HawkEye 7200 Quick Start Guide

DEVICE DESCRIPTION

CONTROL PANEL

The HE7200 Control Panel contains several LEDs and Buttons:

1. Signal LED
2. Message LED
3. Power Button
4. Charging LED
5. Bluetooth Button/LED
6. QPOS Button/LED

CHARGING PORT

The HE7200 power port is a 12-pin connector.

1. HE7200 Charging Port

CHARGE

To charge the HawkEye 7200:

1. Attach the circular 12 pin connector end of the charging cable or auto accessory adapter into the HawkEye 7200 Power Port (1).
2. Plug the charging cable or auto accessory adapter into the appropriate power source (supplying 10 – 28VDC operating/charging voltage.) The Charging LED is RED when the HawkEye 7200 is charging.
3. The HE7200 will need to be charged for at least 4.5 hours, once the battery is fully charged the Charging Indicator LED will be GREEN and it is ok to disconnect the charging cable.

ACTIVATE

Your HawkEye 7200 device must be activated prior to use. By default all Blue Sky Network tracking devices are shipped to customers in an un-activated state. All activation requests must be submitted by the Blue Sky Network SkyRouter Administrator on file. Please also note that SkyRouter access credentials are not issued until activation has been processed.

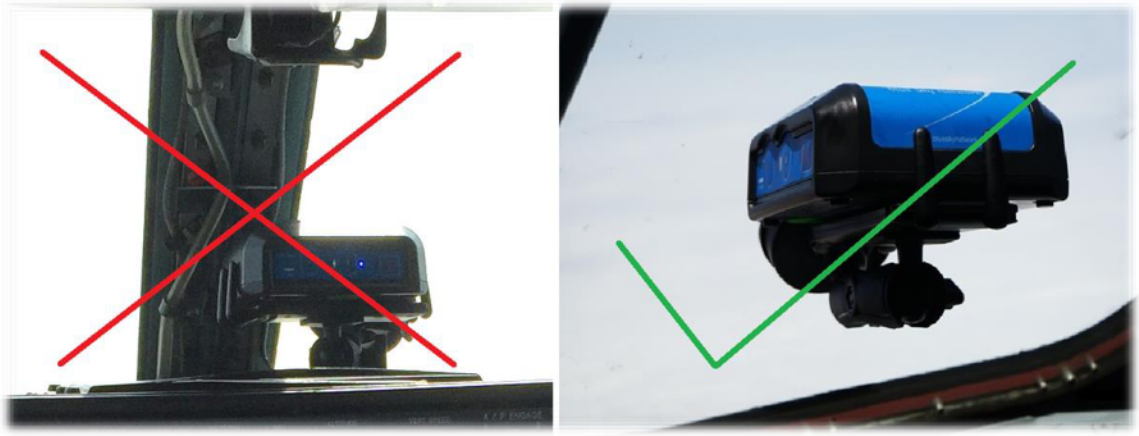
Activation requests can be submitted through our website, the link is shown below:

http://support.skyrouter.com/Support/ActivationForm.php

POSITION

For optimal performance we recommend that the device is placed in a location where it will have a completely unrestricted view of the sky; in an aircraft or vehicle we recommend that the device maintain a clear line of sight to the horizon and directly above.

Here is an example of a bad and good placement of the HE7200 device:



POWER ON

When powering on the Hawkeye 7200 it is important to have the device in a position to acquire good signal strength to speed up the time it will take for the device to acquire its first satellite lock. It is recommended that the HawkEye 7200 antenna has a completely unrestricted view of the sky while it is being used.

While all the LED indicators on the front of the device are off press down the Power button firmly and then release it; all the lights will turn on for 2 seconds before turning off again, the Signal LED will turn on and begin to flash rapidly.

After a few seconds the blinking patter will change to match the conditions described in the blink patterns mentioned in the LED behavior section below. You will want to ensure that the device maintains its ability to see the sky per the requirements.

NOTE: in circumstances where the HawkEye 7200 has travelled considerable distances while powered off it may take up to 30 minutes for the device to acquire a GNSS fix.

When you want to turn off the device, press the power button again; the device will attempt to send a Power Off event (if configured) and then all the lights will turn off.

LED BEHAVIOR

The legend (right) describes behavior patterns of the various LEDs that appear on the HawkEye 7200 unit.

When the HawkEye 7200 battery is depleted; all LEDs will flash on/off simultaneously and the unit will power off, the device must be charged.

SIGNAL	
CONSTANT BLINK	Searching for network signal
2 BLINKS	Searching for Iridium network
3 BLINKS	Searching for GPS network
SOLID	Connected to GPS and Iridium networks
MESSAGE	
SOLID GREEN	Sending message
SOLID AMBER	Recieving message
BLINKING AMBER	Messages Queued
1 BLINK RED	Send/Receive error
Q-POS	
BLINKING RED	Q-pos active
BLUETOOTH	
SOLID BLUE	Bluetooth active
CHARGING	
SOLID RED	Battery charging
SOLID GREEN	Battery fully charged

SKYROUTER

Once you have your device powered on and have Iridium signals you will want to login to your SkyRouter account and check that your device is reporting.

CONFIGURE

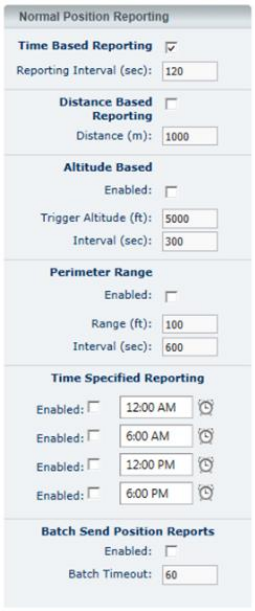
Once you have verified that your device is on and reporting to the SkyRouter system you will want to revise the reporting parameter settings. By default the HawkEye 7200 device is configured to report once per hour.

Parameter updates must can be sent from the 'Manage' > 'Devices' > 'Device Parameters' section of SkyRouter.

SKYROUTER PARAMETER UPDATE SCREEN

The following images (right) show all some standard parameters that can be used with the device, this will cause the unit to report at 2 minute intervals.

For further information on parameter updates please see the SkyRouter User Guide.



HAWKEYE 7200 PARAMETER EXPLANATION

Normal Position Reports	
Time Based Reporting	
Time Based Interval	Normal position reports will be generated at this interval.
Distance Based Reporting	
Distance Based Interval	Normal position reports will be generated when the device has displaced this distance.
Altitude Based Reporting	
Trigger Altitude (ft.)	Determine the altitude above which a different GPS reporting interval should be in effect.
Interval (sec)	GPS reporting interval above trigger altitude.
Perimeter Range Reporting	
Range (ft.)	Determine the range within which the unit will start reporting at the perimeter range interval. The unit will check every "regular GPS reporting interval" to determine whether the unit has moved more than the Perimeter Range distance from the previous measurement. If it has not, the perimeter range interval will be in effect.
Interval (sec)	Perimeter range mode reporting interval.
Event Reporting	
Quick Position Events	
Reporting Interval (sec):	Reporting interval when Quick Position is activated.
Count	Number of Quick Position messages to be sent.
Excessive GPS Speed	
Speeding Event Report Interval	Speeding events will be generated at this frequency when the asset speeding condition is active.
Speed Limit	This is the max speed limit for the asset.
Transition Time	The device will activate the speeding event when the asset is travelling faster its known max speed limit for this period of time.
Start Movement	
Movement Threshold (kph)	The device will use this speed to determine if it should begin monitoring the activation of a start movement.
Time Delay(sec)	When the starting speed threshold is detected the device will need to maintain a greater speed for this amount of time before we decide the device should send a start movement event.
Stop Moving/Idle Event	
Movement Threshold (kph)	The device will use this speed to determine if should begin monitoring the activation of a stop movement.
Time Delay(sec)	When the speed threshold is detected the device will need to maintain a lower speed for this amount of time before we decide the device should send a not moving event.
Report type	The device can send interval events, or it can notify only once (single).
Reporting Interval	If the device is supposed to continue to report not moving events it will do so at this rate.
Auto. Take-Off/Landing	
Take-Off Speed (knots)	When accelerating through this speed the unit will send a Take-Off message.
Landing Speed (knots)	When decelerating through this speed the unit will send a Landing message.

SUPPORT

Please do not hesitate to contact us via email or on the telephone number listed below. Thank you for choosing Blue Sky Network.

Phone: +1 858 551 3894 support@blueskynetwork.com