Vibration/Magnet mini**Sensor**

Quickstart Guide

⚠ ATTENTION

The miniSensor is used in conjunction with an existing Skyhawk CE account, subscription, and an active in-range Hub unit.

Sensors are shipped with a default sensitivity of 7, unless otherwise noted. Depending upon your application, this setting may need to be adjusted.

High sensitivity can lead to false alerts from external environmental factors such as rain, hail or extraneous vibrations. If false alerts arise, the vibration sensitivity can be adjusted by using the procedure on page 9.
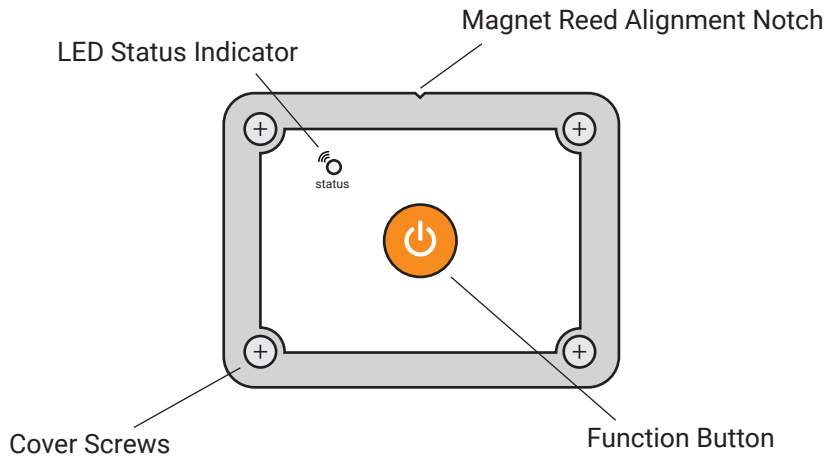
Need to download the **Skyhawk CE App?**

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Device Overview

LED Status Indicator

Magnet Reed Alignment Notch

status

Cover Screws

Function Button

Device Status Lights

Powering On (Valid Hub Connection)

●●● *(5 Sec.)*

Powering Down

●●● *(5 Sec.)*

Event Trigger

●●

Powering On (Failed Hub Connection)

●●●●● **P** ●●●●● *(5 Sec.)*

Device Reset

●●●●●●●●●● *(10 Sec.)*

On & Active Status

● *(Every 10 Sec. Normal)*

● *(Every 10 Sec. Retransmission)*

NOTE: *If the Sensor is out of range or the Hub unit was not turned on, the status LED on the Sensor will start rapidly blinking red after power up. Make sure the Hub unit was turned ON first or try relocating the Sensor/Hub combination so they are closer to each other. Power cycle or reset Sensor to retry Hub unit connectivity validation. (For further troubleshooting refer to hardware user manual)*
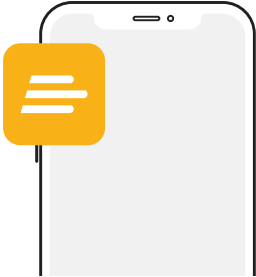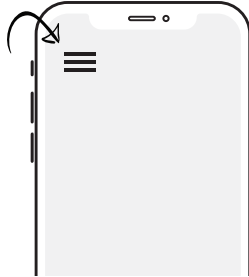
● Blink ●● Rapid Flashing **P** Pause
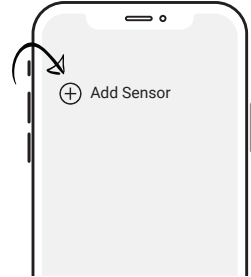
Activate Sensor

1

Open Skyhawk CE App

2

Open Main Menu

≡
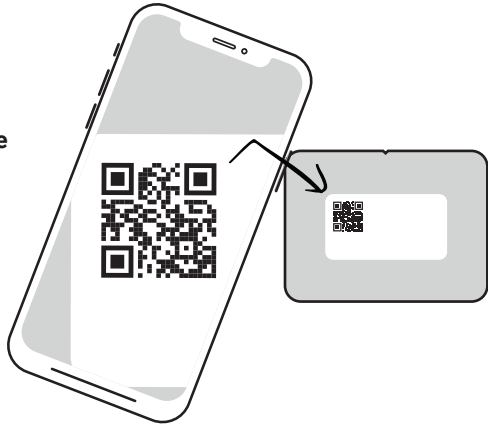
3

Select Add Sensor

⊕ Add Sensor

Activate Sensor (Continued)

(4)

Scan the unique QR code located on the back of the device and follow all in-app instructions to finish activating your sensor.
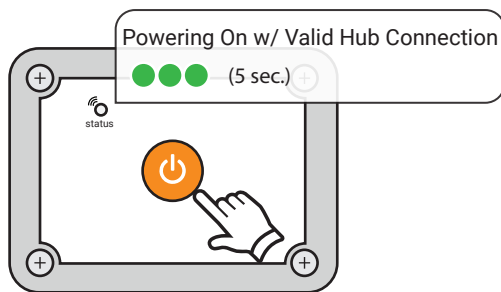
Product Serial Number can be entered manually if QR code can not be read.

NOTE: QR code and serial number can also be found on the original packaging.

Start-Up Operation

(IMPORTANT: Hub unit needs to be ON and in range, for Sensor connectivity)

Powering On w/ Valid Hub Connection
🟢🟢🟢 (5 sec.)

1.) Press and release the power/function button; the status light blinks green.

2.) Once powered on, the Sensor will automatically send an ON alert to your Hub; then, after about a 5 second pause the status light will rapid blink green to confirm a valid connection.

NOTE: *The status LED on the Sensor will start rapidly blinking red after power up if the Hub unit is not on, or in range.*

Adjust Accelerometer Sensitivity

IMPORTANT: Sensor must be turned on to enter program mode

1

Enter Program Mode

status

Press and hold button until LED sequence begins **(5 Sec.)**

2

Adjust Accelerometer Sensitivity

status

Push button 1-10 times to adjust sensitivity **(LED will blink <u>once</u> on each push)**

3

Wait 10 Sec.
(Sensitivity status confirmation)

(1-10 Blinks)
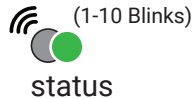
status

Unit will blink 1-10 times to indicate sensitivity.

4

Test Accelerometer Functionality

status

5 rapid green blinks as an acknowledgment from the hub.

Sensitivity
1 (Least Sensitive) ----> 10 (Most Sensitive) *Default set at 7*

9

Trigger Type Setup

Accelerometer (By Default)

1 **Attach Sensor**

2 **Trigger Sensor**
(Test Sensor functionality)

status

3 **Short Pause confirm 5 seconds of green blinks**
(Unit communicated with Hub)

status

4 **1-Minute, Until Next Trigger***

1 Min.

5 **Sensor Ready**

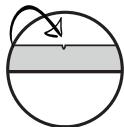5 rapid green blinks as an acknowledgment from the hub.

*Every Trigger is followed by a back off. The first four triggers are followed by one-minute. After the 5th trigger, all future triggers are followed by one hour until a heartbeat or a reed trigger or if the unit is power cycled.

10

Trigger Type Setup

Magnet Reed Switch
(Optional item, purchased separately)

1   **2**   **3**   **4**   **5**

Locate Magnet Notch
(Top of Sensor)

**Attach
Pull Magnet Kit**

**Attach other End
to Monitored Object**

**Trigger
Magnet**
(Test Sensor
functionality)

**Confirm 5 seconds
of green blinks**
(Unit communicated
with Hub)

status

status
5 rapid green blinks as
an acknowledgment
from the hub.

(Refer to hardware manual for detailed installation)
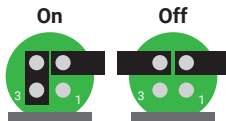
Enable/Disable Accelerometer

1 **Unscrew/Open Sensor Case**

2 **Configure Jumpers**
(Located above battery tray)

3 **Close Case > Turn Sensor On**

4 **Test Accelerometer Functionality**

On   Off

3 1   3 1

status

(Press + Release)

status

Shutdown Operation
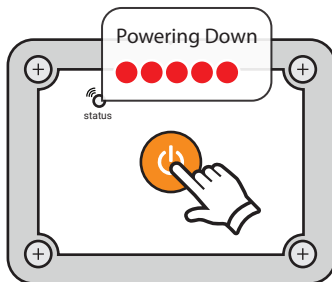
If the Sensor is not going to be used for an extended period of time:

1.) Press and release the power/function button; the status light starts blinking red.

2.) Sensor will continue to blink red 5 times during shutdown.

NOTE: *If Hub unit is in range during the shut down process, the Sensor will send a power-down alert to your Skyhawk CE App.*

Resetting Sensor

Reset Sensor to original factory default setting

1

**Press & Hold
Function Button**

(15+ Sec.)

2

**Keep Holding
Function Button**

status
Press and hold button
until LED sequence changes
to rapid blinking red

3

**Release
Function Button**

(2 seconds)

status
*(Red/Green/Blue
continuous rapid flash)*

4

**Startup Operation
Begins**

(1 second)

status
5 green blinks
1 second apart
for 5 seconds

NOTE: *While holding the function button the status light sequence will pass though the sensitivity menu in which the status light will start blinking green/red. Continue to hold past this until the status light is only rapidly blinking red.*

Battery Replacement

IMPORTANT: Always replace batteries with 2 new and identical name-brand AAA alkaline batteries. If jumpers have been modified, removing and replacing batteries will update unit to new settings.
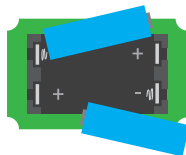

1

Unscrew/Open Sensor Case
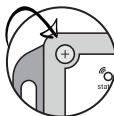
2

Remove Batteries
(Located under PC card)

3

Insert New Batteries
(Following +/- symbols)
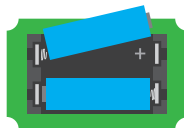
4

Startup Sequence Begins When User Presses And Releases Power Button.

status
(Red/Green/Blue continuous rapid flash)

(Refer to hardware manual for detailed instructions)

Battery Replacement

5

**Device Will Enter
Sleep Mode**

(**When the cover is screwed on, be sure
the notch is at the top. LED light will not
be visible if rotated 180 degrees**)

6

**Tighten Screws In "X" Pattern Order,
1, 4, 3 Then 2 Until Completely Seated.**
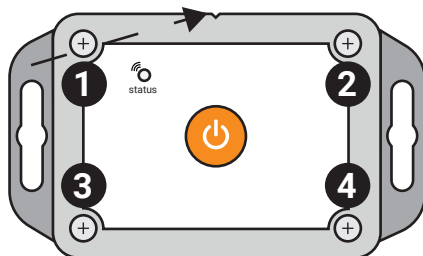
(Refer to hardware manual for detailed instructions)

Battery Optimization

While transporting or not actively using the Sensor in a deployment, it is recommended to power down the device to prevent unwanted and excessive triggering. Accelerometer will activate due to vibration in transport and battery life will shorten considerably.

If not using the Sensor for more than 1-2 days, it is recommend to turn the device off. Store unit in dry place when not in use.

Product Support & Manuals

For product support and to download detailed user and product manuals:

support.sky-hawk.com

or

Contact us at 1-800-760-3966

Limited Product Warranty

THIS LIMITED WARRANTY FOR SKYHAWK PRODUCTS GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY BY STATE, PROVINCE, OR JURISDICTION.

THIS LIMITED WARRANTY CAN BE FOUND ONLINE AT WWW.SKY-HAWK.COM/LEGAL AND IN THE DOCUMENTATION WE PROVIDE WITH OUR PRODUCTS.

COMPANY WARRANTS THAT DURING THE WARRANTY PERIOD, THE PRODUCT WILL BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP.

COMPANY EXPRESSLY LIMITS THE DURATION AND REMEDIES OF ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY.

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OUR RESPONSIBILITY FOR DEFECTIVE SKYHAWK PRODUCTS IS LIMITED TO REPAIR, REPLACEMENT OR REFUND AS DESCRIBED BELOW IN THIS WARRANTY STATEMENT.

Who May Use the Limited Product Warranty?
This limited warranty extends only to the original purchaser of the Skyhawk Product from the Skyhawk Website or from an authorized Skyhawk Dealer, or to the first person who activates the Skyhawk Product through registration of the Product to their Skyhawk Account ("you"/ "your"). It does not extend to any subsequent owner or other transferee of the Product.

What Does the Limited Product Warranty Cover?
This limited warranty covers defects in materials and workmanship of the Product for the Warranty Period as defined below.

What Does the Limited Product Warranty NOT Cover?
THIS LIMITED WARRANTY DOES NOT APPLY, AND IS VOID AND WITHOUT EFFECT AND COMPANY SHALL HAVE NO LIABILITY WHATSOEVER FOR DEFECTS OF SUCH PRODUCT, WHERE:

The Product has been subjected to abuse, misuse, neglect, negligence, accident, improper testing, improper installation, improper storage, improper handling, abnormal physical stress, abnormal environmental conditions, or use contrary to Seller's installation and maintenance instructions, restrictions on use and/or Important Safety Precautions.

The Product has been reconstructed, repaired, or altered by Persons other than Seller or its authorized Representative; or the Product serial number is missing, or the anti-tampering seal or other anti-tampering device has been broken.

What Is The Period Of Coverage for the Limited Product Warranty?
This limited warranty starts on the original date of purchase and lasts for ONE (1) YEAR (the "Warranty Period"). The Warranty Period is not extended if we repair or replace the Product. We may change the availability of this limited product warranty at our discretion, but any changes will not be retroactive.

What Are Your Remedies Under the Limited Product Warranty?
With respect to any defective Product during the Warranty Period, Company will, in its sole discretion, repair or replace such Product free of charge (including shipping and handling fees to return the repaired or replacement Product to you) or refund the price paid (including any shipping or handling fees).

How Do You Obtain Warranty Service?
To obtain warranty service, you must, during the Warranty Period, first contact Customer Support to notify Company of any defect or failure of the Product and obtain a Return Merchandise Authorization ("RMA") number. No warranty service will be provided without an RMA number. You may, at our discretion, be required to return the Product or destroy the Product and provide proof of destruction. When required to return the Product, you will be provided with shipping instructions and proof of purchase must accompany shipment. Company shall pay for shipping and handling charges in connection with performance of this limited warranty provided that Product is returned by following the shipping instructions provided under authorized RMA along with valid proof of purchase. For additional RMA process details go to www.sky-hawk.com.

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THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND COMPANY'S ENTIRE LIABILITY FOR ANY BREACH OF THIS LIMITED PRODUCT WARRANTY. COMPANY'S LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE PRODUCT, NOR SHALL COMPANY UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES TO ANY PERSON OR PROPERTY ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, WRONGFUL DEATH, PROPERTY DAMAGE, LOSS OF DATA, LOSS OF REVENUE OR PROFITS, BUSINESS INJURY, BUSINESS INTERRUPTION OR ANY OTHER DIRECT OR INDIRECT DAMAGES, EVEN IF COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THE TERMS OF THIS LIMITED WARRANTY FOR SKYHAWK PRODUCTS WILL APPLY TO THE EXTENT PERMITTED BY APPLICABLE LAW. FOR A FULLDESCRIPTION OF YOUR LEGAL RIGHTS YOU SHOULD REFER TO THE LAWS APPLICABLE IN YOUR JURISDICTION.

Regulatory Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You may also find helpful the following booklet, prepared by the FCC: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402.

Changes and Modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commissions rules.

Interference-Causing Equipment Standard
IC ES 003 : This Class B digital apparatus complies with Canadian ICES-003 Cet appareil numérique de la classe B est conform e à la norme NMB-003 du Canada.

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