

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 – Unleashed (shown) 6dBi white antenna – Unleashed HP
1	White flat surface holster mount including 2 screws
1	Double sided adhesive pad
1	Bitstorm Contact Info Card

Step 2 - Device Test and Verification – Doing this can save time and effort later.

- 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.
- Skip this step if you are using PoE Injector(s) or your ethernet cable has a shrink wrapped power connection (does NOT have a black splice box). **With the power turned off**, remove the cover and connect the Blue & Blue/White and Brown & Brown/White pairs to the available terminal block positions matching wire colour to existing block connections.
- Remove the black protective cap from Unleashed's RP-SMA antenna connector and attach the antenna by screwing together. **Do not over tighten** - snug is adequate.
- Slide off the white cover from the bottom end of Unleashed and plug the ethernet cable from either Xtreme or Express into the device's exposed Cat5 connector.
- Apply power and verify that the green Power and LAN LEDs on Unleashed illuminate. If they do not, check that Xtreme or Express is powered up and that the cable being used to connect to the Unleashed has eight (8) conductors (if not Bitstorm supplied). Passive PoE puts the power onto the unused wires of an ethernet cable. Remove any other networking devices such as routers or network switches as they generally do not pass PoE through.
- Ensure your 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 Unleashed. 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. Unleashed is intended to be mounted in a protected and secure area, such as below deck on a boat. The double sided adhesive square can be used to temporarily mount Unleashed to test a location.
 - Mount the Unleashed such that the antenna will be vertical. The 2dBi antenna has a tilt and swivel feature. Unleashed can be mounted in any position that allows the antenna to be vertical (can be pointing down or up).
- 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 lower cover and complete any remaining tasks such as tie wrapping cable (if required), silicone sealing transits (if required), etc.

