

MISSION-CRITICAL
COMMUNICATIONS

P25 Portable and Mobile Radios

HARRIS[®]
assuredcommunications[®]



Meet the XG and XL Family

The Harris XG and XL family of radios delivers clear, reliable and secure communication with proven interoperability. Simple to operate, the XG and XL series allows users to focus on the situation, rather than radio operations. When being heard from any environment is critical, trust Harris.

XG-25M

The XG-25M is the most economical solution for those seeking the best in radio value. Armed with Bluetooth® capability and ready for operation in the narrowband frequencies, XG-25M meets the challenge without sacrificing the functionality expected from a Harris radio in the XG family. It is a Project 25 (P25) Phase 2 capable radio.

Unity® XG-100M

The Unity® XG-100M full-spectrum radio is the only mobile on the market that operates on both P25 digital and conventional analog on VHF, UHF-L, UHF-H and 700/800 MHz bands. Coupled with a low-band amplifier, this radio can also operate from 30 - 50 MHz. With its 16-bit touchscreen control head, it supports both AES and DES encryption and is P25 Phase 2 capable.

XG-75M

The XG-75M radio is a multimode mobile that delivers end-to-end encrypted digital voice and data communications, and is P25 Phase 2 capable.

NEW

XL-200P

Designed with input from mission-critical users, the XL-200P is an entirely new full-spectrum radio (i.e., processor, memory and software), that merges high-speed data with robust LMR voice to provide leading-edge connectivity. This radio can operate on both broadband and LMR, and can act as a Wi-Fi hotspot to provide broadband access at the scene. All XL-200P radios can be upgraded to LTE broadband by adding a modem board.

XG-75P and XG-75Pe

The XG-75P is a single-band radio operating in VHF, UHF-L, and 700/800 MHz frequency bands, while the XG-75Pe operates in only UHF-H and 700/800 MHz. Delivering multiple features and options, both portables are easily customizable to meet the user's needs. Rugged, immersible (option) and intrinsically safe (option), the XG-75 series is the ideal P25 Phase 2 solution for customers who operate their radios in the toughest of conditions.



Unity® XG-100P

Made in the U.S.A., the Unity® XG-100P radio is a full-spectrum radio that operates on digital P25 systems, as well as conventional analog systems. With access to VHF, UHF-L, UHF-H and 700/800 MHz, this radio scans across all bands, voice modes and encryption types at the same time—delivering end-to-end encrypted digital voice communications. The XG-100P is also a P25 Phase 2 capable radio with unique features, such as situational awareness.

XG-15P

The user-friendly XG-15P single-band portable radio, operates on VHF, UHF-H and 700/800 MHz frequencies and is designed for public service agencies and private enterprises seeking to enhance communication capabilities. This radio is conveniently packaged with the desired software, antenna, belt-clip, battery and charger for one low price—making it the perfect choice for budget-conscious agencies.

XG-25P

When communication and performance matter, the XG-25P meets the challenge. Armed with Bluetooth® functionality and ready for operation in the narrowband frequencies, the XG-25P is the best in radio value, for a P25 Phase 2 solution.



P25 Portable Radios

TOUGH STREETS.
TOUGH RADIOS.



	XG-15P	XG-25P	XG-75P	
MECHANICAL	Frequency Band (MHz)	Single-band VHF, UHF-H, 700/800	Single-band VHF, UHF-L, 700/800	Single-band VHF, UHF-L, 700/800
	Rated RF Power (W)	3.0 - 5.0	3.0 - 5.0	3.0 - 5.0
	Channel Spacing (kHz) WB/NB ¹	25/12.5	25/12.5	25/12.5
	Dimensions ² (H in x W in x D in)	5.37 x 2.44 x 1.67	5.89 x 2.44 x 1.85	5.89 x 2.44 x 1.86
	Approximate Weight ³ (oz)	13.8	15.0 - 18.8	14.41 - 18.28
	Battery Life (hrs/mAh)	10 hrs (2400 mAh)	8 hrs (2000 mAh) - 16 hrs (3600 mAh)	8 hrs (2000 mAh) - 16 hrs (3600 mAh)
	Display	Dot Matrix LCD	Dot Matrix LCD	Dot Matrix LCD
	Keypad	Full	Full or Limited	Full or Limited
	Channel Bank Switch	—	—	A/B
FEATURES	Durability Rating (MIL-STD-810G)	Dust-protected/Splashing Water IP-54	Dust-tight/Powerful Water Jets IP-66	Immersible 2 m (4 hrs) IP-68
	Channel/Talkgroup Capacity	512 Standard	512 Standard 1,024 Optional	1,024 Standard
	Personality Lock	Optional	Optional	Optional
	GPS Capability	Optional	Optional	Optional
	Bluetooth® Functionality	Optional	Optional (Built-in)	Optional
PROTOCOLS	Color (Case)	Gray	Black	Black & Gray, Tactical Green, Midnight Black and High-Visibility Yellow
	Active Noise Cancellation	—	—	Standard
	AMBE+2™ Vocoder (Noise Suppression)	P25	OpenSky®, ProVoice™, P25	OpenSky®, ProVoice™, P25
	AES & DES Encryption	Single-key DES	Single-key DES, Multi-key AES/DES	Single-key DES, Multi-key AES/DES
	Over-the-Air-Rekeying (OTAR)	—	Optional	Optional
	Over-the-Air-Programming (OTAP)	Optional	Optional	Optional
	P25 Phase 2	Optional	Optional	Optional

¹WB/NB designates Wideband and Narrowband. ²Dimensions include the battery and excludes the measurement of the knobs and antenna. ³Approximate weight includes the battery. ⁴Future option.

Portable Accessories



Adapters

- > Bluetooth® Adapter
- > GPS Adapter



Audio

- > GPS Speaker Mics
- > Bluetooth® Remote Speaker Mics
- > Covert Earpieces
- > Heavy-duty Headsets



Batteries

- > Li-Ion 8 hrs (2000 mAh)
- > Li-Polymer 16 hrs (3600 mAh)
- > NiMH 10 hrs (2400 mAh)



Chargers

- > Multi-bay Chargers
- > Desk and Wall Chargers
- > Vehicle-mount Chargers



Carrying

- > Leather Cases and Nylon Cases
- > Belt Loops and Swivel Mounts
- > Leather Straps



XG-75Pe

Single-band
UHF-H, 700/800

3.0 - 6.0

25/12.5

5.89 x 2.44 x 1.86

14.41 - 18.28

8 hrs (2000 mAh) - 16 hrs (3600 mAh)

Dot Matrix LCD

Full or Limited

A/B/C

Immersible 2 m (4 hrs)
IP-68

1,024 Standard

Optional

Optional

Optional

Black & Gray, Midnight Black and
High-Visibility Yellow

Standard

ProVoice™, P25

Single-key DES, Multi-key AES/DES

Optional

Optional

Optional



Unity® XG-100P

Full-spectrum Multiband
VHF, UHF-L, UHF-H, 700/800

3.0 - 6.0

25/12.5

6.5 x 2.43 x 1.83

22.5

12 hrs (3600 mAh)

16-bit Color LCD (w/Backlight LED)

Full

A/B/C

Immersible 1 m (30 min)
IP-67

12,500 Standard

Optional

Standard (Built-in)

Standard (Built-in)

Black & Gray

Standard

P25

Multi-key AES/DES

Optional

Optional

Optional



XL-200P

Full-spectrum Multiband
VHF, UHF-H, 700/800

0.1 - 6.0

25/12.5

5.8 x 2.3 x 1.4

16.2

10 hrs (3100 mAh)

16-bit Color Transflective LCD
(w/Backlight LED)

Full or Limited

A/B/C/D

Immersible 2 m (4 hrs)
IP-68

12,500 Standard

Optional

Standard (Built-in)

Standard (Built-in)

Midnight Black and
High-Visibility Yellow

Standard

ProVoice™⁴, P25

Single-key DES, Multi-key AES/DES

Optional

Optional

Optional

P25 Mobile Radios

FROM THE BATTLEFIELD,
TO THE CITY STREETS.
TRUST HARRIS.



XG-25M Front Mount with
CH-25 Control Head Unit



XG-75M Front Mount with
CH-721 Full Keypad Control Unit

	XG-25M	XG-75M
MECHANICAL		
Frequency Band (MHz)	Single-band VHF, 700/800	Single-band VHF, UHF-L, UHF-H, 700/800
Rated RF Power (W)	30 - 50	30 - 110
Channel Spacing (kHz) WB/NB ¹	25/12.5	25/12.5
Control Unit (CU) + Dimensions (H in x W in x D in)	VHF Radio Only (50W): 2.8 x 7.24 x 7.9 700/800 MHz Radio Only (35W): 2.8 x 7.24 x 7.9	VHF Radio Only (110W): 2.4 x 6.9 x 11 VHF Radio Only (50W): 2 x 6.9 x 9.2 UHF (50W) + 700/800 Radio Only (30W): 2 x 6.9 x 9.2
Approximate Weight ² (lbs)	5.9	5.25 - 7.55
Mounting Kit Options	Front or Remote	Front, Remote, Motorcycle
Control Head (CH) Keypad	CH-25 Limited Keypad	CH-721 Full Keypad CH-721 Limited Keypad
Handheld Control Head	—	Optional
Speaker (External)	Optional	Standard
FEATURES		
Durability Rating (MIL-STD-810G)	Dust-protected/Splashing Water IP-54	Dust-tight/Projected from a Nozzle: IP-65 and Dust-protected/Splashing Water: IP-54
Channel/Talkgroup Capacity	512 Standard 1,024 Optional	1,024 Standard
Personality Lock	Optional	Optional
GPS Capability	Optional	Optional
Bluetooth® Functionality	Optional	—
Active Noise Cancellation	—	—
PROTOCOLS		
AMBE+2™ Vocoder (Noise Suppression)	OpenSky®, ProVoice™, P25	OpenSky®, ProVoice™, P25
AES & DES Encryption	Single-key DES, Multi-key AES/DES	Single-key DES, Multi-key AES/DES
Over-the-Air-Rekeying (OTAR)	Optional	Optional
Over-the-Air-Programming (OTAP)	Optional	Optional
P25 Phase 2	Optional	Optional

¹WB/NB designates Wideband and Narrowband. ²Approximate weight without the mounting bracket.

Mobile Accessories

Audio

- > Speakers
- > Mobile Microphones
- > DTMF Microphones
- > Desk Microphones



Handheld Control Head

- > Ruggedized
- > Compact Design
- > 3-line 12-character alphanumeric display



Available on the XG-75M and XG-100M

HHC-731



XG-100M Front Mount with CH-100 Touchscreen Control Unit

XG-100M

Full-spectrum Multiband
VHF, UHF-L, UHF-H, 700/800

30 - 50

25/20/12.5

Radio Unit Only (50W): 2 x 6.9 x 9.7

5.25 - 7.55

Front or Remote

CH-100 Touchscreen (16-bit Color LCD)
CH-721 Full Keypad
CH-721 Limited Keypad

Optional

Standard

Dust-tight/Projected from a Nozzle: IP-65 and
Dust-protected/Splashing Water: IP-54

CH-100 CU: 12,500 Standard
CH-721 CU: 1,250 Standard

Optional

Standard

Standard

Standard

ProVoice™, P25

Multi-key AES/DES

Optional

Optional

Optional

Control Units

- > Ruggedized
- > Limited Keypad
- > Touchscreen (16-bit Color LCD)



CH-721 Limited Keypad CU



CH-100 Touchscreen CU

Available on the XG-75M and XG-100M

Antennas

- > Magnetic
- > Flexible
- > GPS



Moving to P25 technology puts Volusia County in a more competitive position when pursuing federal grant opportunities. To address the next generation of digital radio networks, interoperability issues, and to better coordinate our use of the limited radio spectrum, we chose Harris...

— B. Johnson, Volusia County Sheriff, Volusia County, Florida



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