

PNUT REMOTE CONTROL SYSTEM

The Pnut remote control system contains the following items:

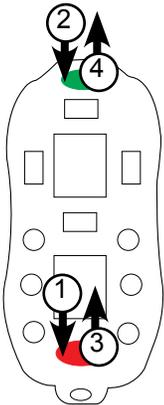
- H212 handheld
- C220 controller
- Antenna
- Charging cradle
- Wiring harness

POWERING ON THE HANDHELD

The H212 requires a special sequence to turn on. This sequence is used to verify that all the buttons are working correctly prior to start up. It also minimizes any accidental powering up of the handheld.

To power up the H212:

1. Press and hold the **red** button.
2. Press and hold the **green** button.
3. Release the **red** button.
4. Release the **green** button.



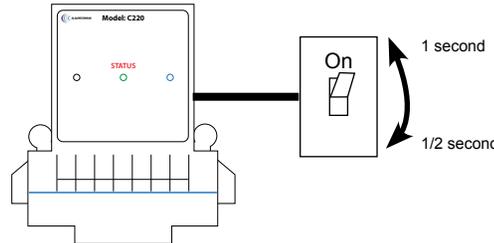
Regular flashing **green** LED: System turned on but no link.

Solid, or short flashes of **green** LED: System turned on and linked.

MATCHING

First Method

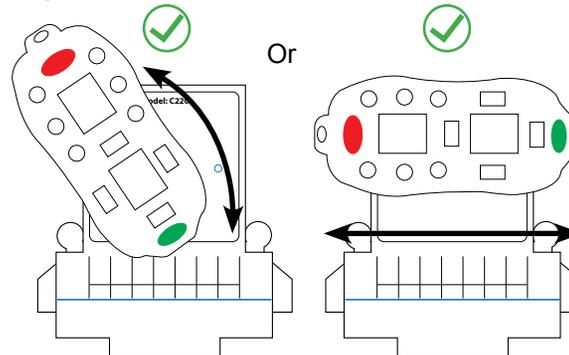
1. Turn off the H212.
2. Apply power to the C220.
3. Momentarily (“blip”) the power off to the C220 six to seven times (i.e. power off for 1/2 second, power on for one second; six times). Leave the power on after the sixth blip.



4. The LED on the C220 will light up **dark blue**.
5. Continue with steps five to eight below in second method.

Second Method

1. Turn off the H212.
2. Apply power to the C220.
3. Using a smooth motion, wave the H212 back and forth over the top left corner of the C220 so that the two magnets under the **red** and **green** button pass over the surface of the Aarcomm logo.



4. If the C220 successfully detects the magnets on the H212, the C220 LED will light up **dark blue**.
5. Press and hold the three round buttons on the bottom left side of the H212.
6. Press and release the **red** button on the H212
7. The C220 LED will turn white and a message will appear on the H212 indicating a successful match. If not, make sure the H212 and the C220 have compatible part numbers.
8. Power on the H212 normally to verify that the system is matched.

POWERING OFF THE HANDHELD

Pressing the **red** E-stop button will shut down the H212 handheld. The LCDs on the H212 will be put into in sleep mode and will not draw any power from the battery.

CHARGING THE BATTERY

The H212 is waterproof and completely sealed to IP67 rating. For improved reliability, it does not have a removable battery and is charged using the wireless charging cradle. The magnets on the back of the H212 are only used for alignment and not for electrical contact.

The **red** LED will begin to flash when the H212 should be charged. Place the H212 on the charging cradle to begin charging. The LCD screen will show the charge status; please allow a minute or two for the charge level to be calculated accurately.

A battery that is completely discharged will take approximately three hours to charge. The battery can be charged at anytime even if it is not depleted. A quick 30 minute charge will allow the handheld to operate for eight hours. A full battery will last approximately 50 to 120 hours, depending on the performance setting.

C220 MOUNTING

The C220 is waterproof and IP67 rated but the recommended mounting location should be protected from weather and vibration.

C220 WIRE HARNESS INSTALLATION

The C220 comes with a wire harness that is specific to your machine. Fully insert the connector into the bottom of the C220 and tighten the hex screw. Do not over tighten.

ANTENNA INSTALLATION

The mounting location should be chosen such that the C220 antenna has the best possible line of sight with the H212 handheld in order to maximize the operating range.

The standard antenna mount provided is an NMO type. It requires a 3/4" hole. When installing with a hole saw, remove any burrs, particularly on the under side of the hole. Remove paint in a narrow ring around the hole. Metal-to-metal contact between the vehicle and the mount is essential for best performance. An optional L-bracket can also be supplied if it is not possible to cut a 3/4" hole on the mounting surface.

Make sure the gold contact on the mount is clean before attaching the antenna.

For proper antenna contact, the supplied rubber gasket is required for metal thicknesses ranging from 0.030" to 0.050". The gasket is not required for thicknesses from 0.050" to 0.100".

PNUT Remote Control System: Quick Start Guide

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