


Liberate Your Mobile Radio™

 **WIRELESS PACIFIC™**  
...WHEN IT MATTERS

**X10DR®**  
LIBERATE YOUR MOBILE RADIO

**Secure Wireless Microphone**



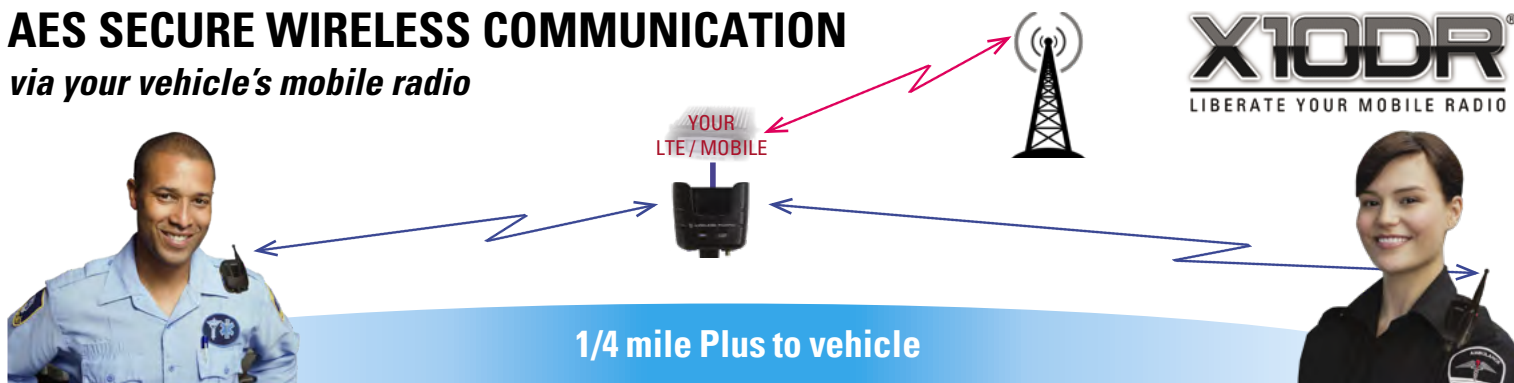
**Range Extender Relay Mode**  
**IP67 Waterproof Microphone**  
**Handsfree Talkaround**  
**Multi Mic Capability**  
**Advanced Emergency**  
**Extra Loud Audio**  
**AES Encryption**  
**In Car Monitor**  
**Find Me™**

**ELITE**  
Plus  
Series

# AES SECURE WIRELESS COMMUNICATION

via your vehicle's mobile radio

**X10DR**  
LIBERATE YOUR MOBILE RADIO



**talk up to HALF A MILE to your partner!**

## Open Channel Group Communications

Open channel group communications nurtures valuable team spirit - a work ethos that comes from entrusting one's organization's wireless communications to an "open channel" two way radio system. Law enforcement uses two way because it's the only sure way to deliver instant shared group situation awareness for all members assigned to a specific operational channel.. that's unless when they leave the vehicle. The X10DR Out Of Vehicle Solution enables your entire team to constantly stay informed whether in or out of their vehicle. X10DR core capability ensure all members continue to hear all conversations instantly, so all your users know what is going on, no matter whether they are heading down a highway or out of the vehicle while they go about protecting the public.

## Staying Secure In Remote Work Environments

The vehicle mounted communications device is often the first responders' chief communication link to central command and other field operatives units. However, when a responder 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 users to stay in constant communication with each other locally on-site or back to base, via their vehicle mounted mobile radio, for up to five hundreds yards (over a quarter of a mile) from the vehicle.

## Talk On or Off The Network - Now with local Handsfree

Elite devices exclusively allow two\* X10DR Elite handset users to communicate via a single vehicle gateway unit. This provides users with an AES secure, local on-site, exclusive voice channel, while simultaneously monitoring their vehicle's radio operational talkgroup and to instantly communicate over the network whenever desired. Pressing the secure microphone's top mounted mode select button allows users to alternatively communicate freely, off-network amongst themselves. Additionally, X10DR Elite Plus now include user selectable, **full duplex, handsfree talkaround** capability. This allows users to effortlessly communicate locally on-site amongst themselves in full duplex mode - totally handsfree - while never missing a spoken syllable received over their vehicle's LTE smartphone or LMR mobile radio and naturally with the ability to respond, as usual, with a press of the PTT button.

*Just imagine: Two first responders attending an incident can, in real time, communicate every nuance of their immediate surroundings to their partner up to a 1000 yards away, totally handsfree, whether tending emergency assistance, apprehending a suspect or securing a fire scene. Now that's backup.*

## Automatic Relay Mode

Elite Plus's unique relay mode capability ensures a user's handset that loses direct connection with its vehicle gateway will then have their communications seamlessly relayed via their "still in range" partner's relay activated handset. Designed for in-to-building range enhancement or other non-line of sight situations, the feature would typically come into play when entering buildings whose physical construction prevents an X10DR handset communicating back to their vehicle. The still in-range handset user would remain in a location that maintains connectivity to the vehicle, allowing their partners to enter deeper into the building to perform their duties. Should both handsets lose connection with the vehicle, they can continue to communicate with each other if within range of each other. (See the X10DR Elite Plus user manual for a full description of capabilities.)

\* three when not using Relay Mode or in applications not requiring multiple gateway deployments in the same locations/vehicle. We suggest you trial to make sure your operational requirements can be met before major 3HS1GW deployments.



**Relay Mode**  
via your partner's handset



## On the road to X10DR...

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. Traditional vehicular 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 these solutions came at a cost... a big cost!

In 2012, Wireless Pacific invented the first X10DR. Now in its third iteration, the X10DR Elite Plus clearly defines truly seamless cost effective Out Of Vehicle communications.

### 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 yards from their vehicle. X10DR Elite models also allow localized alerting so your nearby partner instantly knows your predicament. Naturally, X10DR can be programmed to automatically broadcast "Live Mic" to allow remote monitoring of an emergency situation.

### Mandown Monitor option

When fitted and activated, the Mandown function turns on automatically whenever you remove the handset from its charger. If there is no user movement or transmit activity for 2 minutes, quickening alert tones will sound for 30 seconds. If there is still no user activity, the radio's emergency input will be triggered. To temporarily disable Mandown operation, either power up the handset or remove it from its charger while pressing the top grey Control button until a 4 beep "pause" confirmation sounds. A gentle reminder tick will sound every 2 minutes until re-enabled. To re-enable Mandown, either power off/on the handset or place the handset into a charger and then remove. Mandown is disabled when the handset is placed into any charger/gateway.

### Earpiece/ Headset/ Covert Accessory Operation

Elite models feature a smart Hirose® audio port on the base of each secure microphone that allows use of a wide variety of specialist covert and everyday headsets and audio accessories. When required, programming allows the handset's battery to be shared with externally connected audio accessories requiring (3.3V) DC power. Alternatively an earpiece 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. Where charging in the vehicle is not desired, a single and six way desktop charger are also available.

### External Battery Connectivity

For those first responders where a handset may needs to be in constant use without being returned to the vehicle's charging gateway, a secondary external battery to be plugged into the handset's bottom headset socket via a curly cord adaptor. Once connected, the LED status light will blink every 10 seconds to indicate charging is taking place. The handset can be used as normal with\* or without the external battery attached. External batteries may be left connected, removed when charged or swapped over with a fresh battery as needed. . \*Headset operation not available when external battery is connected.

### Extra Loud Receive Audio

While some X10DR users may prefer to wear headsets or discrete earpieces to maintain privacy, many users will chose to operate their X10DR Elite Plus handsets like a traditional portable radio. The X10DR Elite Plus provide double the receive audio volume of previous models to ensure that no matter the background noise level, messages will always get through loud and clear.

# Now get totally liberated!

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



**XLMC**  
Standard long rotary shoulder mount clip



**XNMC**  
Non-metal rotary shoulder mount clip - Suit Electrical utilities



**XVMC**  
Velcro® shoulder mount option includes Velcro patch - for best shoulder placement



**XTBM**  
Talkback Microphone



**X10DR Elite Plus**  
Gateway



**XMDM2**  
Mobile charger mounting arm



**WPULH-X10 Headset**  
Ultra lightweight earhook style



**XIPB In-line PTT**  
suits all X10DR audio accessories



**WPHFH-X10 Headset**  
Industrial lightweight



**XPB-C14**  
In-line power bank Interface Box



**XMG2**  
Hughes 2100 MSat interface



**XDCI**  
15 Watt DC-DC isolation junction box  
Dimensions 50x50mm



**XDCF**  
DC Low Pass Filter  
Includes XIC-0.15  
Dimensions 50x50mm



**XSJB (V2)**  
Dual Radio junction box  
3 Gateway/ 2 Radio  
Incl. 1 x XIC-0.4 interf. Cable



**XWPB**  
Wireless PTT Button



**WPITRQ-X10**

Advanced Ear Mic with 2.5mm twist and lock earpiece



**WPTEP-TL**



**WPEH-TL**



**WPBEH-TL**



**WPQB-TL**



**WPLEH-TL**

## What's included in the package

**X10DR-EX2 Elite Plus**



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



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

**XEX2 Plus Extra Mic Accessory**



**XMVC**  
Mobile charger



**XDIA**  
Dual Interface Adaptor



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

**X10DRSM-EX2 Elite Plus Secure Mic**

## Also Purchase



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

typical style

## Optional



**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)

Works with:



ANALOG

more information at:  
[www.x10dr.com](http://www.x10dr.com)



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