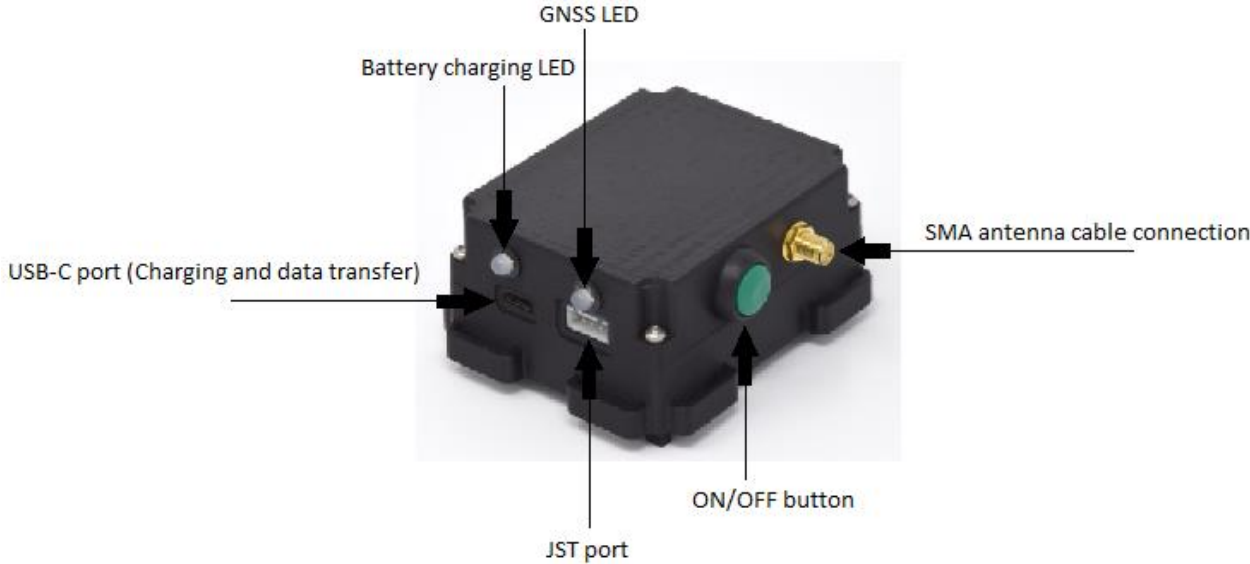


LOKI USERS GUIDE (HOT SHOE)

LOKI HARDWARE COMPONENTS

Loki Controller



Hot shoe cable



Antenna, spacer, ground plane, screws, SMA antenna cable, and retention band



Antenna Mount Assembly



USB Cable



LOKI SOFTWARE COMPONENTS

AirGon Sensor Package Software Suite (ASP) Suite

Download AirGon ASP Suite from <http://airgon.com/airgon/airgonmmksuite/ASPSuite/publish.htm>

Instructions for licensing ASP Suite will arrive in an email delivery.

LOKI INSTALLATION

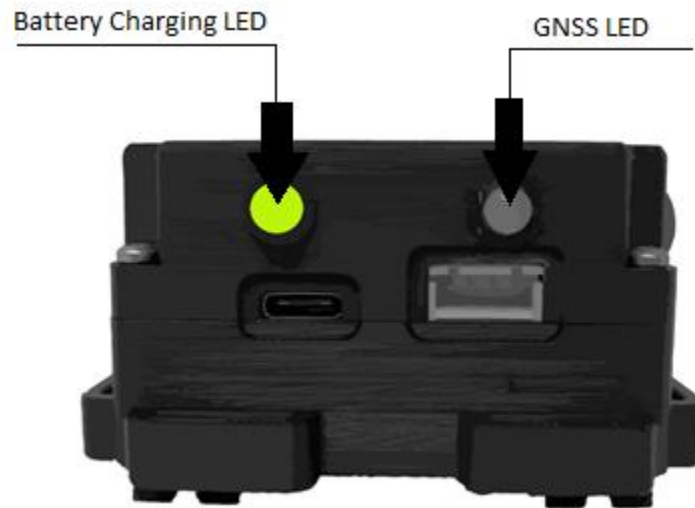
Mount the Loki controller to the drone using the velcro straps. Orientation is not important, however the antenna needs to be mounted such that the SMA cable can reach from the antenna to the Loki controller. Also, the hot shoe cable will need to connect from the Loki controller to the camera.

Assemble the antenna mounting assembly prior to attaching to drone. Use a T7 size torx bit to install the 3 provided screws to secure the ground plane to the antenna mount. The screws are "Thread-Forming Screws for Plastic", you are creating the threads when using the screws for the first time. When reusing the created threads, be careful to use the same threads. Use a small retention band between the spacer and the ground plane that is on top of the antenna mount. This is needed to ensure that there is not a gap between the antenna and the spacer. The snugness between the antenna and the spacer is to ensure that the antenna does not detach during the flight (due to motor vibration which could cause the antenna to unscrew during the flight). Route the female end of the SMA antenna cable up through the antenna mount. Use a 5/16" nut driver to install the star-washer and nut that is attached to the SMA cable. Screw the GNSS antenna on the female end of the SMA antenna cable until snug against the spacer (**Do not overtighten**).

Once the Loki controller and antenna assembly is securely mounted to the drone, connect the male end of the SMA cable to the Loki controller. Connect the hot shoe end of the hot shoe cable into the hot shoe on the camera and the other end into the JST port on the Loki controller.

LOKI OPERATING INSTRUCTIONS

When a USB cable is plugged into the Loki controller, prior to the Loki controller being turned on, the battery charges but you will not be able to retrieve data. The battery automatically charges any time the Loki controller is connected to a computer or USB charger. The LED will be green-yellow while charging.



When the battery is fully charged, the LED will turn green. **Best practice is to charge the Loki completely before the beginning of planned flights.**



The charging LED will turn red when the battery level is 5 % or lower. This will occur whether Loki is on or off. Once the red-light indicator is observed, it is recommended that the battery be charged to preserve longevity of the battery.



Prior to flying the mission press and hold the green ON/OFF button located on the Loki controller for approximately 2 seconds until you see the battery LED flash blue-green and then go off.



The GNSS LED will reilluminate green-yellow and remain that color until sufficient satellites are found.



Once sufficient satellites have been acquired, the GNSS LED will turn solid green. The Loki ready to perform the mission.



Once the mission is completed, hold the green ON/OFF button for 2 seconds to turn off. To download the data, hold the ON/OFF button for 2 seconds to turn the Loki controller on and plug the USB cable into the Loki controller and computer. **Note: The Loki controller must be turned on prior to plugging the USB cable into the Loki controller in order to retrieve data for download.**



SUPPORT

Normal support business hours are **Monday - Friday, 8 AM — 5 PM** USA Central Time.

If a support request is sent during business hours a representative will typically get back to you within 4 hours. If received after hours, a response will be sent the following day. To speed response time please include the following information in your request:

- Contact information - please include e-mail address and phone number
- Company name
- Product name and version number

If your request includes problems pertaining to a specific error message, please include a screen shot of the error message.

For hardware and software support contact:

support@airgon.com