

UNITY™ XG-100P**FULL-SPECTRUM****MULTIBAND RADIO***Federal Agencies*

The Unity™ XG-100P Full-Spectrum Multiband Radio's user-centric design delivers unprecedented interoperability, ease-of-use, and advanced capabilities in a radio that you can depend on for years to come.

Public Safety

The XG-100P covers all portable land mobile radio frequency bands in a single radio. With frequency coverage across the VHF, UHF, and 700/800 MHz bands, extended battery life, and full APCO P25 compliance, the XG-100P enables interoperability with responders from any agency, whether operating on analog or digital. The ability to scan continuously across all bands, voice modes, and encryption types puts unprecedented connectivity in the hands of the user.

First Responders

Able to store multiple mission files, each capable of storing 1,250 channels, the XG-100P can be completely reconfigured from the front panel. A first for land mobile radios, wireless radio-to-radio cloning allows in-the-field programming of multiple radios without the need for cables.

The XG-100P offers significant capability beyond push-to-talk. Dual microphones and advanced signal processing for built-in noise suppression provide clear and crisp voice quality in high-noise environments. Wireless audio and data accessories are supported by built-in secure Bluetooth® technology. The internal GPS receiver enables user position to be sent securely over-the-air for personnel position tracking and rapid response for emergencies.

The large, full-color display allows easy use of the radio's features, including text messaging, GPS and front panel programming. With an ergonomic design, the XG-100P features a no-slip grip and easy-to-use, intuitive buttons for hand-held operation. Large knobs and a configurable top display provide instantaneous radio control when operating in a holster.

Ruggedness and submersibility shouldn't be an option; that's why every XG-100P is built to MIL-STD-810F military standards. The XG-100P features a true software-defined radio architecture that allows flexibility for future growth, including a software-only upgrade to the APCO P25 phase 2 standards. With a 3-year standard radio warranty, the XG-100P Full-Spectrum Multiband Radio is a future-proof investment.



Talk as One. Work as One.



Unite the entire team with one radio. For more on interoperability, visit www.talkasone.com

Capabilities

Interoperability	<ul style="list-style-type: none"> • Digital P25 Conventional • Digital P25 Trunking • Analog FM
Channel Scanning	<ul style="list-style-type: none"> • Continuous scanning of all bands • Analog, digital, dual-mode • Priority scanning • Channel voting
Call Modes	<ul style="list-style-type: none"> • Conventional • Talk-around • Unit-to-Unit • Emergency
Positional Data	Built-in GPS receiver
Wireless	Built-in secure Bluetooth® technology

Specifications

Frequency Range	136-174 (VHF), 380-520 (UHF), 762-870 MHz (700/800)
Channels/Talkgroups	12,500 (1,250 per mission file)
Mission Files	1 active, 10 stored
Channel Zones	64
Channel Spacing	Digital P25: <ul style="list-style-type: none"> • 12.5 kHz (FDMA), • 6.25 kHz (TDMA) Analog FM: <ul style="list-style-type: none"> • 12.5, 25 kHz
Transmit Power	VHF: 1-6 watts UHF: 1-5 watts 700/800: 1-3 watts
Digital Squelch	Monitor, normal, selective
FM Squelch	Noise, Tone, CTCSS, CDCSS
Battery Life	12 hours (90% idle, 5% Rx, 5% Tx)
Dimensions	2.5 W x 6.5 H x 1.8 D in. (w/o antenna)
Weight	19 oz. (w/ battery and antenna)

Interfaces

Audio	<ul style="list-style-type: none"> • Dual-microphone • Remote speaker microphone • Bluetooth® wireless technology
Radio Programming	<ul style="list-style-type: none"> • Front-panel • PC-based application • Radio-to-Radio wireless cloning
Front Display	Transflective Color LCD
Top Display	Blue Monochrome OLED

Keypad	12-button DTMF, 2 soft keys, 5-way navigator
Channel Selection	Front panel, 16-channel selector knob
Zone / Chan. Bank Selection	Front panel, 3-position top switch
User Controls	Push-to-Talk, dedicated emergency button, 3 programmable side buttons, 2-position top switch
Remote Control/Data	<ul style="list-style-type: none"> • USB • RS-232 • Bluetooth® wireless technology
Antenna Port	SMA, 50 Ohms

Encryption

Algorithms	AES, DES-OFB
Key Storage	100 keys, any combination
Key Loading	Key loader, OTAR

Environmental

Rugged	MIL-STD-810F
Submersible	MIL-STD-810F
Intrinsically Safe	Yes

Included Accessories

Antenna	136-870 MHz Whip
Battery	Intrinsically Safe Li-Polymer
Belt Clip	Detachable, Spring-Loaded

Optional Accessories

Cables	<ul style="list-style-type: none"> • USB Programming Cable • Key Loader Cable
Batteries	AA Battery Adapter
Battery Chargers	<ul style="list-style-type: none"> • Single-Bay charger • Six-Bay charger • DC Adapter/Charger
Holsters and Carry Cases	Several types available
Audio Accessories	<ul style="list-style-type: none"> • Remote Speaker Microphone • Several headsets available



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