



### Secure Wireless Microphone

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.

Based on the highly robust IEEE 802.15.1 standard, the 3rd generation X10DR PLUS series continues to revolutionize mobile network design by increasing user functionality and mobility whilst reducing infrastructure investment. This visionary solution provides users out of vehicle communications with the power and performance of the mobile radio.

The X10DR cuts the cord and for the first time puts the microphone and radio system access into the users hand when away from the vehicle, delivering true mobility without system compromise.

The X10DR unleashes the power of your mobile radio allowing wireless communication with a fixed mounted or vehicle mobile radio up to 500 meters and more. Now users can communicate with enhanced clear audio, with the power and range of a mobile radio whilst not being tied to the vehicle, allowing the user to be truly mobile in every operational environment.



**... up to 500 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

# Specifications

# X10DR<sup>®</sup>

The X10DR Series series equipment has been designed to meet the following global specifications:

## X10DR Handset (HS) X10DRSM-PU2/EX2 and Gateway (GW) X10DRMD-PU2/EX2

Frequency:	2.40-2.48GHz Frequency Hopping Spread Spectrum
Protocol:	802.15.1 based derivative
RF Power:	Handset <100mW / Gateway <100mW
RF Sensitivity:	>92dBm
HS Battery Type:	3.7V @1450mA Lithium Polymer
HS Battery Life:	>15 Hours @ 30% receive time
HS Charging voltage:	5VDC
Encryption:	Full AES128 - Dynamic changes periodically during the day
HS Antenna:	Vertical polarity Ground independent 2.2dBi
GW Antenna:	Multi-polarity Ground independent 2.2dBi
RF Connectors:	RP SMA Female
HS Rated Audio/Dist:	>500mW @5% THD
HS Hirose Audio port:	HR10A-7P-6P(73) IP67 rated
GW 3.5mm Audio port:	180mV rms ( X10W option 10W RMS)
GW Operating Voltage:	8-16VDC
Operating Temp:	-20°C to +55°C /-4°F to +122°F (XRTG +90°C/+194°F)
HS Dimensions:	88x28x63mm (HS) 194x28x63mm (HS with antenna)
GW Dimensions:	80x80x60mm (GW) 80x80x75mm (XRTG) 80x80x45mm(XIVG)
Weight:	150 grams (HS) 125 grams (GW) 210 grams XRTG
Shock & Vibration:	Mil Std 810 C/D/E/F
Humidity/Rain/Dust:	IEC529 / IP67 handset
Type Acceptance:	CE, FCC, IC, Aust/NZ, Other as advised.

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



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## XWPB X10DR Wireless PTT

Frequency:	2.40-2.48GHz Frequency Hopping Spread Spectrum
Protocol:	802.15.1 based derivative
RF Power:	<1mW
RF Sensitivity:	>80dBm
HS Battery Type:	CR2032 Lithium disposable coin type
HS Battery Life:	2-3 months if turned off when not in use (1 month with 24hour constant use)

## X10DR Chargers

### XMVC Mobile:

Dimensions:	80x80x60mm
Charging DC input:	13.8 Volts DC 5mA standby / <250mA peak

### XDTC Single Desktop:

Dimensions:	80x60x29mm
Charging DC input:	5 Volts DC 5mA standby / <250mA peak (AC:100-240V/5V)

### X6WC 6 way Desktop:

Dimensions:	305x80x29mm
Charging DC input:	13.8 Volts DC 12mA standby / <1800mA peak (AC:100-240V/12V)



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