



**X10DR®**  
LIBERATE YOUR MOBILE RADIO

**ELITE Plus XRTG Gateway**

## PRODUCT SHEET

The incredibly compact, lightweight and patented X10DR® secure wireless microphone extends the power of the mobile radio into the palm of your hand, both in and out of the vehicle. To provide even greater range and into building coverage, Wireless Pacific have developed a unique external mount housing for the Elite Plus Gateway. Operating in the 2.4GHz band means antenna coax cable losses can be significant. Even the best available coax suffers a 3dB loss on a 5.5 meter cable run. That's the equivalent of losing half the RF signal!

We are now able to achieve range in excess of 700 metres by simply repackaging the standard Elite Plus Gateway electronic circuitry into an IP67 rated housing and mounting the gateway externally, unobstructed, on a roof, light rack or similar. Of greater importance, that means greater "into building" penetration than with a standard internally mounted gateway device.

The XRTG Plus ruggedised housing mounts on a stainless L shape bracket and is fully weatherproof against the elements. XRTG operation has been confirmed up to 92°C and down to -30°C meaning it can operate externally in most environment extremes including external use on Fire engines.



Temperature rating:  
-30°C to +92°C

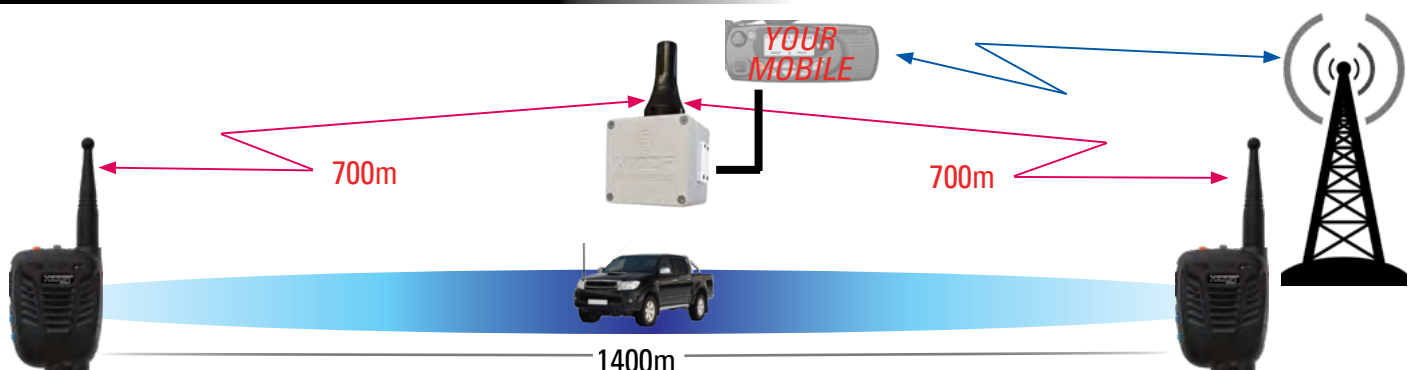
### Control Station / Command Post Use/ Multiple Gateways

Because there is no RF range impact on the length of the connecting shielded interface cable, it means the XRTG Plus can be mounted up to 25\* meters away from the host radio/control station. This makes the XRTG Plus format ideal for warehouse installations, or in those situations where the required building coverage might be better achieved by mounting the gateway in a central building high point overlooking the office work areas below. For Command Post Response vehicles, the XRTG external design makes it also ideal to be mounted on an electric pump up mast, so as to lift the integrated antenna up above any localized obstructions at a disaster scene and thereby ensure greater signal availability for handset users. Additionally, multiple gateways can be installed in different coverage areas with X10DR handsets manually or automatically switching between gateways. Refer Application Notes for further details.

\*XRTG units can be placed longer distances up to 100m subject to verification of cable types used for installation.

**... up to 700 meters.**

**SECURE WIRELESS COMMUNICATION**  
via your vehicle's mobile radio



The gateway connects to your mobile radio in your vehicle up to 700 meters (LOS). It passes all voice traffic to and from the secure wireless microphones.

## Installation Cables

Connection to the XRTG Plus is via the new XIC shielded flat cat 6 cables. To simplify installation, both ends of the gateway connect cable is terminated but should you need to shorten the cable or remove the shielded RJ45 plug to allow passing through a cabin wall etc, a replacement can be found at any computer network supply store.

## Mobile Charger

The X10DR X10DRSM-EX2 handset recharges in a XMVC mobile charger which is mechanically similar to a standard Elite Plus gateway charging cradle. Charging times are identical. The XMVC charger has a red indicator to advise the handset is charging and green when complete. Alternatively, a single or a 6 way desktop charger can be used when desired.

## Wireless Mobile Charger

The X10DRSM-EX2-W handset recharges in a X1WK/X3WK or X5WK wireless charger. Charge time is 3-4 hours for a dead flat battery, the same as in a traditional charger.

## Handset - Gateway Pairing Preparation

The pairing procedure normally only ever occur at time of installation. First master reset the gateway as follows: Manually turn off gateway by a short press of the internal function button (or use temporarily inserted in-line XRPB pairing button), now long press the "button" and continue to hold for about 15 second - the gateway will now be reset. Next master reset the handset/s to be paired as follows: With the handset powered off, press both the PTT and volume up buttons while powering on the handset by pressing the On/Off button. Master resetting drops all previous pairing. The handset LED will flicker to indicate no pairing. The cleared handsets can now be paired as follows:

## Touchless Pairing Process

With handset and gateway prepared and powered on, fast triple press the gateway internal or XRPC remote pairing button. Now hold the handset nearby and press both its blue buttons until the blue LED flashes rapidly and the handset beeps (~5 secs). A few seconds later pairing confirmation tones will sound and the LED on the handset will glow solid.

# ORDERING GUIDE

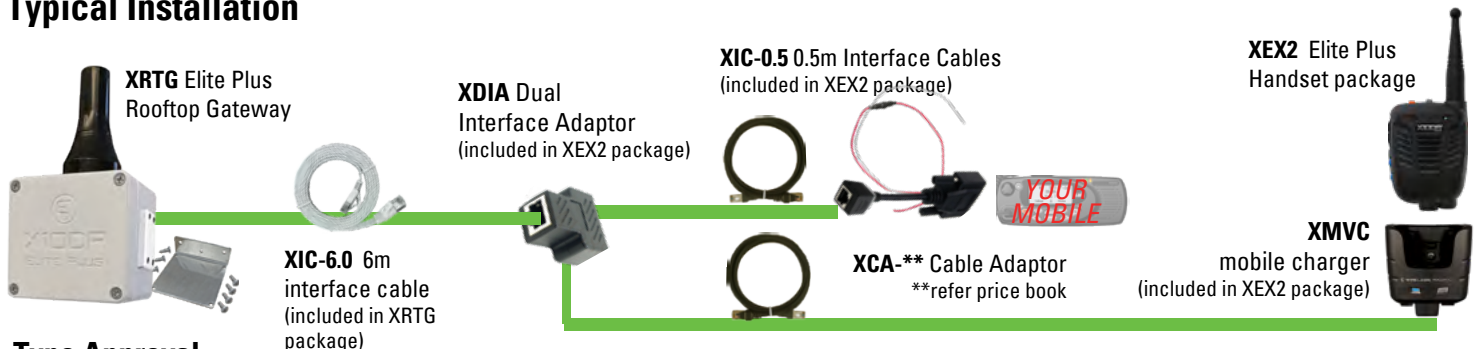
To order a roof top gateway configuration for vehicular use, order:

- 1x XRTG-EX2 External Elite Plus Gateway
- 1x XEX2 Elite Plus Handset Package (order 2/3 for Multi Elite Plus Mic operation)
- 1x XCA-\*\* Cable Adaptor - radio model specific (\*\*refer pricebook)

To order a roof top gateway configuration for office use, order:

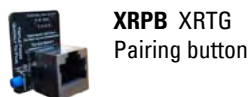
- 1x XRTG-EX2 External Elite Plus Gateway
- 1x X10DRSM-EX2 Elite Plus Spare Mic (order 2/3 for Multi Elite Plus Mic operation)
- 1 x XDTC Desktop Charger- order as required / Alternatively X6WC 6 way Desktop Charger
- 1x XCA-\*\* Cable Adaptor - radio model specific (\*\*refer pricebook)  
(order XEC-4.5 extension or XDIA and the desired XIC cable length if XRTG is mounted remotely)

## Typical Installation



## Type Approval

FCC ID: 2AGEY-XH2 / 2AGEY-XG2  
IC:11443A-XH2 / IC:11443A-XG2



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