENEFITS

- Reach personnel anywhere they go with voice and data
- Improve safety and security across the district and around campus
- Keep every department connected easily and seamlessly
- Improve response time, logistics and staff coordination
- Maximize your system investment and infrastructure
- Meet shrinking school budgets cost-effectively

Educational institutions, from K-12 through college, are being increasingly challenged to find smarter ways to boost student safety and staff efficiency with ever-shrinking budgets. Parents want to be confident their children are learning in a safe, secure environment. School personnel need to effectively interact together, whether they're managing sporting events or a maintenance emergency. And administrators must ensure a rapid, coordinated response to any situation with up-to-date technology that fits their funding.

THE CHALLENGE

How can you keep students safer in the classroom, on the school bus and at after-school events? Unify your staff easily and seamlessly, working around the district or across campus? Make sure parents are in touch and your community in the loop?

Two-way digital radio communication is the answer. It keeps staff connected, students secure and administrators, parents and the public confident.

Institutions are seeking smarter solutions, such as GPS location tracking to monitor buses, manage routes and enable parents to log in and see where students are. They're looking for safer solutions for their staff, too – from emergency alarms that activate voice communication to hands-free accessories so drivers can communicate safely while operating the bus.

THE SOLUTION

Versatile and powerful, MOTOTRBO is the ideal communication solution. Using digital technology, it combines the best of two-way radio functionality with expanded capabilities to meet your communication needs.

MOTOTRBO integrates voice and data seamlessly, offers enhanced features that are easy to use, and delivers safety-focused advantages like integrated Bluetooth®, GPS location tracking and Intelligent Audio that automatically adjusts volume to address background noise.

Only MOTOTRBO lets you choose the right device for the right user – such as the remarkably scalable XPR™ 3500 portable, the XPR 5500 mobile for unrivaled voice and data communication, and the ultra-thin, ultra-light SL 7550 portable. MOTOTRBO can remaster your institution and the way people collaborate to help you achieve greater safety and cost-savings.

EXPERIENCE A NEW CLASS OF COMMUNICATION AND COORDINATION

If a district needs to reroute buses around a major accident, they can send drivers the directions with text messaging. For increased safety, using a wireless Bluetooth® RFID scanner, school administrators can efficiently identify and track students boarding buses for a field trip by scanning the barcode on their IDs. And should a disturbance on campus occur, administration can activate an emergency call feature to instantly alert staff and security. Connect everyone seamlessly and easily with MOTOTRBO's expanded portfolio of digital two-way radios and accessories.

ADMINISTRATORS AND EDUCATORS CAN MULTIPLY SAFETY AND SUBTRACT COSTS

Locate your staff, students and buses instantly.

Need to contact a student on the bus, redirect a vehicle or make sure your fleet is adhering to its route? MOTOTRBO's integrated GPS module helps you monitor their location and manage logistics. Now school officials can pinpoint each school vehicle to improve security, increase student safety and effectively respond to emergencies, weather events, traffic and more.

Prioritize communication immediately.

When emergencies happen your security personnel need to communicate instantly. And MOTOTRBO's transmit interrupt suite – with voice interrupt, emergency voice interrupt and data over voice interrupt – lets you prioritize critical communication the moment you need it.

Manage employee attendance and payroll automatically.

MOTOTRBO eliminates manual errors and inaccurate recordkeeping with time and attendance reports – tracking when bus drivers are on or off duty or picking up students – and then providing an accurate and automatic payroll.

Respond remotely with tracking applications.

Want to check fuel consumption or be alerted when a bus door is open? MOTOTRBO radios are equipped with operations-critical applications that enhance security, increase efficiency and reduce costs. Now administrators can see the fleet's fuel usage. Security can be automatically notified if a door or gate is breached and remotely open or close it. And maintenance can turn lights on or off, control sprinklers and handle many other tasks with their MOTOTRBO radios.

"The MOTOTRBO radios allow us to talk virtually from anywhere in our district to anywhere in our district, including the bus garages."

Bob Ciserella, Asst. Superintendent
School District 41, Glen Ellyn, IL

Connect your campus completely.

Extend coverage anywhere and expand capacity to anyone with a suite of MOTOTRBO systems:

- **IP Site Connect** uses an IP network to extend the voice and data capabilities of MOTOTRBO. You can create a continuous network that covers your employees at 15 geographically-dispersed schools. Or you link up to 15 sites to create wide area coverage at a single campus.
- **Capacity Plus** is the single site digital trunking solution that maximizes the capacity of your MOTOTRBO system. Use it to enable a high volume of voice and data communication for over a thousand users at a single site without adding new frequencies.
- **Linked Capacity Plus** is an entry level, multi site digital trunking system configuration for the MOTOTRBO platform. It leverages the high capacity of Capacity Plus, with the wide area coverage capabilities of IP Site Connect.

- **Connect Plus** is the scalable, multi-site digital trunking system that keeps your entire institution connected. With this high capacity MOTOTRBO system, calls can be queued during busy times until an open channel is available, important users can be assigned priority status when the system is in high demand, and a wire-line console can be used for centralized dispatch.

Reduce operational costs.

By utilizing TDMA digital technology, MOTOTRBO enables two virtual channels within a single 12.5 kHz channel – double the capacity of analog. Since you don't need a second repeater, you save on equipment costs. And because voice and data are integrated in one device, MOTOTRBO saves you the expense of additional equipment for text messaging and GPS location tracking.

EDUCATIONAL APPLICATIONS THAT EXCEL



Text messaging: Send text messages so staff can read discreetly when convenient, and not distract them or disturb others in the learning environment



Location tracking: Monitor the whereabouts of staff, students and vehicles; in an emergency, you can pinpoint security personnel and send the nearest to the scene



Alarm management: Be alerted and respond remotely with tracking applications that monitor and operate doors, gates, lights, sprinklers and more



Bluetooth® scanning: Record the number of people going into an event or use the radio for time/attendance reporting



Device integration: Ensures your personnel can place a call for assistance to a two-way radio from any outdoor location by integrating with landlines, wireless call boxes and PA systems

SECURITY AND STAFF CAN REACT INSTANTLY AND RESPOND EFFECTIVELY

Hear clearly throughout campus.

If your employees are making repairs or making their way through a crowded assembly, they must be able to understand the message. MOTOTRBO's Intelligent Audio feature, available on certain models, automatically adjusts the radio's volume to fit the level of noise in the environment. The volume turns up in noisy places so they won't miss a call and turns down in quiet settings so they won't disturb others. And with MOTOTRBO's background noise suppression, you can be confident communication comes through loud and clear.

Communicate without disturbing others.

Whether your personnel are working in the basement, the bus garage or on the football field, MOTOTRBO has flexible solutions that fit every user and every environment. Audio accessories feature leading-edge IMPRES™ audio technology to further suppress ambient noise, improve voice intelligibility and amplify loudness.

Wireless accessories free personnel to interact safely – so drivers can keep their hands on the wheel while they communicate and trainers can keep their radio in the medical bag while they attend to an injured player. These ruggedly reliable and Bluetooth® compatible accessories range from lightweight earpieces to a wireless push-to-talk (PTT) you put in a pocket and link to any wireless earpiece.

Remote speaker microphones make it easy for staff to communicate without having to remove the radio from their belt or jacket. Waterproof models are ideal for rainy days, outdoor sports events or helping children off the bus during inclement weather.

Rely on batteries with perfect attendance.

School days don't end at 3:00 p.m. for your employees and neither should their radio batteries. MOTOTRBO radios operate up to 40% longer between recharges compared to typical analog radios. To prolong the life of your batteries and maximize talk time, "smart energy" IMPRES™ technology automates battery maintenance so radios are ready to go whenever they are.

BENEFITS FOR ADMINISTRATORS AND EDUCATORS

Delivers the right device for the right user

Clear voice communication throughout your district

Integrated voice and data in one device

Text messaging when voice communication isn't practical

GPS tracking and dispatch for access to drivers and vehicles

Scalable solutions to meet your communication needs

Easy to migrate from analog to digital

"We receive positive comments from parents quite often. They appreciate what we have done in terms of putting the MOTOTRBO system in place because it creates a safer, more secure environment for their children."

Fay Miller, Assistant Superintendent,
Kent County School District

"In the end, it's all about student safety. Whatever we can do to keep them safe is a win for all of us. MOTOTRBO was the right solution"

Bob Ciserella, Asst. Superintendent
School District 41, Glen Ellyn, IL

APPLICATION BRIEF
EDUCATION

**MOTOROLA TWO-WAY
RADIOS**



GENERAL DESCRIPTION

Device Highlights	<ul style="list-style-type: none"> • Portable radio • Analog voice communications (digital optional) • Simple and easy to use • Rugged • Excellent audio quality • Functions in direct or repeater modes only 	<ul style="list-style-type: none"> • Mobile radio • Analog and digital voice communications • Reliable and affordable • Rugged • Crystal-clear digital audio • Compatible with basic MOTOTRBO wide-area systems 	<ul style="list-style-type: none"> • Portable radio • Analog and digital voice communications • Compact and capable • Rugged • Crystal-clear digital audio • Compatible with basic MOTOTRBO wide-area systems 	<ul style="list-style-type: none"> • Mobile radio • Analog and digital voice communications • Communications powerhouse • Extremely rugged • Crystal-clear digital audio • Compatible with all MOTOTRBO wide-area systems • Supports text messaging • Supports productivity-enhancing data applications 	<ul style="list-style-type: none"> • Portable radio • Analog and digital voice and data communications • Communications powerhouse • Extremely rugged • Crystal-clear digital audio • Compatible with all MOTOTRBO wide-area systems • Supports text messaging • Supports productivity-enhancing data applications
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DESIGNED FOR:

Principal/Dean/Administration				•	•
Teacher/professor	•		•		
Maintenance	•	•	•		•
Security		•	•		•
Bus Driver		•		•	

USER AND APPLICATION CONSIDERATIONS

Technology	Analog (DMR digital optional)	Analog and DMR digital			
Weight (std battery)	12 oz (340 g)	2.9 lbs (1.3 kg)	10 oz (285 g)	3.9 lbs (1.8 kg)	12 oz (340 g)
Channels	16	128	16-128	up to 1000	up to 1000
Programmable Buttons	2	4	2	4	2 + 1
Dedicated Emergency Button	No	No	Yes	No	Yes
Bluetooth for Wireless Headset Support	No	No	No	Yes	Yes
Display/Keyboard	No / No	Yes/Yes	Optional / Optional	Yes/Yes	Optional / Optional
Fleet Management	Yes	Yes	Yes	Yes	Yes
Application Support	No	No	No	Yes	Yes
Battery Life	Up to 13.5 hrs	-	Up to 11.5 hrs	-	Up to 17 hrs

AUDIO TECHNOLOGY

Technology	Analog (DMR digital optional)	Analog (DMR Digital Options)	Analog and DMR Digital	Analog and DMR Digital	Analog and DMR Digital
Background Noise Suppression	Yes	Yes (Enhanced)	Yes (Enhanced)	Yes (Enhanced)	Yes (Enhanced)
Advanced Features	*Dual-Capacity Direct Mode	Dual-Capacity Direct Mode Intelligent Audio IMPRES™ Audio			

INTEGRATED VOICE COMMUNICATIONS

Inter-communications with telephones	Yes ¹	Yes ¹	Yes ¹	Yes ¹	Yes ¹
Inter-communications with Motorola's mobile computers and VoWLAN phones	Yes ¹	Yes ¹	Yes ¹	Yes ¹	Yes ¹
MOTOTRBO Dispatch Features	Yes (respond only)	Yes	Yes	Yes	Yes

ACCESSORIES

Headsets, Earpieces, Microphones	Yes - Selection	Yes - Wide selection	Yes - Wide selection	Yes - Wide selection	Yes - Wide selection
Carry Options	Cases, clips, lanyards	-	Cases, clips, lanyards	-	Cases, clips, lanyards
IMPRES™ Smart Energy System ²	No	-	Yes	-	Yes

¹ Requires additional infrastructure ² Lengthens battery life and extends talk time

For more information on how to make on-time delivery and all-the-time reality, visit www.motorola.com/mototrbo

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MOTOTRBO
DIGITAL
REMASTERED.

