

# X10DR®

LIBERATE YOUR MOBILE RADIO

## ELITE XRTG GATEWAY

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 version of the Elite Gateway. Operating in the 2.4GHz band means coax cable losses can be significant...up to 3dB loss is typical on a 5.5 meter cable run. That's the equivalent of halving the RF output! By simply repackaging the existing Elite Gateway electronics into an IP55 rated weatherproof housing and mounting the gateway externally, unobstructed, on a roof, light rack or similar, we are now able to achieve range in excess of 700 meters down a highway. Naturally, that also means greater "into building" penetration than with a standard internally mounted gateway device.



## XRTG "ROOFTOP" GATEWAY

### Control Station Use

Because there is no real range impact on the length of the connecting shielded cat 6 cable compared to a coax cable, it means the XRTG can be mounted literally a hundred feet away from the host radio/control station making it also 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.

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



The gateway connects to your mobile radio in your vehicle (or office control station). It passes all voice traffic to and from the secure wireless microphone.

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

# Installation & Set-Up



## Similar Installation

Connection to the XRTG is via a 5.2m long shielded cat 6 cable. This control cable has an outer diameter of 6.0mm which is similar in diameter to LMR200 coax cable which would be normally ran out of the cabin to a roof rack mounted antenna. To simplify installation, both ends of the gateway connect cable (XRTC-5.2) is terminated but should you need to shorten the cable or remove the shielded RJ45 plug to allow passing thru a cabin wall etc, a replacement can be found at any computer network supply store. Should your application require, a number of vendors (Digikey etc) supply IP65 rated bulkhead RJ45 connectors for providing a watertight entry for the cable into the passenger cabin.

## X10DRMC Mobile Charger

The X10DR Secure Microphone now recharges in a X10DRMC mobile charger which is mechanically similar to a standard Elite gateway charging cradle. Charging times are identical. Alternatively Desktop Chargers can be used when desired.

## Handset Gateway Pairing

The pairing procedure which would normally only ever occur at time of installation, is very similar except that the 3 pairing pins are now located inside the XRTG. Simply remove the gateway top cover, put the handset into pairing mode and touch it on the three internal pairing pins. Lifetime pairing is complete in seconds. Naturally a second or third handset can also be paired for multi mic operation, if required. Alternatively, a XRPC pairing cradle can be used to alleviate the need to open the XRTG housing.

## Ordering Guide

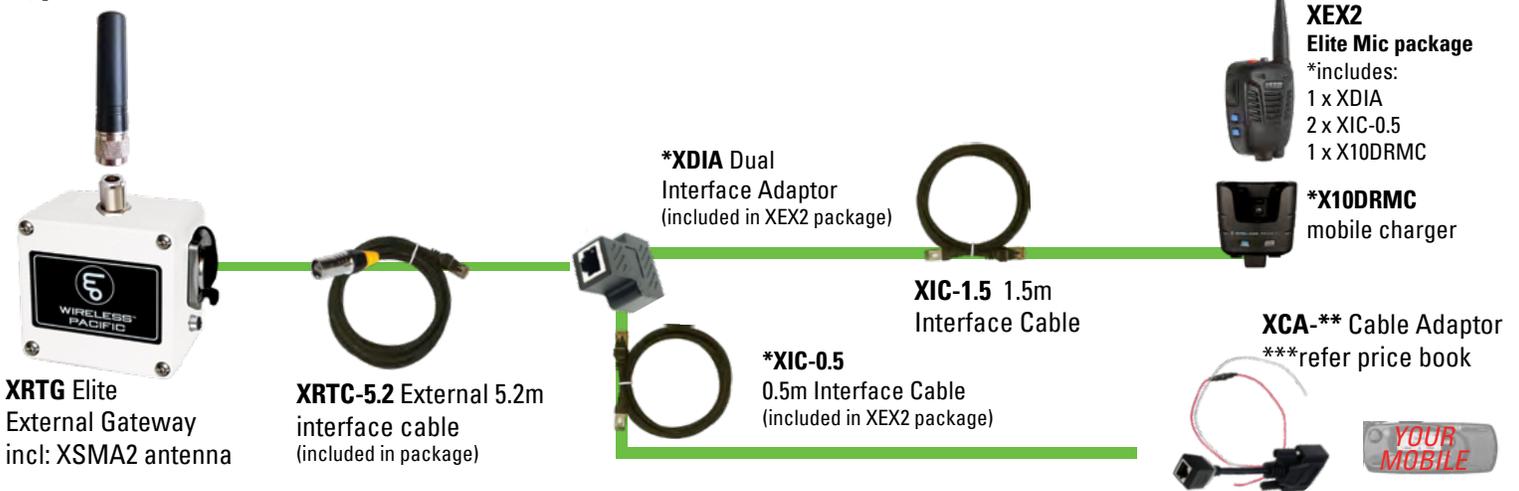
To order a roof top gateway configuration for vehicular use, order:

- 1x XRTG External Elite Gateway includes XRTC-5.2 External Weatherproof Control Cable Kit (5.2m)
- 1x XEX2 Elite Mic Package (order 2/3 for Multi Elite Mic operation)
- 1x XIC-1.5 Interface Cable 1.5m (order XIC-6.2 or XEC-4.5 extension if radio mounted in trunk)
- 1x XCA-\*\* Cable Adaptor - radio model specific (refer pricebook)
- 1x XRPC XRTG Pairing Cradle (optional) allows handsets to be paired with gateway without removing front cover.

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

- 1x XRTG External Elite Gateway includes XRTC-5.2 External Weatherproof Control Cable Kit (5.2m)
- 1x X10DRSM-EX2 Elite Mic (order 2/3 for Multi Elite Mic operation)
- 1 x XDTC Desktop Charger- order as required / Alternatively X6WC 6 way Desktop Charger
- 1x XIC-1.5 Interface Cable 1.5m (order XIC-6.2 or XEC-4.5 extension if radio mounted remotely)
- 1x XCA-\*\* Cable Adaptor - radio model specific (refer pricebook)
- 1x XRPC XRTG Pairing Cradle (optional) allows handsets to be paired with gateway without removing front cover.

## Typical Installation



## Type Approval

FCC ID: 2AGEY-XH2 / 2AGEY-XG2

IC:11443A-XH2/ IC:11443A-XG2

CE 0682

R-NZ



Temperature rating -30°C to +60°C



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