



# WIRELESS PACIFIC X10DR Elite Plus Series Secure Wireless Microphone User Manual

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**Liberate Your Mobile Radio™**  
**Secure Wireless Microphone**



**Range Extender Relay Mode**  
**Handsfree Talkaround**  
**Multi Mic Capability**  
**Advanced Emergency**  
**Extra Loud Audio**  
**Touchless Pairing**  
**AES Encryption**  
**In-Car Monitor**  
**Find Me**

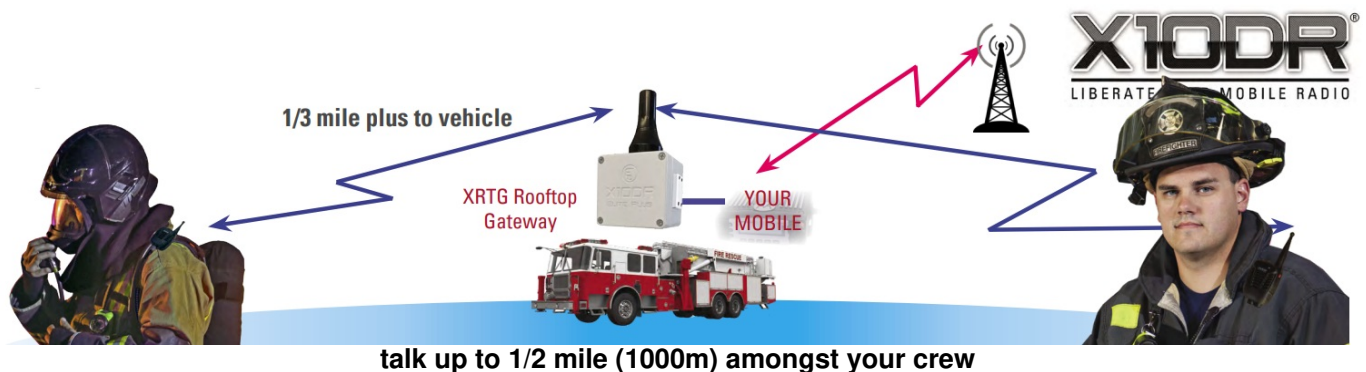
## ELITE Plus series

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## AES SECURE WIRELESS COMMUNICATION

via your vehicle's mobile radio



## Staying Secure 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 standstill, losing critical response time and placing lives at risk. X10DR is a revolutionary technology, which allows officers 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 hundred meters (over a quarter of a mile) from the vehicle.

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

Elite devices exclusively allow two, or even three\*, X10DR Elite handset users to communicate via a single-

vehicle gateway unit. This provides officers with an AES secure, local on-site, exclusive voice channel, while simultaneously monitoring their vehicle's radio operational channel and instantly communicating over the network whenever desired. Pressing the secure microphone's top-mounted Talkaround button allows officers to communicate freely, off-network amongst themselves. Additionally, X10DR Elite now includes 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 mobile radio and naturally with the ability to respond, as usual, with a press of the side PTT button.

**Just imagine:- A fire appliance's crew arriving on-scene can immediately start securing the area, rolling out and connecting hoses, starting pumps, manning the hoses, and fighting the fire, while constantly communicating to their fellow crew, all totally handsfree – even in the noisiest of environments including manning the pump!**

### **Emergency Duress Alarm**

The X10DR secure wireless microphone naturally provides 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 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 Biometric 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 it. Mandown is disabled when the handset is placed into any c

### **Wireless PTT Button**

X10DR Elite Plus secure wireless microphones can be mated with our XWPB wireless PTT button to allow "handsfree like" transmissions over your radio channel. The small finger device attaches by a small adjustable Velcro strap and is especially ideal for use with headsets and other audio accessories and for those situations when your hands are otherwise full.

### **Earpiece/ Headset/ Breathing Apparatus Accessory Operation**

Elite models feature a smart Hirose® audio port on the base of each secure microphone that allows the use of a wide variety of specialist 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)

\* three when using the third handset specifically for relay mode or in applications not requiring multiple gateway deployments in the same locations.

We suggest you try to make sure your operational requirements can be met before major 3HS1GW deployments.

### **Open Channel Group Communications.**

Open channel-group communications nurture valuable team spirit – a work ethos that comes from entrusting one's organization's wireless communications to an "open channel" two-way radio system. Fire Departments use two ways because it's the only sure way to deliver instantly shared group situation awareness for all members assigned to a specific operational channel.. that's unless the firefighter leaves the vehicle. The X10DR Out Of Vehicle Solution enables your entire team of responders constantly stay informed whether in or out of their

vehicle. X10DR core capability ensures all members continue to hear all conversations instantly, so all your firefighters know what is going on, no matter whether they are heading down a highway to a fire or out of the Fire appliance responding to an incident.



#### **Talk Back Microphone – In Cab Option**

The XTBM Talkback Microphone keeps those who stay in the vehicle fully informed of what is being said over the radio or locally on the ground. This ruggedized IP67 weatherproof speaker microphone delivers over 1W RMS of loud and clear audio power allowing the user to communicate with the Intercom crew or other members over the radio.

#### **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. The Find Me command causes the handsets to squeal at their maximum volume so its user can be quickly located in the thickest smoke or dense foliage.

#### **Extra Range Gateway**

X10DR Elite Plus Gateways are also available in an IP65 rated external weatherproof housing with an integrated multi-polarity antenna which provides enhanced signal strength to achieve better in-to-building with a line of sight coverage up to 700 meters from the vehicle. The new Elite Plus rooftop gateways allow “touchless” pairing thereby further simplifying the initial vehicle set up or changing handsets once deployed. When ordering XRTG rooftop gateways, you must order the number (max 3) of XEX2 handsets you require.

#### **External Battery Connectivity**

For those fighting wildfires where a handset may need 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 magnetic 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. The external battery will typically recharge the handset’s internal 1450mA battery in 4 hours before disconnecting or may be left connected and swapped over with a fresh battery as needed. When connected to a fully charged handset operation is typically doubled. \*Headset operation not available when the 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 choose to operate their handsets like a traditional portable radio. The X10DR Elite Plus provides double the received audio volume of previous models to ensure that no matter the background noise level, messages will always get through loud and clear.

### Command/Automatic Relay Mode

The X10DR Elite Plus now features the unique ability for a handset user to activate Relay mode whereby a partner's handset that has lost direct connection with the vehicle gateway will then have their communications seamlessly relayed via their partner's Relay activated handset. Designed for in-to-building range enhancement, it would be typically deployed when entering buildings whose physical construction prevents an X10DR handset from communicating back to their vehicle. The Relay handset user would remain in a location that remains connected to the vehicle while their partners enter deeper into the building to perform their duties. Naturally, a third "Relay activated" handset can be left at that location allowing both officers to move around the building. As an added bonus should the Relay activated handset loses connection with the vehicle, it can continue to communicate with handsets linked to it. (See the X10DR Elite Plus user manual for a full description of capabilities.)



### Now get totally liberated!

- HANDSFREE TALKAROUND OPTION
- 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
- IN-CAR MONITOR
- PUBLIC ADDRESS
- ULTRA-RELIABLE
- COST-EFFECTIVE
- HEADSET PORT





**XCFC**  
Custom Front  
Cover option



**XLMC**  
Standard long  
rotary shoulder  
mount clip



**XNMC**  
Non-metal  
rotary shoulder  
mount clip



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



**XWPB**  
Wireless PTT  
Button



**X10DR Elite Plus**  
Standard Gateway



**X10DR Elite Plus**  
Rooftop Gateway



**XMDM2**  
Mobile charger  
mounting arm



**X10W Option**  
10 Watt speaker jack  
USB programming port  
PA/In-Car volume control  
10W RMS IP65 Speaker

*base view*



**XCA-\*\*\*\***  
Radio Adaptor  
*Refer price book  
(typical style)*



**WPWLP-X10**  
Large In-Line PTT  
-for Peltor J11 Headset



**WPWLP-X10D**  
Large In-Line PTT  
-for Draeger Breath .App.



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



**WPHFH-X10**  
Headset  
Industrial  
lightweight



**XSJB**  
Dual Radio  
Interface Box



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



*For reference only  
Purchase elsewhere*

## What's included in the packages

### 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



**X10DRSM-EX2**  
Elite Plus Mic



**XMVC**  
Mobile charger



**XDIA**  
Dual Interface  
Adaptor



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

### XRTG Plus Rooftop Gateway



**XIC-6.0**  
Interface cable 6m  
*(order separately  
if different length  
desired)*



Works with:




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## Documents / Resources

	<p><a href="#">WIRELESS PACIFIC X10DR Elite Plus Series Secure Wireless Microphone</a> [pdf] User Manual</p> <p>X10DR, Elite Plus Series, Secure Wireless Microphone, Elite Plus Series Secure Wireless Microphone, X10DR Elite Plus Series Secure Wireless Microphone</p>
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## References

- [Wireless Pacific X10DR Digital Vehicular Repeater](#)