



Communication Solutions When It Matters

**X10DR®**

LIBERATE YOUR MOBILE RADIO

## Secure Wireless Microphone

**ELITE**  
series



**Handsfree Talkaround** (option)  
**Dual/Triple Mic Capability**  
**Advanced Emergency**  
**AES Encryption**  
**In Car Monitor**  
**Find Me™**





# A COSTLY HISTORY...

Since the creation of the first mobile two way radio, system designers and radio manufacturers have grappled with solutions to enhance user mobility when away from the vehicle. These solutions typically involved additional portable hand-held radios and significant additions of base station infrastructure; radio sites and complex remote receiver voting systems to back fill marginal coverage areas. Alternatively, some manufacturers developed cumbersome vehicle based mobile repeater systems where simplex portable transmissions are repeated through a mobile repeater back into the base station network. These systems required careful engineering, additional frequencies and critically complex contention management protocols to eliminate clashing from multiple vehicle repeaters at scene. Vehicle repeaters usually added system delays and required user intervention for managing which channels, mode or status to use in order to make them work. Both solutions came at a cost... a big cost!

## Now get totally liberated!

- **HANDSFREE TALKAROUND** *OPTIONAL*
- **MULTI MICROPHONE OPERATION**
- **TALK IN OR OUT OF THE VEHICLE**
- **AES 128 BIT ENCRYPTED VOICE**
- **DRAMATIC NOISE REDUCTION**
- **EXCEPTIONAL CLEAR AUDIO**
- **SIMPLE INTUITIVE DESIGN**
- **MINIMAL USER TRAINING**
- **LIGHTWEIGHT & RUGGED**
- **SEAMLESS INTEGRATION**
- **PATENTED INNOVATION**
- **IP67 WATERPROOF MIC**
- **ALL DAY OPERATION**
- **IN CAR MONITOR**
- **PUBLIC ADDRESS**
- **ULTRA-RELIABLE**
- **COST EFFECTIVE**
- **HEADSET PORT**



Standard long rotary shoulder mount clip



XVMC Velcro® shoulder mount option



XCFC Custom Front Cover option



Accessory ports  
Hirose 6 pin connector  
3.5mm mono jack



X10DR Elite Gateway



X10DRMC mobile charger



Optional Elite IP65 speaker



base view

8 Watt audio speaker jack  
USB programming port  
PA/In-Car Volume controls



WPEB Earpiece (3.5mm)  
included with handsfree model



XSJB Special Function Box  
(required for some systems features)



## **SECURE WIRELESS COMMUNICATION** *via your vehicle's mobile radio*

**X10DR**<sup>®</sup>  
LIBERATE YOUR MOBILE RADIO



YOUR  
MOBILE



**up to 500 meters from your vehicle...**

### Teams Remain Productive In Remote Work Environments

The vehicle mounted mobile radio is often the first responders' chief communication link to central command and other radio units. However, when an officer needs to go back and wait at the vehicle, to provide or receive an update, operations slow or at worst, come to a stand still, losing critical response time and placing lives at risk. X10DR is revolutionary technology, which allows field operatives to stay in constant communication with each other locally on-site or back to base, via their vehicle mounted mobile radio, up to hundreds of meters from the vehicle.

### Open Channel Group Communications

Perhaps of most significance, X10DR enables your entire work team to fully maintain that invaluable team spirit - work ethos that comes solely from entrusting an organization's wireless communications to an "open channel" two way radio system. X10DR out of vehicle capability ensure all team members continue to hear all conversations instantly, so all your team know what is going on, no matter whether they are heading down a highway or out of the vehicle doing what they are employed to do.

### Multi Microphone Operation with Handsfree Duplex option

Elite devices exclusively allow two or three X10DR Elite users to share\* a single vehicle gateway unit, reducing equipment costs and simplifying installation with only a single gateway antenna required. The feature provides both users with local off network conversations while also monitoring their vehicle's radio channel and to communicate over the network as necessary. Additionally, X10DR Elite can now **also** be factory ordered with **user selectable, full duplex, handsfree talkaround** capability where multi users can effortlessly communicate locally amongst themselves in full duplex - totally handsfree - while still being able to listen to all traffic on their vehicle's mobile radio and can respond with a press of the handset's PTT button.

- Two Police officers responding to a crime scene will be able to in **real time** communicate every nuance of their surroundings to their partner, totally handsfree, whether jumping a fence, apprehending a suspect or engaging in return fire. Now that's backup.
- Three paramedics fighting to save a driver and passengers lives at a horror auto accident can now use both hands to do what needs to be done, while communicating constantly with their partners.
- A fire appliance's crew of five can arrive on-scene and immediately start securing the area, rolling out and connecting hoses, starting pumps, manning the hoses and fighting the fire, while seamlessly communicating to their fellow crew, all totally hands free - even in the noisiest of environments.
- Electrical Utility workers up in a "bucket" will be free to use both hands with safety while communicating critical information with their groundman or an adjacent lineman even in the stormiest of tempest.

### Team Talk On or Off The Network

X10DR secure wireless microphones can be teamed up to provide six or more user operation from a single mobile radio. A junction box interface passes both transmit and receive audio to each X10DR ensuring each user hears both active parts of the communications sent over the host two way radio channel. Pressing the secure microphone's Talkaround button allows off-network local voice communications while always ensuring reception of all mobile radio traffic by every user.

## Emergency Duress Alarm

The X10DR secure wireless microphone naturally provide a duress button that can be used to activate the emergency mode within the host mobile radio. Field personnel can now call for assistance even while hundreds of meters from their vehicle. X10DR Elite models also allow localized alerting with capabilities to automatically broadcast "Live Mic" to allow remote monitoring of an emergency situation.

## Earpiece/ Headset/ Covert Accessory Operation

Elite models include a programmable Hirose® audio port on the base of each secure microphone that allows use of a wide variety of specialist and everyday headsets and audio accessories. Programming allows the device's battery to be shared with externally connected audio accessories requiring DC power. Additionally, a mono 3.5mm headphone jack provides a simple, easy and effective way to maintain quiet secured private communications. (See X10DR Accessory brochure for more details)

## Find Me™ Locator

In the event of a lost secure microphone or to find a user who may have been rendered unconscious, the new Find Me™ feature can be triggered by momentarily double pressing the front panel button on the gateway charging cradle in order to sound an alarm tone from the paired secure microphone to aid in quickly locating the user or device.

## Extra Long Battery Life

The X10DR's 1450mAH internal battery means you will typically achieve well in excess of 24 hours operation between recharges. Docking the microphone into its cradle allows 100% recharge from completely flat in less than 4 hours or for a quick top up during a rest break. For situations where charging in the vehicle is not desired, a single and six way desktop charger are also available.

## What's included in the package

### X10DR-EX2

package includes:



**XMPA "Sharkfin" multipolarity roof/rack mount antenna kit**



**XIC-1.5 1.5m Interface Cable**  
Use with radio adaptor (order separately)



**XIC-0.5 0.5m Interface Cables (2)**

### XEX2

Extra Mic Accessory package includes:



**X10DRSM-EX2 Elite Secure Mic**



**X10DRMC mobile charger**



**XDIA Dual Interf. Adaptor**



typical style

**1 x XCA-\*\* Radio adaptor**  
(Required but NOT included)  
\*\* refer pricelist for currently available radio adaptors



**XEC-4.5 4.5 meter Extension interface cable.**  
Order when the radio is trunk mounted. Connects to supplied XIC-1.5 interface cable. (optional)

WE NEVER LOSE SIGHT THAT THE RIGHT RADIO COMMUNICATIONS SOLUTION IS ABSOLUTELY VITAL IN SECURING YOUR ORGANIZATIONAL OBJECTIVES. WE CONSTANTLY FOCUS ON HOW TO DELIVER A BETTER WIRELESS SOLUTION. WIRELESS SPECIFIC SOLUTIONS THAT DELIVER TRUE EFFECTIVE OPERATIONAL RESPONSIVENESS WITH UNCOMPROMISING SAFETY.

Works with:



NXDN™ ANALOG



Distributed by



Communication Solutions When It Matters

American International Radio Inc. (AIR)

sales@airradio.com

www.airradio.com