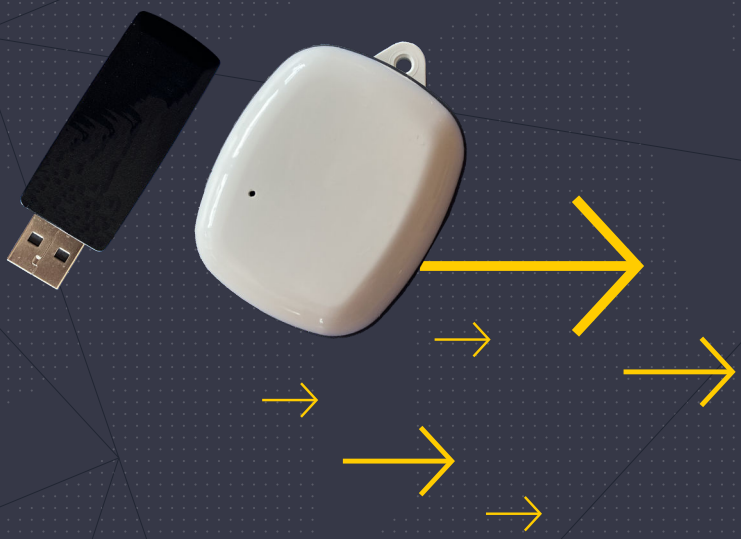
Version 2024-A

ADVANCED PEOPLE SENSOR

UWB Staff Detection

Quickstart Manual



Original document

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1 INTRODUCTION

This manual is intended to help you install and get started with the UWB Staff Detection. For the complete functionality, you need an UWB Dongle (017.539.007), at least one UWB Tag (017.540.007) and an object classification license (921.700-13B) on the device.

To charge the UWB Tag, you need a separate inductive charging device, based on QI standard. We recommend loading the UWB Tags before using them for the first time.

For further information or the complete configuration of UWB Staff Detection go to our support center at
➦ support.people-sensing.com
and download the *APS-RS-Configuration-Manual*.

2 INSTALLATION

When inserting the UWB Dongle, the device must be switched off.

- Disconnect the network cable in case of PoE or turn off the power.
- Insert the UWB Dongle into the USB port of the device. Make sure that the UWB Dongle is oriented correctly.

  ⓘ For APS-90 devices: If you are using a surface mount box, be sure to carefully insert the device into the box with the UWB Dongle installed. There is little space between the surface mount box and the UWB Dongle.
- In case of PoE, plug in the network cable or turn on the power supply.
- The device will boot up and detect the UWB Dongle.
- Configure the device now.

3 CONFIGURATION

Configure Staff Detection Tag Height

For correct detection of the tags, it is necessary to specify a carrying height. To set the height, go to the [Other Settings] page by clicking .

Specify the average carrying height of all tags in the [Staff Detection Tag Height] topic. You can set the height in 10 cm (4 in) increments between 80 and 140 cm (31 and 55 in).

- To set the staff detection tag height use the spin control or the slider.
- To go back to the last saved settings, click [Reset] .
- To save all the settings, click [Save] .

All other settings are described in the *APS-RS-Configuration-Manual*.

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4 FLASHING BEHAVIOR UWB TAG

Based on the current mode, the LED of the UWB tag shows the following behavior:

Mode	Condition	Color and timing
Sleep mode	Battery charged	Flashing green at intervals of 3 sec
	Battery low	Flashing red at intervals of 3 sec
Charging mode	Loading	Pulsating red and green
	Fully loaded	Constant green
	Error	Flashing red
	Battery overheated	Flashing 3 times red at intervals of 300 ms, then 1 sec pause
Operating mode	Battery charged	Flashing green at intervals of 2 sec. (500 ms in close proximity to the UWB dongle)
	Battery low	Flashing red at intervals of 2 sec. (500 ms in close proximity to the UWB dongle)

5 TECHNICAL DATA

This equipment may only be operated indoors. Operation outdoors is in violation of 47 U.S.C. 301 and could subject the operator to serious legal penalties.

Technical Data UWB Dongle (017.539.007)

Nominal Voltage	5 V
Operating Temperature	0 to 40 °C
Rated Output Power EIRP	-41,3 dBm (average)
Peak Antenna Gain	3,8 dBi
SHF UWB Band	6,0 GHz to 8,5 GHz

Technical Data UWB Tag (017.540.007)

Nominal Voltage	3,7 V
Operating Temperature	0 to 40 °C
Rated Output Power EIRP	-41,3 dBm (average)
Peak Antenna Gain	3,8 dBi
SHF UWB Band	6,0 GHz to 8,5 GHz

6 FCC STATEMENTS

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. Any change or modification not expressly approved by Hella Aglaia Mobile Vision GmbH may void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

For body worn operation, this device has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 5 mm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.