



## Totally, 100% interchangeable wireless remotes: the smart solution for managing a diverse fleet.

Aarcomm's Belly Pack Lite Quick Start Guide provides support for the following items, included in your Belly Pack Lite remote control system:

1. Belly Pack Lite
2. C220/C200 receiver
3. Antenna
4. Universal Charging cradle



### POWERING ON THE BELLY PACK LITE

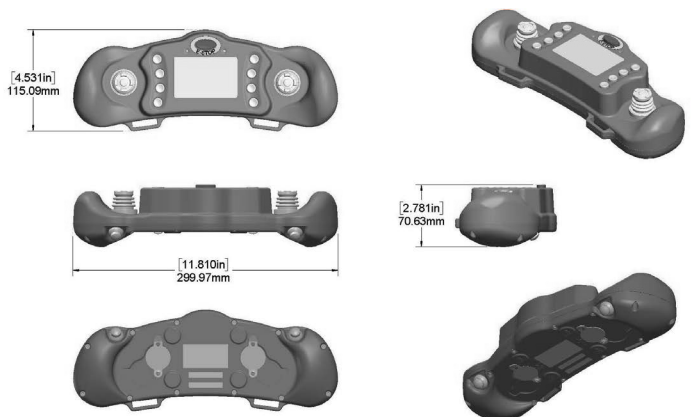
The Belly Pack Lite unit requires a special sequence to power on. This sequence verifies that the start and stop buttons are working correctly prior to operation. It also minimizes any accidental powering-on of the unit.

To power on the Belly Pack Lite:

- Press and hold the **RED E-Stop/OFF** button.
- Press and hold the top left **GREY** button.
- Release the **RED E-Stop/OFF** button.
- Release the **GREY** button.
- The Belly Pack Lite will now display a startup screen.

Regular flashing **GREEN light**: Unit turned on but no radio link to receiver.

Solid, or quickly flashing **GREEN light**: Unit is turned on and linked to a matched receiver.



## POWERING OFF THE BELLY PACK LITE

Depress **RED E-Stop BUTTON** will shut down the Belly Pack Lite unit. The display in the Belly Pack Lite will be put into sleep mode and will not draw power from the battery, even though there are images being displayed.

## MATCHING INSTRUCTIONS

To put the Belly Pack Lite unit into matching mode:

- Press and hold the **RED E-Stop/OFF** button. The **RED LIGHT** should begin to flash.
- Press and hold the three lower-left GREY buttons. The **GREEN LIGHT** will turn on and the **RED LIGHT** will begin to flash more quickly.
- Release all buttons. The screen will display "Match Mode" followed by firmware information.
- Next, put the Receiver into Matching Mode (see below). After attempting to match with a receiver, the screen will show either "Match Failed" or "Match Passed".

### FIRST METHOD

1. Apply power to the Receiver.
2. Momentarily "blip" the power off to the Receiver 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.
3. The Receiver light will turn **DEEP BLUE**. Once matching is complete, the light will change to an intense **BLUISH-WHITE** colour.

### SECOND METHOD

1. Apply power to the Receiver.
2. There are four magnets on the bottom of the Belly Pack Lite unit, arranged in two pairs. One pair of magnets has a CAN symbol between them, while the other pair has a USB symbol between them.
3. To trigger matching mode in the Receiver, the magnets of only one of the pairs must be waved over the Aarcomm symbol on the face of the Receiver. (Using one magnet from each pair may not work.)
4. If the Receiver successfully detects the magnets of the Belly Pack Lite, the Receiver light will turn **DEEP BLUE**.

5. Once matching is complete, the light will change to an intense **BLUISH-WHITE** colour.

## CHARGING THE BELLY PACK LITE

The Belly Pack Light is waterproof and completely sealed to IP66 rating. For improved reliability, it does not have a removable battery and is charged using the U150 Universal Charging Cradle. The four magnets on the back of the Belly Pack Lite are only used for alignment and not for electrical contact.

During operation, the **RED LIGHT** will begin to flash when the Belly Pack Lite should be charged. Place the Belly Pack Lite on the Universal Charging Cradle to begin charging. The display 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 any time even if it is not depleted. A full battery will last 25 or more hours, depending on the performance setting.

## C220/C200 MOUNTING

The C220/C200 is waterproof and IP67 rated but the recommended mounting location should be protected from weather and vibration.

## C220/C200 WIRE HARNESS INSTALLATION

The C220/C200 comes with a wire harness that is specific to your machine. Fully insert the connector into the bottom of the C220/C200 and tighten the hex screw. Do not over tighten.

## ANTENNA INSTALLATION

The mounting location should be chosen such that the receiver antenna has the best possible line of sight with the Belly Pack Lite 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".

**TECHNICAL SUPPORT:**

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