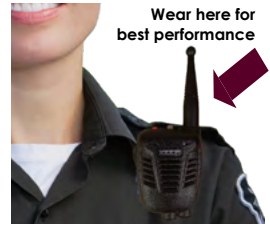


HANDSET FUNCTIONS



- Status LED**
- Default - Transmitting on radio
 - ✕ Flashing - Not connected
 - Talkaround - transmitting locally
 - Handsfree mode active
 - Relay mode with GW connected
 - ✕ Flashing - Not paired (Relay mode active)
 - Remote Relay mode handset
 - Remote PTT active (or programming mode)
 - Alternating - Find Me active

Off/On: Long press (~2 seconds) to turn On/Off.
Search: Short press to connect/reconnect to another paired gateway or a handset (Relay mode).
Status light: Glows solid when operational. Flashes when "out of range" or gateway is powered Off.
Volume up: Short press adjusts speaker louder. Long Press to activate /deactivate Relay Mode. *Elite Plus models*
Volume down: Short press adjusts speaker softer - OFF is minimum programmable setting.
Microphone: Talk at normal strength about 1- 3cm (~1") from mic.
PTT: Radio Press to talk*# - May be configured to toggle between **Radio <> Talkaround PTT**.
Emergency: A confirmation beep sounds when pressed*# and then triggers host radio's emergency function. Press button as per mobile radio's emergency operating instructions or as advised by your supplier.



Control: Default configured as **Talkaround PTT***#. Can alternatively be configured for Main Radio PTT, 2nd Radio PTT, PA Talk or Toggle Side PTT button between radio and talkaround/ 2nd Radio PTT or PA talk etc). Confirmation tones will sound when pressed*.
Handsfree: Quickly double press the **assigned** Talkaround button to enable. LED will change to purple. A reminder beep will sound every 30 secs. Single press to disable. *(Elite Plus models only)*.
DC charging: Handset sounds 3 beeps every 5 minutes when charging is required. Handset beeps to notify correct seating when handset first placed in gateway. The handset's status LED may blink every 10 secs to indicate "charging" status. Solid blue means complete.
Speaker: Delivers received speaker audio - Handset normally mutes when inserted into gateway, mobile or desktop charger or when a headset or earpiece is plugged in.*
Headset connector: Use with X10DR headsets/earpieces and accessories** fitted with Hirose HR10 Plus connectors. External battery charging also connects here.



Download XGALA Alignment tool, User Manual & User Card: @ www.x10dr.com

Plus Gateway Charger



- Active
- Find Me



HANDSET FUNCTIONS (continued)

Mandown Monitor Mode: 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 beep 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.

External battery: Simply plug in a USB cellphone style external battery power bank via the optional **XEBC** battery adaptor cable to the handset & external battery port. The handset LED will 'blink' every 10 seconds to indicate it is being re-charged. You can continue to use the handset as normal. Replace or remove exhausted power banks when re-charged as desired. Does not effect Mandown operation.

GATEWAY FUNCTIONS

Function Button: Long Press used to manually turn the gateway Off/On. Find Me™ - Fast double press. Short press to reset.

Status light: Glows solid when operational. Flashes when handsets are "out of range" or off. Flashes blue/Red when Find me is activated.

Antenna Connector: Connect long-range external XMPA or short range internal XSMA2.

3.5 Audio Out: Provides line level 180mV RMS. Intended for connection to a PA system. The handset Control button is usually configured to make public address broadcasts. *(Requires use of XSJB accessory)*

* See Programming Parameters Guide for configurations. Some tones can be enabled/disabled.
 ** Elite Plus model feature only.
 # When out of range the unit will sound a low frequency tone alert when pressed.





Advanced Elite Plus Range Extender Features

Important : Please read User Manual before operating these feature)

To significantly enhance in-to-building coverage, two Elite Plus handsets are all capable of "relay" mode. This unique X10DR Elite Plus capability means that a handset, when out of range from the vehicle's gateway, can still communicate via a still in-range 'relay' handset. There are two operational relay modes: Command Relay and Automatic Dynamic Relay mode. Command Relay is enabled by default in all Elite Plus handsets but requires user to activate . Automatic mode needs to be enabled by the XFPK programmer but then is active in all handsets unless manually disabled.

Command Relay Mode Operation: (handsets should be paired together - usually done at time of vehicle installation.)

First walk to where you require extended coverage (e.g. inside building lobby). After first confirming a **reliable vehicle gateway connection***1, now activate relay mode by a long press (~2 secs) of the handset's **Volume Up** button. Once you hear three beeps, release button and handset LED will normally, change to blue with a periodic yellow flash*2 indicating connection to gateway (flashing blue = gateway out of range). A previously paired "Remote" handset, will automatically connect with the Command Relay handset once in-range, after their connection to the vehicle's gateway is lost. Alternatively, you can quicken connect to the Command Relay Mode handset by a short press of the red colored "search" button. Note the 'now Remote" handset's LED will change to solid yellow*2 to indicate its new connection status. When desired you can re-press the red "search" button to quicken reconnection once back "in-range" of the vehicle's gateway. To **deactivate** Relay mode: Long press handset's Volume Up button - you hear one beep. Handset status LEDs will now change back to default color*2.

*1 Note: If vehicle connection is lost, handsets can still communicate with each other until back into range of the vehicle.

Automatic Relay Mode Operation: (handsets should be paired together - usually done at time of vehicle installation.)

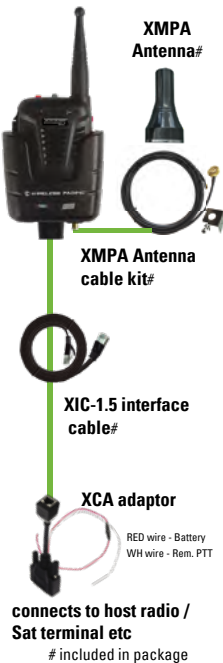
This mode, when activated by programming, is always on and should the handset lose connection with vehicle's gateway device, the handset will automatically search for a "pre-paired" second handset. The status LED of an Auto Relay enabled handset normally glows blue with a periodic yellow flash*2 when connected to their gateway. When connect via a 'relay" handset the status LED will glow solid yellow*2. All operation is automatic and users simply operate their handsets as usual.

If desired, deactivate Automatic mode by long pressing the Volume up button until you hear one beep. Re-activation occurs by long pressing the Volume up button again. Should both handsets lose connection with the vehicle gateway, then they will automatically re-configure themselves into a private off-network AES secure, exclusive, talkgroup so those users can communicate freely amongst themselves until back in range of the host vehicle. When back within vehicle range, users can short press the red "search" button is the event their status LED doesn't revert to blue with a periodic yellow flash*2

*2 LED glows blue when transmitting on host mobile, green when only talking locally, or purple if handsfree is activated.

BASIC INSTALLATION

X10DR-EX2/PU2#



XMPA Antenna#

XMPA Antenna cable kit#

XIC-1.5 interface cable#

XCA adaptor

RED wire - Battery
WH wire - Rem. PTT

connects to host radio / Sat terminal etc
included in package

IMPORTANT

Please refer to x10dr.com Support page for installation instructions, Programming, XCA Charts and User Manual before installation commences. Also refer to your mobile radio's service and programming manuals as **some radio types need minor programming or internal reconfiguration** to ensure correct X10DR operation or connectivity.

PROGRAM AUDIO LEVELS

For optimum performance each gateway should be programmed to suit your particular mobile radio. Use the XGALA Gateway Audio Level Adjustment software tool to set the **gateway output level** to the host mobile radio, so that it matches the loudness of the mobile radio's standard wired microphone. Adjust **gateway input level** for optimum loudness from the handset's speaker. When additional gateways are connected via a junction box, then adjust the levels between gateways for optimum balanced levels. *Download at www.x10dr.com.

ANTENNA PLACEMENT

Multi-polarity antennas provide optimum coverage at 2.4GHz especially in non-line of sight situations. Mount on a vehicle roof or a roof rack using the supplied L Bracket - **clear of obstructions** in the direction you wish to predominately communicate when vehicle is parked. The coax cable supplied is the lowest loss RG58 type available. **Never use other antenna/coax types** as they may significantly limit usable coverage.

XCA RADIO SPECIFIC ADAPTOR

The XCA adaptors connect to the rear interface connector on your mobile radio. Connect RED wire to vehicle's **permanent 12V battery** supply.

NOTE: White wire is intended for Remote PTT operation e.g. Motorcycle handlebar PTT - GROUNDING WILL MAKE THE X10DR TRANSMIT.

XRTG-EX2



X10DRSM-EX2

XMVC Mobile Charger

XIC-6.0 Interface cable kit (included with XRTG-EX2)

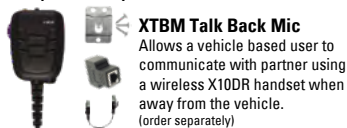
XDCC-RJ

XCA adaptor

RED wire - Battery
WH wire - Rem. PTT

connects to host radio / Sat terminal etc

Complementary installation accessories



XTBM Talk Back Mic
Allows a vehicle based user to communicate with partner using a wireless X10DR handset when away from the vehicle.
(order separately)



XSJB Dual Radio Interface
3 Gateway/ 2 Radio - Includes XIC-0.4 40cm Interface Cable (order separately)



XPB-C14B
In-line power bank for vehicles with isolated vehicle batteries. (order separately)

