



Wireless Kill Switch Quick Start Guide

Aarcomm's Wireless Kill Switch Quick Start Guide provides support for the following items, included in your Wireless Kill Switch remote control system:

- Wireless Kill Switch remote
- C220/C200 receiver
- Antenna
- Universal Charging Cradle
- Wiring Harness



POWERING ON THE WIRELESS KILL SWITCH

The Wireless Kill Switch 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 Wireless Kill Switch:

- Press and hold the **RED E-Stop/OFF BUTTON**.
- Press and hold the **GREEN BUTTON**.
- Release the **RED E-Stop/OFF BUTTON**.
- Release the **GREEN BUTTON**.
- The Wireless Kill Switch 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 WIRELESS KILL SWITCH

Pressing the **RED E-Stop/OFF BUTTON** will shut down the Wireless Kill Switch unit. The display in the Wireless Kill Switch will be put into sleep mode and will not draw power from the battery, even though there are images being displayed.

MATCHING INSTRUCTIONS

To successfully pair a Wireless Kill Switch with a receiver, both devices need to enter matching mode within a 60-second timeframe. The receiver offers two different methods to activate

matching mode, while the Wireless Kill Switch has one method available.

WIRELESS KILL SWITCH MATCHING MODE

- Press and hold the bottom **RED BUTTON**. The **RED** light should begin to flash.
- Press and hold the two left **GREY** round 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. After attempting to match with a receiver, the screen will either change to “Match Failed” or “Match Passed”.

RECEIVER MATCHING MODE

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. Using a smooth motion, wave the Wireless Kill Switch back and forth over the top left corner of the receiver so that the two magnets under the **RED BUTTON** and **GREEN BUTTON** pass over the surface of the Aarcomm logo.
3. If the receiver successfully detects the magnets on the Wireless Kill Switch, the receiver LED will light up **DARK BLUE**.
4. Once matching is complete, the light will change to a **LIGHT BLUE/WHITE**. the Receiver light will turn **DEEP BLUE**.

CHARGING THE WIRELESS KILL SWITCH

The Wireless Kill Switch is waterproof and completely sealed to IP67 rating. For improved reliability, it does not have a removable battery and is charged using the Charging Cradle. The magnets on the back of the Wireless Kill Switch are only used for align-

ment and not for electrical contact.

During operation, the **RED LIGHT** will begin to flash when the Wireless Kill Switch should be charged. Place the Wireless Kill Switch on the 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 quick 30-minute charge will allow the Wireless Kill Switch to operate for eight hours. A full battery will last 40 or more hours, depending on the performance setting.

SENSING MODE

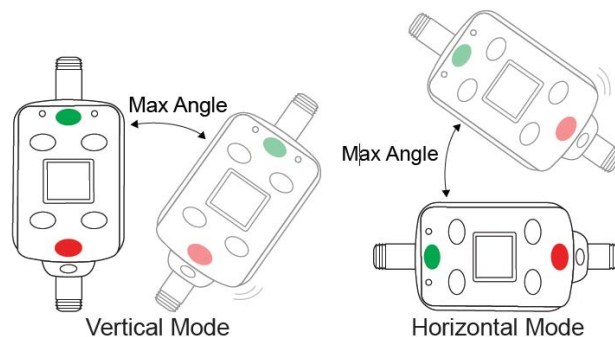
Upon start-up, the screen will show the configured sensing mode (“VERTICAL”, “SLOPE” or “HORIZONTAL”), the message “Get Ready”, and the configured maximum angle and maximum acceleration.

The message “Get Ready” will display for 5 seconds, during which time the wand is not detecting motion. After 5 seconds, the message will change to “Sensing” – the Wireless Kill Switch is now monitoring the angle and acceleration for variations exceeding the configured limits.

CHANGING SENSING MODE

In Vertical mode, the maximum angle is calculated from vertical/upright. In horizontal mode, the maximum angle is calculated as the angle from horizontal. In slope mode, the angle is set based on specified parameters. To switch between Vertical, Slope and Horizontal sensing modes, press the top two **GREY** buttons at the same time. When the mode has been changed, the Wireless Kill Switch will display “Get Ready” for 5 seconds before resuming the motion sensing.

N.B. Slope mode’s reference angle is half way between the vertical mode reference and the horizontal mode reference.



C200 & C220 RECEIVER MOUNTING

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

C200 & C220 WIRE HARNESS INSTALLATION

The C220 & C200 comes with a wire harness specific to your machine. Fully insert the connector into the bottom of the C220 or C200. For the C220 receiver, tighten the hex screw. Do not over tighten.

The C200 and C220 receivers are designed to withstand water and have an impressive IP67 rating. For optimal performance, it is recommended to select a mounting location that offers protection from both weather conditions and excessive vibration..

ANTENNA INSTALLATION

The mounting location should be chosen such that the C200/C220 antenna has the best possible line of sight with the Wireless Kill Switch 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".

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