

Liberate Your Mobile Radio™

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

**X10DR®**  
LIBERATE YOUR MOBILE RADIO

**Secure Wireless Microphone**



## **MOTORCYCLE**

**IP67 Waterproof Microphone**

**Wired Handlebar PTT**

**Wireless PTT Option**

**Use On or Off Bike**

**Extra Loud Audio**

**AES Encryption**

**Public Address**

**Dual Radio**

**ELITE  
Plus  
Series**



## 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 rider mobility when away from their bikes. Where 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 were not a financial option, some manufacturers developed cumbersome “turkey roaster” 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. These 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. ..and for the rider there was always the critical issue of being hard-wired to the bike!

In 2012, Wireless Pacific invented the first X10DR and the problem was solved. Now in its third iteration, the X10DR Elite Plus clearly defines truly seamless cost effective Motorcycle communications.

### Open Channel Group Communications

Open channel group communications nurtures valuable team spirit - a work ethos that comes from entrusting one's organisation'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 the officer leaves their bike. The X10DR Motorcycle Solution enables your entire fleet of officers to constantly stay informed whether on or off their bike. X10DR core capability ensure all members continue to hear all conversations instantly, so all your officers know what is going on, no matter whether they are heading down a highway or off the bike upholding the law while they go about protecting the public.

### Staying Secure In Remote Work Environments

The motorcycle mounted mobile radio is often the riders' chief communication link to central command and other radio units. However, when an officer needs to go back and wait at the bike, 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 officers to stay in constant communication with each other locally on-site or back to base, via their motorcycle mounted mobile radio, for up to five hundreds metres from the bike, a lot further than most riders will choose to walk.

### Talk Over The Radio Network Or Public Address System

Elite Plus devices allow handset users to communicate via the an appropriate configured gateway unit to communicate either over the host mobile radio network, or where desired, locally over the motorcycle's public address system. The rider uses the grey top mounted special function button to toggle the large side PTT (or an optional wireless PTT button) to alternatively, broadcast the riders voice to those nearby commuters or bystanders at an incident scene to provide effective crowd control via the bike's PA system.

### Dual Radio Or PTT-SAT Connectivity

X10DR Elite Plus system can utilise a XSJB Special Function Box to allow connection to a second mobile radio or a PTT Sat Terminal, where desired. The rider hears all receive audio from both attached mobile devices with an adjustable marker tone attached to each reception of one of the devices for network. The rider uses the handset's grey top mounted special function button to toggle the large side PTT (or an optional wireless PTT button) between the two attached host mobile devices. Programmable unique TX talk permit tones confirm the device being transmitted on. A secondary hard-wired switch can also be attached to the XSJB to allow the rider to select which device they will transmit over.

### Wired Or Wireless Handlebar PTT

The X10DR Elite Plus secure wireless microphone standard installation radio XCA interface cables provides an input that can be directly wired to an existing handlebar (active low) PTT button. Alternatively, a Velcro strap attached wireless PTT button is optionally available.



**X10DR**  
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## 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 are especially ideal for use when still wearing your helmet and for those situations when your hands are otherwise full. Alternatively, the PTT button can be strapped to the handle bar when a wired PTT button is not preferred.

## 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. Riders can now call for assistance even while hundreds of metres from their bike. 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.

## Headset Operation

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

## 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 on the bike is not desired, a single and six way desktop charger are also available.

## Extra Loud Receive Audio

While usually Motorcycle X10DR users will be wearing a helmet with inbuilt headset, when riders remove their helmet they can chose to operate their 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.



# TIME TO GET LIBERATED™



**AES SECURE WIRELESS COMMUNICATION**

**talk up to 500 metres away from your bike!**

# Now get totally liberated!

**X10DR®**  
LIBERATE YOUR MOBILE RADIO

- 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



**X10DRSM-EX2**  
Elite Plus Handset



**XCFC**  
Custom Front Cover  
option



**XLMC**  
default standard  
long rotary shoulder  
mount clip



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

## GATEWAY VARIATIONS



**X10DR XWPB**  
Wireless PTT Button



**XIC**  
Interface cable  
many sizes  
available



**XSJB**  
Special Junction  
Box  
Dual Radio



**XRTG-EX2**  
IP67 External  
Gateway  
maximum range



**XIVG-EX2**  
Compact Internal  
Gateway  
requires internal or  
external antenna



**X10DRMD-EX2**  
Mobile Charger Gateway  
used when Public Address  
feature required. - order: Std.  
X10DR-EX2 package.

## How to Order

**X10DRSM-EX2**  
Elite Plus Handset



+

OR

+

**XRTG-EX2**  
External Gateway



+



**XIC**  
Interface cable

+



**XCA\*\*** Radio adaptor  
\*\* refer price list

**XIVG-EX2**  
Internal Gateway



+



**XSMA2**  
Ground independent  
antenna kit  
- range not optimum

OR



**XMPA**  
Multipolarity  
antenna kit for  
maximum range

+



**XIC**  
Interface cable

+



**XCA\*\*** Radio adaptor  
\*\* refer price list

## Accessories



**XDTC**  
Desktop Charger



**X6WC**  
6 Way Charger



**XMCH-C**  
Closed helmet headset



**XMCH-O**  
Open Face helmet headset

Works with:



more information at:

[www.x10dr.com](http://www.x10dr.com)

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