

BAD BOY Unleashed

Installation Guide

Step 1 - Before beginning, check that the following items are present:

Qty	Item
1	BAD BOY Unleashed Wi-Fi device including 2dBi black rubber duck antenna and a white tie wrap
1	White wall (flat surface) holster mount including 2 screws
1	Bitstorm Contact Info Card

Step 2 - Device Test and Verification – Doing this prior to installation can save time and effort.

- Check off items when completed.
- Ensure that you have a working BAD BOY Xtreme or Express. Refer to the appropriate product documents for installation and setup.
- Remove the black protective cap from the BAD BOY device RP-SMA antenna connector and attach rubber duck antenna by screwing together. Finger tight snug is adequate. **Do not over tighten.**
- Slide off the white cover from the other end of the BAD BOY Unleashed and plug the ethernet cable from either the BAD BOY Xtreme or Express into the device's exposed Cat5 connector.
- Verify that the green Power and LAN LEDs on the BAD BOY Unleashed illuminate. If they do not, ensure that the Xtreme or Express is powered up and that the cable being used to connect to the Unleashed has 12V PoE (Power over Ethernet) included. (Remove any other networking devices such as routers or network switches as they generally do not pass PoE through.)
- Ensure the computer's Wi-Fi device is turned on and try connecting. Refer to the BAD BOY Unleashed Quick Start Guide.
- Surf the web to verify your BAD BOY Unleashed is operating correctly. Proceed with installation only after correct operation has been determined.

Step 3 - Installation and Cable Routing

- Determine the best location for the unit. This can be any place convenient or suitable. It is recommended to install centrally located to the area where coverage is to be provided. On a boat, near the nav station is often a good choice. While the Unleashed is suitable for exterior mounting, it is recommended that it be mounted in a protected and secure area, such as below deck on a boat.
 - Mount the BAD BOY Unleashed such that the antenna will be vertical. The antenna has a tilt and swivel feature, so if installing in a protected area, Unleashed can be mounted in any position that allows the antenna to be vertical (can be pointing down or up). If mounted in an area exposed to the weather, Unleashed must be mounted vertically, with the cable coming out the bottom. If convenient, a tie wrap (included) can be used to secure the device into place. Alternatively, a velcro strap (not included) can be used for more temporary installations.
- Note: Do not use excessive force when pulling ethernet cable through conduits, etc. Avoid pulling the cable's connector through conduit. Do not pull a cable's power connection point through conduit to prevent strain to the splice. Although permitted, there is no need to remove excess cable. It is recommended to simply coil and secure any extra cable. Do not make sharp bends in the cable. When changing direction, bends should never be sharper than the round edge of a standard screw driver handle. Avoid the use of a staple gun – if the insulation is pierced, the cable can be rendered useless.**
- Once everything checks out, slide on the BAD BOY Unleashed cover and complete any remaining tasks such as tie wrapping cable (if required), silicone sealing transits (if required), etc.

