



**Myriota**

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# **AssetHawk Configuration Variables Register**

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## Revision History

Rev	Date	Description of Change
01	Apr 2026	Initial version.
02	Apr 2026	Updated the Movement Threshold default value

## Related Documentation

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# Introduction

The Configuration Variable register lists all configuration variables supported by AssetHawk for a given firmware version. This register includes a description of each variable, its impact, and its limits, where applicable.

# Firmware Compatibility

Not all configuration variables are present in all firmware versions.

# Updating Configuration Variables

The AssetHawk configuration can be updated via the AssetHawk Desktop Tool available from the [Myriota support site](#).

# Configuration Variables List

## Movement

Field	Range	Description
Stationary Interval	30s+	The period between regularly transmitted messages (in seconds) while the device is stationary.
Movement Interval	30s+	The period between transmitted messages (in seconds) while the device is moving. This should be less than or equal to the stationary interval.
Movement Timeout	1s+	How long (in seconds) the device must remain without movement before it's considered stationary. Once this timeout elapses without movement, the device switches from using the Movement Interval to the Stationary Interval for message scheduling. This value should be less than the Movement or Stationary interval.
Movement Threshold	1+	<p>The movement sensitivity threshold in mG (milliGravity). The lower this value, the more sensitive the device is to detect motion. The higher this value, the less sensitive the device is to detecting motion.</p> <p>The default value of 300 strikes a balance between reliable detection of moving vehicles and detection of vehicle vibration as movement.</p>
Orientation Threshold	0 - 1000mG	The orientation threshold to detect incorrect device orientation. The default value corresponds to a 15° tilt from the expected orientation, and it is not recommended for updating in most cases.

## Tamper

Field	Range	Description								
Tamper Mode	N/A	<p>Controls how the device behaves when a tamper event is detected.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Off</td> <td>Tamper detection is disabled.</td> </tr> <tr> <td>Alert Mode</td> <td>Enable tamper detection and sample messages at the Tamper Interval and Tamper movement intervals if tampering is detected.</td> </tr> <tr> <td>Silent Mode</td> <td>Enable tamper detection and stop all message transmissions if tampering is detected.</td> </tr> </tbody> </table>	Value	Description	Off	Tamper detection is disabled.	Alert Mode	Enable tamper detection and sample messages at the Tamper Interval and Tamper movement intervals if tampering is detected.	Silent Mode	Enable tamper detection and stop all message transmissions if tampering is detected.
Value	Description									
Off	Tamper detection is disabled.									
Alert Mode	Enable tamper detection and sample messages at the Tamper Interval and Tamper movement intervals if tampering is detected.									
Silent Mode	Enable tamper detection and stop all message transmissions if tampering is detected.									
Tamper Interval	30s+	The period between sampled messages (in seconds) when the device is in alert tamper mode and stationary.								
Tamper Movement Interval	30s+	The period between sampled messages (in seconds) when the device is in alert tamper mode and moving. This should be less than or equal to the Tamper Interval.								

## Bluetooth

Field	Range	Description						
BLE Beacons	N/A	<p>Enables or disables BLE beacon scanning and beacon data reporting in messages.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Off</td> <td>BLE beacon scanning is disabled.</td> </tr> <tr> <td>On</td> <td>Device scans for BLE beacons and includes their data in uplink messages.</td> </tr> </tbody> </table>	Value	Description	Off	BLE beacon scanning is disabled.	On	Device scans for BLE beacons and includes their data in uplink messages.
Value	Description							
Off	BLE beacon scanning is disabled.							
On	Device scans for BLE beacons and includes their data in uplink messages.							
BLE Beacon Scan Time	1+	How long (in seconds) the device actively scans for BLE beacons during each scan window.						
BLE Beacon Interval	1+	The period between BLE sampling (in seconds) when the device Scans for the BLE beacon scan time						
BLE Beacon Address	N/A	The MAC address of the specific BLE beacon to filter and report data from. Must be in standard colon-separated hex format (e.g. AA:BB:CC:DD:EE:FF).						