Liberator™
Wireless Systems

Setcom® Liberator™

Liberator™ Wireless Portable-Only

The most widely used wireless system for police motorcycle officers. Setcom Liberator Wireless Portable-Only system was introduced in 2005 and has been the most popular system since its inception. Setcom's Liberator Wireless SuperMic eliminates the cable between you and the motorcycle, giving you maximum flexibility, freedom of movement and reliability.

The Liberator Portable-only wireless system's handlebar transmitter enclosure is waterproof and has been certified to meet the IP-X8 standard. In addition, the Liberator SuperMic is independently certified to meet the IP-X7 waterproof standard. Conformal coating on the proprietary circuit boards provides a second layer of protection against water and other contaminates like salt and road grime which could cause the circuitry to malfunction.

The Liberator uses highly reliable frequency spectrum

- No pairing - The Liberator automatically establishes a wireless link when an officer presses the push-to-talk button on the motorcycle. There is no need to "sync" or "pair" the system to the motorcycle..

- No batteries - The Liberator's efficient power management technology eliminates the need to recharge batteries, a potentially critical point of failure. It draws the minimal power it requires from the portable radio battery.

- Waterproof - Independently tested: SuperMic is IP-X7 and handlebar transmitter is IP-X8.

- Conformal coated - The SuperMic and transmitter circuit boards are conformal coated for additional water and contaminant protection.

- Up to 1,024 simultaneous riders - With its selectable channel plan, the Liberator has been carefully designed and rigorously tested to eliminate extraneous communication between two police motorcycles and/or between the Liberator and the portable or mobile radio. Up to 1,024 motorcycles can ride together without interference.

- Backward compatible helmet kits - Setcom's Liberator is completely compatible with Setcom's traditional Helmet Kits, making it easy and affordable to upgrade.

- Quick release jack - As with Setcom's traditional SuperMics, the Liberator's helmet connection provides a quick-release jack to improve officer safety.

- Worldwide Compatibility - Systems available for North America and Europe/ROW frequency plans.

- U.S. Patent: 8,010,171

Setcom, making it easy and affordable to upgrade

1. Backwards compatible with your current Setcom helmet kit.

2. Easy installation. Estimated 1/2 hour install for Harley-Davidson.

3. Try the Liberator on one motorcycle and prove its quality and reliability for yourself.

Portable Only Wireless SuperMic

Handlebar transmitter

Setcom®

SetcomCorp.com

Liberator™ Wireless Portable-Only[1] Specifications

Frequency Plan

Frequencies Used (North America / Europe and ROW)	916 MHz (ISM band) / 869 MHz
Syncing / Pairing Requirement	None
Registration Identifier (US FCC / Canada IC)	TLV-WPO1000 / 6143A-SWPO1000
Number of Concurrent Riders in Localized Area	Up to 1,024

Power Management

Source of Power	SuperMic: Motorcycle Cable Kit:	portable radio battery motorcycle battery
Power Draw of SuperMic	Standard usage draws less than 5% of portable radio's battery capacity	
Battery Recharging	None	

Radio Compatibility

Motorola APX / XPR Series	Yes
Motorola JEDI-series[2]	Yes
Motorola HT750, HT1250, GP-360	Yes
M/A-COM Harris P7300, P5400	Yes
M/A-COM JAGUAR, 700P, 5100P, 7100, 7150, 7200	Yes
M/A-COM LPE-200	Yes
M/A-COM MRK	Yes
Kenwood NX-300, TK-3180	Yes

Radio Usage

On Motorcycle	Transmit: Receive:	portable radio portable radio
Off Motorcycle	Transmit: Receive:	portable radio portable radio

Waterproofing

SuperMic	Yes (IP-X7)[3]
Motorcycle Cable Kit / Black Box	Yes (IP-X8)[4]
Handlebar Push-to-Talk Switch and Boot	Yes (IP-X8)[4]
SuperMic and Transmitter Circuit Boards	Conformal coated

Auto Mute

SuperMic Speaker	Auto mutes when helmet kit is plugged in
SuperMic Microphone	Auto mutes when helmet kit is plugged in

Other Features

Quick Release Connectors	Helmet kit connection uses quick-release Nexus connector
SuperMic Pigtail Connector	Custom molded with EZ Grip plastic coating
Backward Capability	All Setcom KE and KA helmet kits
Ear Bud Jack	Optional accessory. Setcom part number 25-KE2EB
Easy Installation	Usually installs in less than 30 minutes on a Harley-Davidson police motor

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1 U.S. Patent 8,010,171
2 Motorola JEDI-series radios include: HT1000, JT1000, MT2000, MTS2000, MTX838, MTX8000, MTX9000, XTS1500, XTS2250, XTS2500, XTS3000, XTS3500, XTS5000, GP1200, GP900, GP9000
3 Setcom's Liberator Portable-only SuperMic enclosure meets the IP-X7 immersion specification as verified by an independent test laboratory.
4 Setcom's Liberator Portable-only transmitter enclosure and handlebar PTT switch meet the IP-X8 immersion specification.

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