curve

WI-FI ENHANCED
BUSINESS RADIO

RELIABLE BUSINESS COMMUNICATION, NOW WITH WI-FI AND VOICE ASSISTANCE CAPABILITIES.

ESSENTIAL COMMUNICATIONS DEVICE FOR ESSENTIAL STAFF

Today's business environment has added pressure and challenges to you and your teams. New shopping behaviors, staff shortages and increased health and safety concerns have created a necessity to deliver what the competition can't. Curve, the first business communication device with Wi-Fi and voice assistance capabilities, is here to do just that. Designed specifically for retailers, the Curve radio combines simple, intuitive radio operation with advanced, Wi-Fi-enabled features that help your team stay connected while remaining productive and focused on their work.

Curve combines radio-based push-to-talk with Wi-Fi-powered cloud connectivity, giving you the best of both worlds: simple, clear, robust voice communications and advanced features with intuitive operation. By using digital radio for voice communications, Curve can take advantage of Wi-Fi where it's most effective: leveraging data for advanced applications that help make the radio more useful and intuitive.

Curve's ergonomic design, familiar form factor and simple operations make it easy to stay in touch. Its durable construction means that the occasional drop won't necessitate a trip to the back room for a replacement; Curve is built for the real-world challenges of a retail environment. With a 300,000 square foot range*, Curve will not slow you or your team down.

KEY FEATURES

- Wi-Fi/LMR Capabilities**
- Color LED Status Indicator
- Virtual Assistant
- Voicemail
- Extended Range
- License-Free Operation
- Rugged (MIL-STD 810C, D, E, F, G, H)

MOTOROLA SOLUTIONS

GENERAL SPECIFICATIONS

Channels	10
Frequency	915-928 MHz
Range	Up to 300,000 Sq. Feet or 20 Floors*
License Free Band	Operates license-free in 900 MHz ISM Band

DIMENSIONS	WITH BT90 BATTERY	WITH BT110 BATTERY
HxWxD with battery and door	4.55" x 1.87" x 0.95" 115.5 x 47.5 x 24.0mm	4.55" x 1.87" x 1.02" 115.5 x 47.5 x 26.0mm
Weight with battery and door	5.11 oz/145 g	5.45 oz/155 g

POWER	WITH BT90 BATTERY	WITH BT110 BATTERY
Battery Capacity	1800 mAh	2500 mAh
Charging Time	4 hours	5 hours 15 minutes
Battery Life*** (Wi-Fi off)	11.5 hours	16 hours
Battery Life*** (Wi-Fi on, Voice Assistant active)	10 hours	14.5 hours

*Coverage depends on terrain and environmental conditions.

**Service subscription required for Wi-Fi capabilities.

*** Based on 5/5/90 use pattern. Actual battery life will vary.

RECEIVER

Preamble Sensitivity	-125dBm
Frequency Stability	± 1PPM
RX Spur Emissions- Radiated	<43.5dBuV/m (3m)
Blocking Immunity: ±500 kHz to ±1 MHz	75dB
Blocking Immunity: ±1 MHz to ±15 MHz	80dB
Audio Distortion @ Rated	<5%

TRANSMITTER

RF Output	1W EiRP
Channel Spacing	50kHz
Frequency Stability (-30ºC to 60ºC)	± 1PPM
TX Spurious Emissions - radiated	<54dBuV/m (3m)
Audio Distortion	<3%
TX ACPR	-50dBc
FCC Modulation	8-level FSK 900MHz FHSS

ENVIRONMENTAL

Operating Temperature	-20ºC to +60ºC (Radio)
Storage Temperature	-40ºC to +85ºC (Radio)
Dust Intrusion	IEC 60529 IP5X

MILITARY STANDARDS

	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G		MIL-STD 810H	
	Method	Procedure	Method	Procedure	Method	Procedure	Method	Procedure	Method	Procedure	Method	Procedure
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.6	II	500.6	II
High Temperature	501.1	I, II	501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Hot	501.6	I/A1, II/A1	501.7	I/A1, II/A1
Low Temperature	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I/C3, II/C1	502.6	I/C3, II/C1	502.7	I/C3, II/C1
Temperature Shock	503.1	I	503.2	A1/C3	503.3	A1/C3	503.4	I	503.6	I-C	503.7	I-C
Solar Radiation	505.1	II	505.2	I/Hot-Dry	505.3	I/Hot-Dry	505.4	I/Hot-Dry	505.6	I/A1	505.7	I/A1
Humidity	507.1	II	507.2	II/ hot-humid	507.3	II/ hot-humid	507.4	-	507.6	II/Agg	507.6	II/Agg
Dust	510.1	I	510.2	I	510.3	I	510.4	I	510.6	I	510.7	I
Vibration	514.2	VIII/F, W, XI	514.3	I/10, II/3	514.4	I/24, II/5	514.5	I/24, II/5	514.7	I/24, II/5	514.8	I/24, II/5
Shock	516.2	I, II	516.3	I, IV	516.4	I, IV	516.5	I, IV	516.7	I, IV	516.8	I, IV

For more information, please visit **motorolasolutions.com/curve**

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