Liberate Your Mobile Radio™

WIRELESS PACIFIC™
...WHEN IT MATTERS

X10DR®

LIBERATE YOUR MOBILE RADIO

Secure Wireless Microphone

Range Extender Relay Mode
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 1/4 mile (500m)* to the ambulance

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. Paramedic teams use 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 the paramedic 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 ensure 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 an accident or out of the Ambulance saving lives.

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 a paramedic 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 paramedics 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 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 paramedics with an AES secure, local on-site, exclusive voice channel, while simultaneously monitoring their vehicle's radio operational channel and to instantly communicate 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 with 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 : Two paramedics fighting to save lives at a horror auto accident can now use both hands to apply pressure or do whatever needs to be done, while communicating constantly with their partners. Handsfree can save precious moments .

Talk Back Microphone - In Cabin Option

The XTBM Talk back microphone keeps those who stay in the vehicle fully informed of what is being said over the radio or locally on ground. This ruggedized IP67 weatherproof speaker microphone delivers over 1W RMS of loud and clear audio power allowing the user to communicate with X10DR users or other members over the radio.

Emergency Duress Alarm

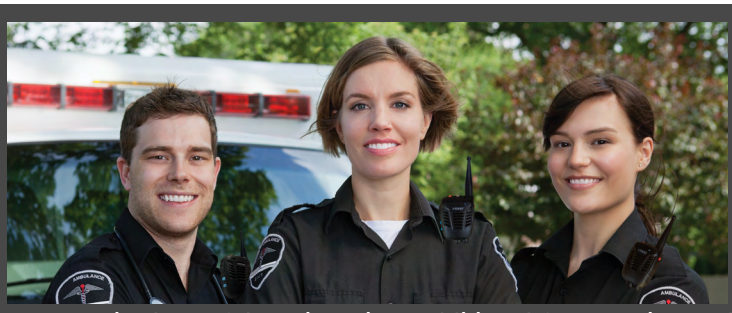
The X10DR secure wireless microphone naturally provide a duress button that can be used to activate the emergency mode within the host mobile radio. Field personnel can now call for assistance even while hundreds of meters from their vehicle. X10DR Elite models also allow localized alerting so your nearby 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. Mandown is disabled when the handset is placed into any charger/gateway.

** three when using a third handset specifically for relay mode or in applications not requiring multiple gateway deployments in the same locations. We suggest you trial to make sure your operational requirements can be met before major 3HS1GW deployments.*

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, X10DR Plus clearly defines truly seamless cost effective Out Of Vehicle communications.



Earpiece/ Headset/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 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. 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.

External Battery Connectivity

For those fighting wildfires 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 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 handsets 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 external battery is connected.

Extra Range Gateway

Where the standard coverage is just not quite enough, the Elite Plus Gateways are also available in an IP65 rated external weatherproof housing with integrated multi-polarity antenna which provides enhanced signal strength to achieve better in-to-building with line of site 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 also order the number of XEX2 handsets you require.

*Command/Automatic Relay Mode

Designed for in-to-building range enhancement, a handset with Relay Mode activated would be typically deployed when entering buildings (i.e. Emergency entrance, Building lobby?) where physical construction prevents an X10DR handset user communicating back to their vehicle should they venture much further into the building. The Relay Mode handset, correctly located, remains connected to the vehicle while the other paramedics enter deeper into the building (e.g. triage area) to perform their duties. Naturally the "Relay activated" handset user is still free to communicate, or if needed the handset can be left at that location to remain a Relay point allowing the paramedic/s to communicate while moving around the building. As an added bonus should the Relay Mode activated handset lose connection with the vehicle, it can continue to communicate with handsets linked to it. Meaning the three Elite Plus units can still communicate locally amongst themselves even in dead spots well away from vehicle coverage. (See the X10DR Elite Plus Application Notes or 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

X10DR Elite Plus
Standard Gateway

XTBM
Talk Back Remote Spk Mic- connects via XDIA to gateway

Mounting Clip

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

XMVC
mobile charger
Included with XEX2

XSJB
Dual Radio
Interface Box

X10DR Elite Plus
Rooftop Gateway

XDIA
Dual Adaptor

XIC-0.5
50cm interface cable

XIPB
In-line PTT
suits all X10DR audio accessories

WPHFH-X10
Headset
Industrial lightweight

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

XPB-C14
In-line power bank
Interface Box

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 package includes:

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:

P25 DMR MOTOTRBO™

TETRA dPMR digital NXDN™ **ANALOG**

more information at:

www.x10dr.com

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