

BAD BOY Xtreme/Express + Unleashed

Installation Guide

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

Item

BAD BOY Xtreme or Express Wi-Fi receiver including:
 6dBi antenna
 Xtreme: Rail/flat, standard adapter, pole mount or backstay
 Rubber grommet seal (inside Xtreme end cover)
 Express: holster and 2 mounting screws
 Dielectric grease packet (inside end cover)

BAD BOY Unleashed Wi-Fi transmitter including:
 2dBi black rubber duck antenna or 6dBi white antenna (HP model)
 White flat surface holster mount including double sided tape (non permanent mounting) and 2 mounting screws (permanent mounting)



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

- Check off items when completed.
- Attach antenna to BAD BOY Xtreme/Express Wi-Fi receiver. Finger tight is adequate. **Do not over tighten.**
- Remove the end cover. Screw off on the Xtreme or slide off on the Express. Attach the cable into the exposed connector. There should be a click as it snaps in.
- Attach black rubber duck or white antenna to BAD BOY Unleashed Wi-Fi transmitter. Finger tight is adequate. **Do not over tighten.**
- Slide off the bottom cover from the Unleashed and insert the other end of the cable into the exposed connector. There should be a click as it snaps in. Do not connect other devices such as routers or networking switches.
- For the 12V cable option, connect to a 12V power source, red wire to positive, black wire to negative. For testing, a temporary connection using a 12V power plug may be convenient.
- Apply power and verify that the green Power and LAN LEDs on Xtreme/Express and on Unleashed illuminate. If they do not, check that Xtreme/Express and Unleashed are both powered up and that the connectors are firmly seated into the bottoms. Refer to photo.
- Ensure the computer's Wi-Fi device is turned on and try connecting. Refer to the BAD BOY Xtreme/Express and Unleashed Quick Start Guides respectively.
- Surf the web to verify your BAD BOY system is operating correctly. Proceed with final installation only after correct operation has been determined.



Step 3 - Installation and Cable Routing

Note: If needed, refer to the Junction Box Installation Guide for information on how to cut and reconnect the cable (i.e. for transiting the deck at a mast).

- Determine the best locations:
Xtreme/Express: This can be any place convenient or suitable. Higher with minimal surrounding obstructions is better.



Unleashed: Install centrally located to the area where coverage is to be provided. On a boat, inside in the salon or near the nav station is often the best. If installing down below (recommended), mount the Unleashed such that the antenna will be vertical (can be pointing down or up). If exposed to the elements, ensure that the Unleashed device is installed vertical.

Note: Do not use excessive force when pulling ethernet cable through conduits, etc. Avoid pulling the cable's connector through a conduit. 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, install the lower cover and complete any remaining tasks such as tie wrapping cable (if required), silicone sealing transits (if required), etc.

For more information on BAD BOY operation and features, visit Support at www.bitstorm.com.