



Key Features

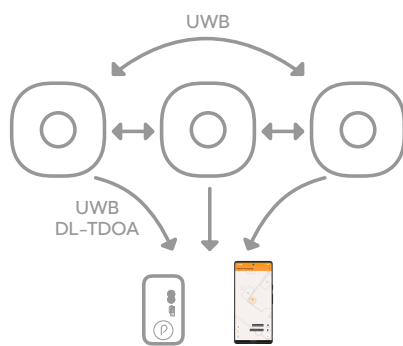
The Pinpoint SATlet provides highly synchronous ultrawideband (UWB) positioning signals using the Downlink-TDOA method, allowing compatible UWB receivers to position with up to 30 cm accuracy.

- UWB according to IEEE 802.15.4z, Downlink-Time Difference of Arrival, FiRa 2.0 Untracked Navigation Profile
- Wireless synchronization without network connection
- Attractive design for indoor use
- Configurable via Bluetooth LE (BLE)
- Power supply 5 V
- Integrated battery for 35 hours of operation

Application

Application areas of the Pinpoint SATlet include indoor areas that are to be equipped with precise positioning for way finding, location based services and interactions. This SATlet features an attractive housing design, making it particularly suitable in public buildings such as shopping malls, libraries, airports and trade fairs. Battery operation also makes it ideal for temporary events, trade shows and customer presentations.

System Architecture



SATlets synchronize wirelessly with each other and provide UWB signals as broadcast for the receivers.

The **UWB signals** work according to the downlink TDOA method and can be used by the receivers for positioning, regardless of the manufacturer.

UWB receivers calculate their own position on the device and make it available to the applications. The number of receivers is not limited.

Specification

Interfaces	
Communication	Bluetooth LE; 2.4 GHz
Power Supply	5V DC μ USB
Positioning	UWB IEEE 802.15.4z, 6.5 GHz

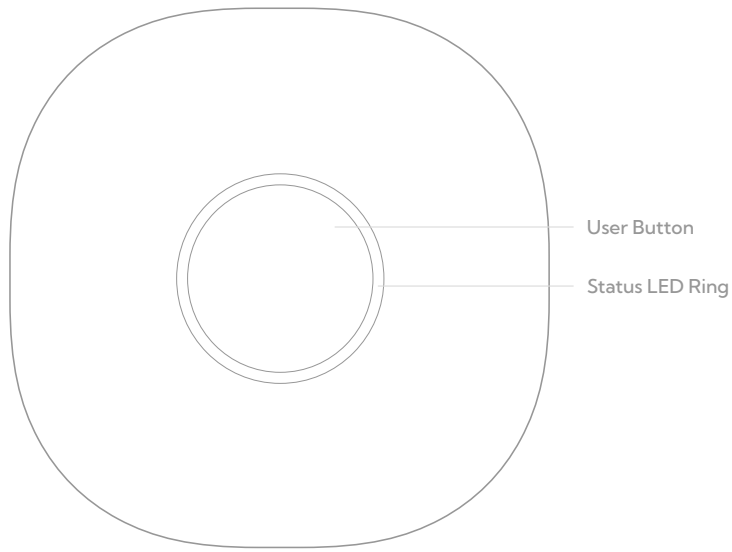
Software	
Configuration	EasyPlan, available for Windows 10+
Firmware Update	Bluetooth DFU Update Tool

Electrical	
Rated Power	0,6 W (charged); 5,6 W (charging)
Protection Class	II
Battery	1800 mAh @ 3,6 V

Mechanical	
Dimensions	105 x 105 x 32 mm (WxHxD)
Weight	167 g
Mounting	Oblong hole recess, hole distance 45 mm; 1/4" adapter (optional)
IP Protection Class	20

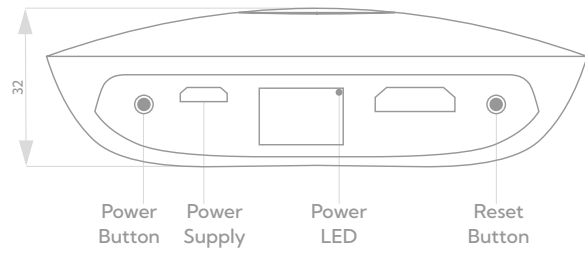
Environmental	
Operating Temperature	-20 °C 40 °C
Immunity	conform according to ETSI EN 301 489-33 V2.2.1
Emissions	conform according to ETSI EN 301 489-33 V2.2.1
Certifications	CE

Schematics [mm]



Top View

Rear View



Back View

