

Curve



Essential Communications Device for Essential Staff

Businesses have always been under pressure. To succeed, they need to deliver what the competition can't. That means quick order fulfillment, an attractive shopping environment, and top-notch customer service – all while keeping their inventory secure and their staff and customers healthy and safe. Making this happen requires a team of employees to act as one, and for that, they need instant communication. But keeping a team connected isn't easy. Smartphones with complicated apps can be a distraction, and Wi-Fi that works in the office or the breakroom may not work so well in a large showroom or a crowded shopping mall. The wrong radio can be frustrating, with constant chatter causing listener fatigue and poor connectivity impeding communication right when it's needed.

Motorola Solutions offers the right radio to address business communication challenges: the Motorola Solutions Curve. This radio combines simple, intuitive radio operation with advanced, WiFi-enabled features that help teams stay connected while remaining productive and focused on their work.

CONNECTED

- Radio-based push-to-talk combined with advanced, WiFi-enabled features
- Flexible, unique call options
- License-free digital technology
- Unique group privacy and interference-free operation

PRODUCTIVE

- Voice Assistant Feature & Voice Assistant Management Portal
- Scan & Priority Contact List
- Better battery life (11.5 hrs 5/5/90 with BT110 battery)
- Extended talk range (up to 300,000 sq ft and up to 20 floors*)

DURABLE

- IP5X-sealed against dust and humidity
- MIL Specs 810 tested for maximum durability
- Polycarbonate housing with built-in antimicrobial properties

* The communication range quoted is under optimal conditions, with an unobstructed line of Sight. Actual range will vary depending on terrain and other local conditions, and is often Less than the maximum possible. Your actual range will be limited by several factors including, but not limited to, terrain, building construction, weather conditions, etc.



COMPETITIVE COMPARISON



Features	MSI Curve	Hytera BD502i	Kenwood NX-P500	AWR Advantage	Winning Theme
General					
Size with Standard Battery	4.55" x 1.87" X 0.95"	5.15 x 2.12 x 1.41 in ¹	3.7 x 1.97 x 1.07 in ²	5.8 x 2 x 1.1 in ³	The Curve is designed for the skilled professional and offers compact size
Weight with Standard Battery	5.11 oz	8.46 oz ¹	5.64 oz ²	4.5 oz ³	Curve is designed with the user in mind, to be carried with ease and without compromise.
License Free	YES (900 MHz ISM)	NO ¹	NO ²	NO ³	Operating in the digital 900 MHz ISM license-free band, the Curve leverages the Frequency Hopping Spread Spectrum (FHSS), which makes communications more private and reliable when compared with analog radios.
Battery Life (Digital)	11.5 hrs @ LMR 5-5-90 (16 hrs. with BT110 battery)	16 hours (1500 mAh Standard battery) ¹	15.5 hours (2200 mAh battery) ²	14 hours (1200 mAh Standard battery ANALOG ONLY) ³	The Curve offers a large standard battery size and prolonged life (note that if Wi-Fi is on and Voice Assistant is active, Curve battery life drops slightly to 10 hrs with standard BT90 battery or 14.5 hrs with BT110 battery)
IP Rating	IP5X	IP54 ¹	IP54/55/67 ²	N/A ³	IP5X rating for resistance to low pressure water and dust intrusion, providing performance in extreme environments.
Channels	10	48 ¹	6 ²	16 ³	Motorola offers a competitive number of channels.
Antimicrobial Housing	YES	NO ¹	NO ²	NO ³	Tough, polycarbonate housing contains built-in antimicrobial properties that inhibit the growth of bacteria and mold on the radio surfaces.
MIL-Specs Tested	9	4 ¹	11 ²	0 ³	The Curve has been tested to meet a number of Military Specifications for durability.
Audio Distortion	<5%	≤3% ¹	<10% ²	≤5% ³	The Curve has low audio distortion, translating to clearer audio with less clipping.
Frequency Stability	±1ppm	±0.5ppm ¹	±2.5ppm ²	±2.5ppm ³	The Curve has low frequency stability, leading to a consistent audio signal.

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Features	MSI Curve	Hytera BD502	Kenwood NX-P500	AWR Advantage	Winning Theme
Communication Features					
Voice Assistant over Wi-Fi	YES	NO ¹	NO ²	NO ³	Cloud-based processing of voice commands, delivered over a Wi-Fi data network, enabling advanced voice-command interpretation while keeping the radio simple and slim.
Voice Assistant Portal	YES	NO ¹	NO ²	NO ³	A Web-based application that allows the user to add associates to a work location, add group assignments to a location, and analyze usage
Voice Messaging/Voicemail	YES	NO ¹	NO ²	NO ³	For those times when live conversation is not needed, the Curve radio can receive a voicemail message, which can be played at the receiver's convenience.
Private Reply	YES	NO ¹	NO ²	NO ³	The private reply feature can free up the radio channel by allowing two people to instantly connect privately after a group transmission is made.
Direct Call	YES	NO ¹	NO ²	NO ³	Using the Direct Call feature, you can easily reach a specific individual, enabling instant communication and an immediate response without unnecessary radio chatter.
Instant Mute	YES	NO ¹	NO ²	NO ³	Immediately lower your radio volume to the minimum level by simply pressing the radio top button, allowing you to listen to a customer without interruptions.
Talk Permit Tone	YES	NO ¹	NO ²	NO ³	Promotes orderly communication through the use of a prompt tone that alerts team members when a channel is available.
Page All Available	YES	NO ¹	NO ²	NO ³	Page all available provides you the flexibility to communicate a message to everyone who is not currently tied up in a conversation.
Frequency Hopping Spread Spectrum (FHSS) Technology	YES	NO ¹	NO ²	NO ³	FHSS technology provides more reliable and private communications. By choosing from 10,000 available unique, 4 digit radio profile ID's, you can assure privacy from other neighboring radios.

References:

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[1] Hytera BD502 Spec Sheet: https://www.hytera.us/media/BD5i-Series_20181116_Web_APPROVED-1.pdf

[2] Kenwood NX-P500 Spec Sheet: <https://www.kenwood.com/usa/com/osbr/nx-p500/spec.html>

[3] AWR Advantage Spec Sheet:
<https://www.advancedwireless.com/product/awr-advantage-kit/#1526577585314-77e268fd-4123ae77-95c1>