



Liberator Wireless

# MOBILE - ONLY<sup>1</sup> MOBILE - PORTABLE<sup>1</sup>

## SPECIFICATIONS

FREQUENCY PLAN	
Frequency Used	13.56 MHz (Near-Field Magnetic Induction) <sup>2</sup>
Number of Concurrent Riders in Localized Area	Unlimited <sup>3</sup>
FCC Registration Identifier	TDA-FMC200
Range	3 to 5 feet (0.9 to 1.5 meters)
POWER MANAGEMENT	
SuperMic Source of Power	SuperMic: internal battery Motorcycle Cable Kit: motorcycle battery
SuperMic Battery Life	Up to 40 hours of talk time
Battery Charge Time	Up to 3 hours for complete charge
PORTABLE RADIO COMPATIBILITY	
Motorola JEDI-series <sup>4</sup>	Yes
M/A-COM JAGUAR 700, 5100, 7100, 7200, LPE, Prism HP	Yes
Motorola HT750 / HT1250	Yes
Kenwood TK_80 and TK_90 series <sup>5</sup>	Yes
MOBILE RADIO COMPATIBILITY	
Motorola Spectra, Astro Spectra, XTL5000 <sup>6</sup>	Yes
Motorola Maxtrac, M100, M208, M216, M120, M10, GM300 <sup>7</sup>	Yes
Motorola CDM750, CDM1250, CDM1500	Yes
M/A-COM Orion, Jaguar 725M, M7100 <sup>8</sup>	Yes
Kenwood TK690, TK790, TK890	Yes
RADIO USAGE	
On Motorcycle	Transmit: mobile radio Receive: mobile radio
Off Motorcycle	Transmit: portable radio Receive: portable radio
PUBLIC ADDRESS SYSTEM	
Public Address Capability	Yes
ENVIRONMENTAL	
SuperMic	Weatherproof (IP-X3)
Handlebar Transceiver Module	Waterproof (IP-X8) <sup>9</sup>
Operating Temperature	-22° to +140° F (-30° to +60° C)
Humidity	95% RH @ 8 hours (non-condensing)
OTHER FEATURES	
Quick Release Connectors	Helmet kit connection uses quick-release Nexus connector
Helmet Kit Backward Capability	All Setcom KE and KA helmet kits
SuperMic Pigtail Connector	Custom molded with EZ Grip plastic coating

<sup>1</sup> Setcom's Liberator Wireless Mobile-only and Mobile-Portable Systems are Patent Pending

<sup>2</sup> Setcom's Near-Field Magnetic Communications technology is powered by FreeLinc™

<sup>3</sup> Magnetic bubble is never more than ~6 feet from devices. Officers are able to ride handlebar-to-handlebar and wheel-to-wheel without interference or interruption.

<sup>4</sup> Motorola JEDI-series radios include: HT1000, JT1000, MT2000, MTS2000, MTS3000, MTS5000, MTX-L5, MTX838, MTX8000, MTX900, MTX960, MTX9000, XTS1500, XTS2250, XTS2500, XTS3000, XTS3500, XTS5000, GP1200, GP900, GP9000, PR1500

<sup>5</sup> Compatible Kenwood portable radios include: TK190, TK280, TK290, TK380, TK390, TK480, TK481, TK2140, TK3140

<sup>6</sup> Compatible Motorola radios include: Motorola Spectra, Astro Spectra, Syntor X9000, Maratrac, XTL5000

<sup>7</sup> Compatible Motorola radios include: Maxtrac, M100, M208, M216, M120, M10, GM300, M1225, CM200, CM300, SM120, SM50

<sup>8</sup> Connection to radio is through the P7 accessory cable (M/A-COM part number: 19B802554P7)

<sup>9</sup> Handlebar transceiver enclosure meets IP-X8 (1 hour @ 1 meter) immersion specifications