

SpecFive Beacon XL+

User Guide



Thank you for ordering your SpecFive Beacon XL+ from SpecFive. Here are the instructions to get you connected to your new device and join the mesh.

WARNING: WARNING: DO NOT POWER ON YOUR SPECFIVE BEACON UNTIL YOU HAVE CONNECTED THE ANTENNA. POWERING THE SPECFIVE BEACON WITHOUT THE ANTENNA CONNECTED CAN CAUSE DAMAGE TO THE BOARD.

Assembling Antenna:

1. Look for antenna connector on the device
2. Screw the antenna on counterclockwise
3. Once antenna is connected to the device, its direction can be changed by further rotating it counterclockwise

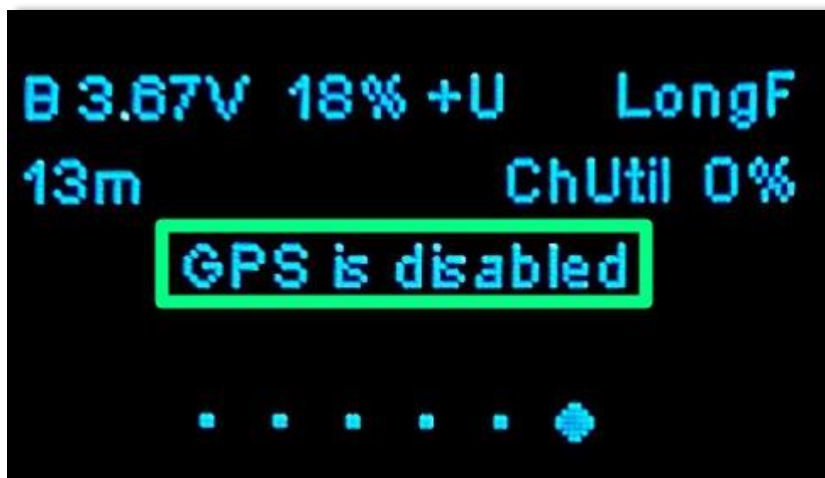
Button/Switch Configuration:

Power Switch:

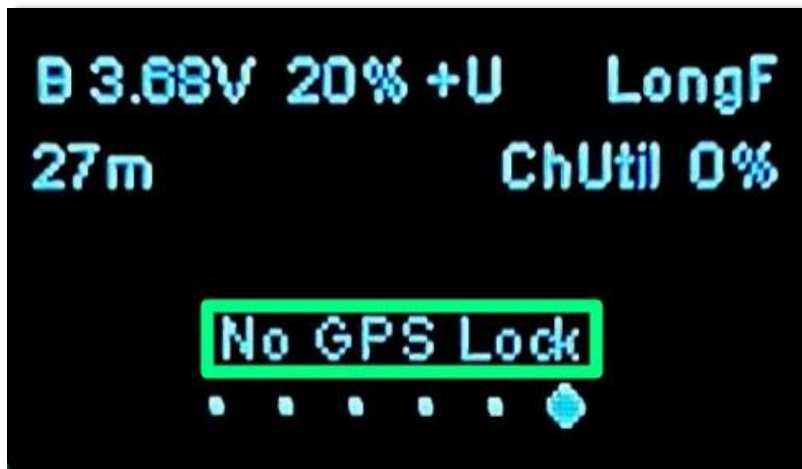
- Power on:
 - Toggle oriented towards antenna
- Power off:
 - Toggle oriented away from antenna

User

- Single short press with device on:
 - Cycle screens
- Double short press with device on:
 - Sends an ad-hoc ping of the device's position to the network
- Triple short press with device on:
 - Enables/Disables GPS
 - > If GPS is disabled, last screen will display “GPS is disabled”:



- > “No GPS Lock” will be displayed on the final screen if GPS module is on but has not connected to a satellite as seen below:



- Single short press with device on but screen auto shutdown:
 - Turns screen on
- Power off:
 - Toggle oriented away from antenna
- Long press (5 seconds) with device powered on:
 - Shuts down device
 - > Note: The screen should display “Shutting Down...” once the user button has been held down for 5 seconds to indicate the device is shutting down

Charging the Device:

- **THE POWER SWITCH MUST BE IN THE ON POSITION IN ORDER FOR THE BATTERY TO CHARGE**
- Charging icon should appear in the upper left corner of the second to last screen, shown below, to indicate that the device is powered via usb:

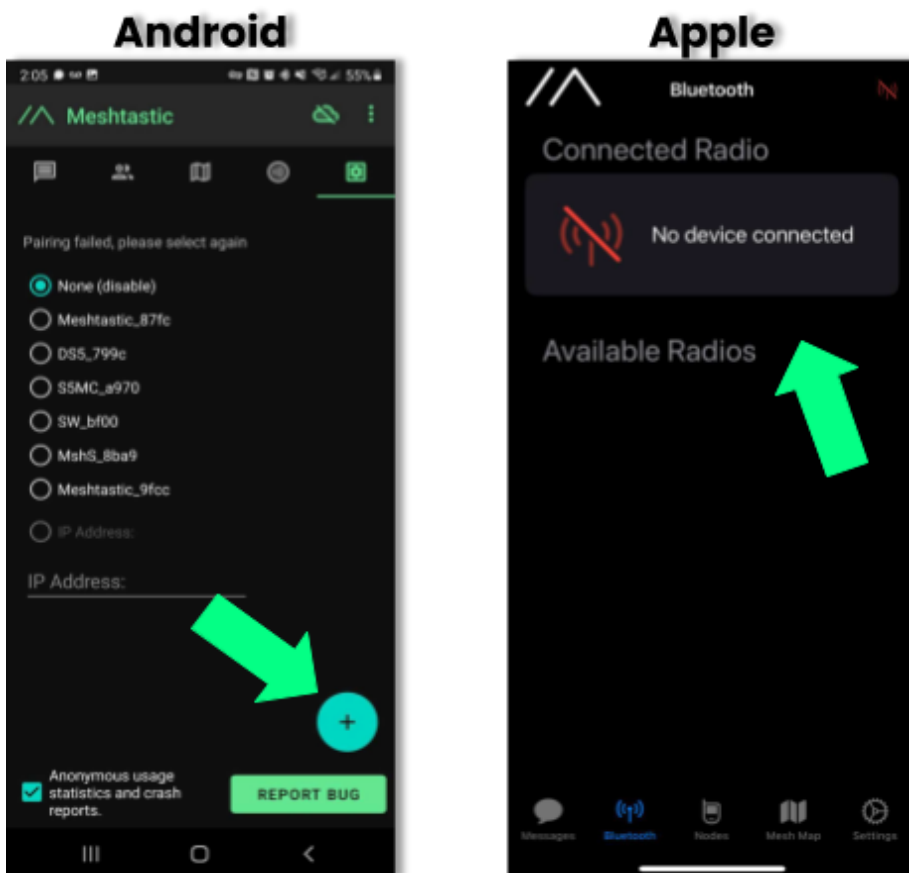


Connecting to the Device via the Meshtastic Mobile App:

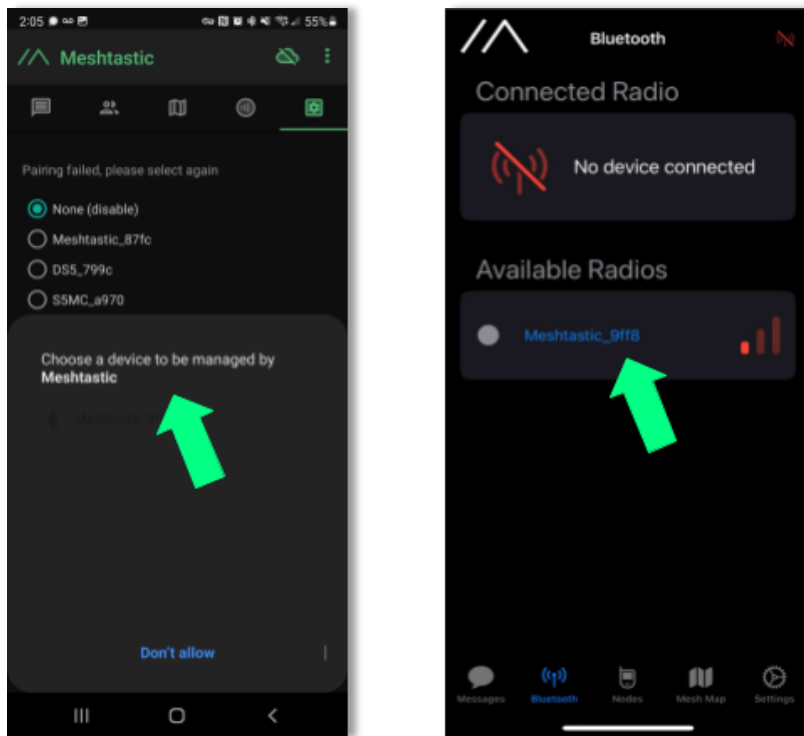
1. Download the Meshtastic App from the Apple App Store or Google Play Store



2. Ensure your phone has bluetooth enabled
3. Power on the device
4. Connect your new device



Your SpecFive Relay is now ready to mount to your pole.



5. Enter the device's pin that is displayed on its screen

You're Good to Go!

Auto Screen Shutdown:

- Device automatically shuts down screen after 10 min. of inactivity
- Device can still send and receive messages
 - Once message is received, the screen will turn back on
- Device is still able to connect a new bluetooth device after 10 min of inactivity

Solar Panel:

- Note: The board's hardware is not configured to support powering the board on solar power alone. The power switch must be on for the solar panel to extend the life of the battery

Other Resources:

- For more information on radio configuration settings, visit <https://meshtastic.org/docs/configuration/>
- For more information about our products, visit specfive.com