

Model Comparison

X10DR®
LIBERATE YOUR MOBILE RADIO

Secure Wireless Microphone

LITE



PRO Plus



ELITE Plus



Feature Comparison Matrix	<i>Model:</i>	Lite	Pro⁺	Elite⁺
Out of vehicle range - typical line of sight		300 meters	500 meters	500-700 meters*
Voice Encryption Type		Yes - Safer +	Dynamic AES128	Dynamic AES128
Multi handsets connected to single gateway capability		No	No	Yes
Handsfree Full Duplex local or PTT talkaround		No	No	Yes
Relay Mode - Commander or Automatic		No	No	Yes
Local talkaround capability		No	No	Yes
Mandown - User immobility alert - Emergency trigger option		No	Yes	Yes
Find Me™ Lost handset locator		No	Yes	Yes
Dual Radio control (with XSJB) capability		No	Yes	Yes
Multi gateway capability (with junction box)		No	Yes	Yes
External roof top gateway option		No	No	Yes
Internal compact gateway option		No	Yes	Yes
Public address audio output (line level) 3.5mm socket on gateway		No	Yes	Yes
Public address / In Car Monitor 10W output 3.5mm socket on gateway		No	No	Option
Handset Wireless charging option		No	Yes	Yes
Handset Waterproof IP67 secure microphone		No	Yes	Yes
Handset Low profile Off/On button (right side)		No	Yes	Yes
Handset Speaker audio levels		5	7	7
Handset Sure touch™ PTT button		No	Yes	Yes
Handset Volume controls on side		Yes	Yes	Yes
Handset Waterproof rating		IP55	IP67	IP67
Handset Talkaround / PA / 2nd Radio PTT button on top of handset		No	Yes	Yes
Handset Toggle Side PTT button between Radio PTT/Talkaround		No	No	Yes
Handset in/out of Cradle - System Auto On/Off indicate		No	Yes	Yes
Handset out of range indicate (requires XSJB)		No	Yes	Yes
Handset speaker active when transmitting		No	Yes	Yes
Handset Hirose headset and earpiece audio port		No	Yes	Yes
Handset 3.5mm earpiece audio output jack		No	Yes	Yes
Handset VLMC long clip shipped as standard		No	Yes	Yes
Handset external battery charging/operation capability		No	Yes	Yes
Handset compatible with XDTC, X6WC and XMVC chargers		Yes	Yes	Yes
In cradle hard line coding (pairing)		Yes	Yes	Yes
Touchless over the air pairing		No	Yes	Yes
Echo & high environmental noise cancellation		No	Yes	Yes
Enhanced audio processing		Yes	Yes	Yes
Auto On/Off radio sense		No	Yes	Yes
Remote / handlebar PTT capability		No	Yes	Yes
Standard emergency - triggers emergency input on host mobile		No	Yes	Yes
Remote Find Me trigger		No	Yes	Yes
Mechanical trim-pot audio level adjustment		Yes	No	No
Programmable functions (PC Windows 10)		No	Yes	Yes
Programmable swap Radio PTT/TA PTT button function		No	Yes	Yes
Programmable speaker unmuted in cradle		No	Yes	Yes
Programmable advanced emergency - over the air alert tones		No	Yes	Yes
Programmable "live mic" emergency remote monitor		No	Yes	Yes
Programmable localized emergency alert tones		No	Yes	Yes
Programmable 3.3 DC power output on Hirose accessory		No	No	Yes
Programmable gateway audio levels		No	Yes	Yes
Programmable Internal and External Mic sensitivity		No	Yes	Yes
Programmable talk permit/ confirmation tones		No	Yes	Yes
Multipolarity gateway antenna kit		No	Yes	Yes
High performance ground independent handset antenna		No	Yes	Yes
1/4 wave gateway antenna		Yes	No	No
1/4 wave handset antenna		Yes	No	No
License free operation		Yes	Yes	Yes

Features may also require programming of X10DR or host mobile to activate or use of a special function box. *700 meters LOS with XRTG rooftop gateway



ELITE+ Model

X10DR Elite Plus is specifically designed to meet the stringent demands of mission critical users. Highly ruggedized, Elite Plus features dynamic **128 Bit AES** encryption to provide the highest levels of voice security. Dynamic AES means the encryption keys constantly change during the operational day, automatically. When coupled with their relative short 500m range, random location and the unique coding of every device, dynamic AES encryption provides exceptionally high tactical protection against the most sophisticated adversaries.



Elite Plus models allow up to three* handsets to communicate simultaneously via a single gateway on their own exclusive, FHSS created, on-site channel. This multi-handset capability means that the cost of a multiple gateways as well as antennas, junction boxes and interface cables is not incurred. X10DR Elite Plus can be ordered with **user selectable, full duplex handsfree talkaround**. Local handsfree will revolutionize on-site communications for every mobile radio equipped vehicle which carries two or more workers. Utility workers in a bucket truck are then free to use both hands while communicating vital information with their groundman below. Paramedics attending critical auto accidents are now free to use both hands to save lives while communicating

with their partners. Fire crews can arrive at the scene and start preparing their appliance, rolling out hoses, starting pumps, securing the area, while seamlessly communicating with their fellow crew, all totally hands free - even in the noisiest of environments. Police officers responding to possible high risk situations will be able to communicate every nuance of the surroundings to their partner, totally handsfree. In fact, all X10DR Elite Plus users with handsfree, will now be free to locally communicate on a AES secure, private, license free, talkaround channel - while monitoring all mobile radio traffic and responding with the press of the handset's PTT button.

When maximum signal penetration is desired, an externally mounted rooftop gateway configuration (XRTG Elite Plus) is available that provides extended coverage for up to 700 meters (2400ft) from the vehicle. Being roof mounted its allows the multi-polarity antenna to be full integrated, negating the need for 5m of coax, thereby reducing signal losses by 3dB; which is equivalent of doubling the power and receiver sensitivity. The XRTG is IP67 waterproof rated and usually connects to the host mobile by a flat XIC 6m cable via a radio specific XCA radio adaptor.

The XIVG is a compact version of the standard Pro/Elite Plus gateways but comes without charging cups. They are used typically with X10DR systems with wireless charging or for console control room applications.

** 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.*



ELITE+ Std Gateway- PRO+ Std Gateway



ELITE+ XRTG Roof Top Gateway



ELITE+ XIVG - PRO+ XIVG
In Vehicle Gateway



PRO+ MODEL

The **X10DR Pro Plus** provide all original X10DR's well proven and established 'out of vehicle' capabilities but now with a specific focus on the mobile worker out alone in a vehicle. To furnish these often remote area users, with enhanced safety and greater network access flexibility, the X10DR Pro Plus models can be connected to a smart interface to allow dual radio/satellite access. Optional Mandown Biometric Monitor allows automatic emergency alarms to be triggered when a worker is unresponsive or allows access to multiple networks when location demands. Pro Plus gateways have an audio output which can be used as an input to a public address system if desired.



While use of Elite Plus is generally suggested, multiple Pro Plus devices can also be connected to a common mobile radio. This allows users to choose to either talk over the radio channel or alternatively, just talk locally "off-net" to the other X10DR users sharing the same mobile radio. All voice communications Plus system alert tones from the mobile radio and other connected X10DR users are audible at all times ensuring users are totally connected. Finally, knowing there are times when officers and first responders may need to wade into deep waters to save lives or property, the Pro Plus handset are now designed for full submersion IP67 waterproof compliance.



LITE MODEL

The **X10DR Lite** model is the entry level member of the X10DR family allowing a mobile radio user to simply talk and communicate when away from their vehicle. X10DR Lite a very simple, safe and low cost way to increase your workforce effectiveness while **ensuring** your duty of care OS&H compliance. For over 6 years X10DR has enhanced the working lives of Police officers, Fire fighters, Paramedics, Utility workers and other professionals globally by allowing users to communicate simply and effectively from their vehicles. Having passed the "real world validation", we are now pleased to bring that same, **powerfully simple™** out of vehicle communications core capability but without any of the systems feature complexities and associated cost that is demanded by first responders.



Press the X10DR Lite PTT button and your voice is transmitted over your vehicle's selected radio channel/talkgroup. Let go to listen to all conversations on your radio channel... up to 300 meters (1000')* from your vehicle ...simple as that. Nothing more..nothing less.

Perhaps of most significance, X10DR Lite enables your entire work crew to fully maintain that invaluable team spirit – work ethos that comes solely from entrusting an organization's wireless communications to an "open channel" two way radio system. X10DR Lite's out of vehicle capability ensure all team members continue to hear all conversations instantly, so all your team know what is going on, no matter whether they are heading down a highway or out of the vehicle doing what they are employed to do. X10DR Lite - the liberating, proven long distance wireless microphone for **every other mobile user**.

Works with:



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