

Rugged PTT & Portable Radios

Modern construction sites need more than voice. Your crews need to share documents, capture photos, access drawings, and communicate across a large site, sometimes all at the same time. That's why our portable solution combines rugged PTT tablets and devices with purpose-built two-way radios.



**What matters
most on a
construction site?**

- Durability rated for dust, moisture, and drops
- Audio that cuts through heavy equipment and generator noise
- Crew-simple operation: pick it up and use it, no manual required
- IMPRES smart battery technology on senior Motorola models for all-shift battery life
- RugGear PTT devices connect seamlessly over Private LTE or existing networks
- Rental options available for short-duration projects

Push-to-Talk VS Two-Way Radio

Comparison Guide

Spec	Motorola R2	Motorola R5	RugGear RG190	RugGear RG440	RugGear RG880i
Device Type	Portable Radio	Portable Radio	PTT Radio	PTT Radio	PTT Smartphone
Technology	Analog/Digital Radio	Analog/Digital Radio	PTT over 4G LTE	PTT over 5G/4G LTE	PTT over 4G LTE
Network Dependency	None – independent	None – independent	LTE required	LTE or Private LTE	LTE required
Connectivity	Radio frequencies	Radio frequencies	4G LTE	5G/4G LTE, Wi-Fi 6	4G LTE, Wi-Fi
OS / Platform	Motorola firmware	Motorola firmware	Android 10 GO	RG-OS 14	Android 14 (GMS)
Display	Small screen	Small screen	1.73" LCD	2.4" color display	5.5" HD+ sunlight readable
Camera	None	None	None	8 MP front	50 MP rear / 8 MP front
Battery	Li-Ion	Li-Ion IMPRES	3000 mAh removable	2400 mAh removable (4800 optional)	4500 mAh removable, fast
Speaker Output	Loud, clear	Loud, clear	>105 dB	105 dB	>103 dB angled
Noise Cancellation	Standard	Standard	AI Hardware NC	Intelligent Hardware NC	Standard
Weight	310g	295g	208g	302g	267g
IP Rating	IP67	IP67	IP54	IP68 / MIL-STD-810H	IP68 / MIL-STD-810H
SOS Button	No	No	Yes	Yes	Yes
Talkgroup Selector	Channel knob	Channel knob	16-pos rotary knob	Turn knob	Rocker switch
Data Capable	No	No	Basic	Full data	Full Android apps
Biometric Security	No	No	No	No	Fingerprint reader
Warranty	1 Year	3 Years	Contact Westcan ACS	Contact Westcan ACS	Contact Westcan ACS
Best For	Foremen, general crew	Safety, senior staff	Budget LTE radio, simple use	Private LTE environments	Roles needing comms + data + apps

RugGear Tablets

RugGear tablets are built from the ground up for field environments. Unlike consumer devices with aftermarket cases, RugGear units are designed to survive the conditions that northern Alberta and British Columbia job sites have. Their devices have been engineered to handle temperature extremes, dust, moisture, and drops.

***Tough Enough
for the Site
Smart Enough
for the Work***

How Site Teams Use RugGear Tablets to Streamline Operations

- Real-time documentation and digital forms
- Photo capture and upload directly from the field
- Access to drawings, safety plans, and as-built documentation
- Two-way communication and dispatch alongside push-to-talk radio
- Connected to your Private LTE network or existing Wi-Fi infrastructure

