

Liberate Your Mobile Radio™

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

ELITE LTE RSM Series

Designed for use with



X10DR®
LIBERATE YOUR MOBILE RADIO

Dual Mode-LTE Rem Spk Mic



Actual Size

Dual Mode

- LTE Smartphone Rem Spk Mic Mode
- X10DR Off Net Direct Connect Mode
- IP67 Waterproof Microphone
- Handsfree/PTT Talkaround
- Extra Loud Audio
- AES Encryption

Off Net Direct - 250-500 meters



~280 yards D2D Coverage



talk D2D Off Net a long way from your partner!

Talk Direct

X10DR Elite LTE RSM handsets are designed to provide, direct talkaround communications between 2 or 3 users when LTE network coverage is un-available or where localized conversations not on the operational talkgroup is preferred. The lightweight but ultra rugged waterproof handset provides two modes of operation. Mode A provides a traditional Mission Critical Remote Speaker Microphone, user interface for operation of the attached LTE equipped Smartphone. Mode B provides a virtual AES encrypted, exclusive digital talkgroup between two or three like configured X10DR handsets. The top mounted yellow button combined function mode selector allows the user to toggle between transmitting over the LTE Network or locally Off Net whenever they press the handset's side PTT button. Regardless of the Mode selected, the user always hears all transmissions over their LTE smartphone's selected talkgroup and those made locally on talkaround via their paired partners devices. A front panel LED lights Red when transmitting over the LTE network, Green when talking locally off-net Blue if a secondary host device such as a LMR mobile or sat link is connected via the gateway device.

Talk On or Off The Network - Now with local Handsfree

Elite LTE devices can communicate directly with each other, or when available, via an optional vehicle mounted gateway repeater unit to provide up to a 1000 meters Off Net talkaround communication. A lot further than most users will choose to walk without moving their vehicle. This provides officers with an even greater area to roam and communicate off-net, while simultaneously monitoring their LTE Smartphone's radio operational talkgroup. Selecting Talkaround allows officers to communicate freely, off-network amongst themselves. Additionally, X10DR Elite LTE includes user enabled, **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 the network operational talkgroup.

Staying Totally Secure In All Work Environments

Talkaround conversations are transmitted between handsets in AES 128 bit, but unlike traditional AES encrypted two way radio deployments, the encryption key automatically changes throughout the operational day, making it, when coupled with its relative short range, far more tactically secure than your typical AES256 wide area network.

Emergency Duress Alarm

The X10DR secure wireless microphone naturally provide a duress button that can be used to activate the emergency/SOS mode of a suitably equipped LTE Smartphone or on a host LMR mobile radio if part of the vehicle fit-up. Field personnel can now call for immediate assistance even while hundreds of yards from their vehicle. X10DR Elite LTE models also allow localized alerting so your nearby partner instantly knows your predicament.

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.

X10DR... bringing it all together

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 especially in case of limited coverage. 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. 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 family of range extenders clearly defines truly seamless, cost effective, Out Of Vehicle communications. The Elite LTE RSM models now bring this same simple and easy to use approach to allow the growing number of LTE Smartphone users to communicate privately and exclusively locally on-site where operational discretion or network coverage limitations demand.

Earpiece Accessory Operation

Elite LTE models feature a 3.5mm earpiece jack on the base of each secure microphone that allows use of a wide variety of specialist covert and everyday earpiece audio accessories.

Extra Long Battery Life

The X10DR Elite RSM's 1450mAH internal battery means you will typically achieve well in excess of 24 hours operation between recharges. Where charging from the attached LTE smartphone is not sufficient, a single and six way desktop charger are also available.

Extra Loud Receive Audio- Individual Adjustment.

While some X10DR users may prefer to wear discrete earpieces to maintain privacy, many users will chose to operate their handsets like a traditional portable LMR radio. The X10DR Elite LTE RSM model provides 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. To aid the ever changing operational communications needs, the Elite LTE Rem Spk Mic volume controls are configured to be used solely for setting D2D talkaround receive volume while the LTE Smartphone sets its overall volume levels sounding from the X10DR RSM. In this manner the user can set their personal desired listening level for both LTE Network and for Off Net receptions.



Now get totally liberated!

- LTE SMARTPHONE DUAL MODE
- PTT/HANDSFREE TALKAROUND
- AUTOMATIC RELAY MODE
- AES 128 BIT ENCRYPTED VOICE
- VERY LOUD & CLEAR AUDIO
- AUTOMATIC RELAY MODE
- SIMPLE INTUITIVE DESIGN
- MINIMAL USER TRAINING
- LIGHTWEIGHT & RUGGED
- SEAMLESS INTEGRATION
- PATENTED INNOVATION
- IP67 WATERPROOF MIC
- ALL DAY OPERATION
- ULTRA-RELIABLE
- COST EFFECTIVE
- EARPIECE JACK
- ~ 250M RANGE



OPTIONAL EARPIECE



WPTEP-TL



WPEH-TL



WPBEH-TL



WPEB-TL



WPLEH-TL

OPTIONAL DESKTOP/MOBILE CHARGERS



X6WC
AC/DC 6 Way Charger



XMVC
Mobile Charger



XDTC-US
AC/DC Desktop Charger

RSM CHARGING

The Elite RSM will normally recharge via the connected host LTE Smartphone device but when not available or there is insufficient capacity, then both Mobile and Desktop chargers are available.

1 x XCA- Radio adaptor**
(Required but NOT included)

** refer price list for currently available radio adaptors(XCA-XP8 for Sonim XP8 shown)

Designed for use with:



more information at:

www.x10dr.com



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