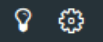# REACH M+

reach2
192.168.13.23

- Status
- Survey
- RTK settings
- Correction input
- Position output
- Base mode
- Logging
- Camera control
- Wi-Fi
- Bluetooth

Bluetooth

Bluetooth

OFF ◯ ON

R   reach2
192.168.13.23

- Status
- Survey
- RTK settings
- Correction input
- Position output
- Base mode
- Logging
- Camera control
- **Wi-Fi**
- Bluetooth

Wi-Fi

Hotspot   OFF ◯ ON

Name	Password
reach2:BF:67	**emlidreach**

Edit

Networks

Known

📶 SensorBox
Connected (192.168.13.23)

Available   ↻

➕   Connect to a hidden network

Turn Wi-Fi off to save battery power
WARNING: ReachView will be inaccessible until a manual reboot of Reach.

REACH M+

reach2
192.168.13.23

- Status
- Survey
- RTK settings
- Correction input
- Position output
- Base mode
- Logging
- **Camera control**
- Wi-Fi
- Bluetooth

Camera control

Camera trigger — OFF ⬤ ON

Period
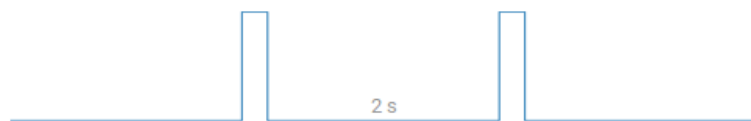2 s   30 s

Duty cycle
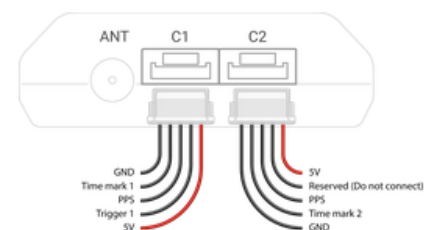20 ms   100 ms

Polarity

Normal ⌄

2 s

Camera events

Last time mark: -

Only works with GNSS satellites in view for time synchronization. Event is triggered by driving time mark pin down, usually by a camera hot shoe. All event marks are stored in the raw data log.

Connector pinout

ANT   C1   C2

GND   5V
Time mark 1   Reserved (Do not connect)
PPS   PPS
Trigger 1   Time mark 2
5V   GND

ⓘ Pin marked Trigger 1 (GPIO6) is used to generate a signal to trigger the camera

REACH M+

v2.17.3

reach2
192.168.13.23

- Status
- Survey
- RTK settings
- Correction input
- Position output
- Base mode
- **Logging**
- Camera control
- Wi-Fi
- Bluetooth

192.168.13.23

Logging

320 MB / 5.0 GB

Raw data		Position		Base correction	
UBX ⌄	OFF ⬤ ON	LLH ⌄	OFF ⬤ ON	RTCM3 ⌄	OFF ⬤ ON

Yesterday 🗑

22:44 Base correction
○ RTCM3 — 0 MB

22:44 Raw data
○ UBX — 1.27 MB

22:44 Position
○ LLH — 0.11 MB

10 February 2019 🗑

15:01 Base correction
○ RTCM3 — 0.12 MB

15:01 Raw data
○ UBX — 1.6 MB

15:01 Position
○ LLH — 0.22 MB

v2.17.3

reach2
192.168.13.23

- Status
- Survey
- RTK settings
- Correction input
- Position output
- Base mode
- Logging
- Camera control
- Wi-Fi
- Bluetooth

Base mode

Corrections output   OFF ⬤ ON

| Serial | NTRIP | TCP | LoRa | BT |

Base coordinates   🔄 ⬇

Coordinates input mode

Average single ⌄

Coordinate accumulation time

2 min   30 min

◯ Waiting for SINGLE status...

ⓘ Coordinates will be averaged every time you restart the device.

RTCM3 messages

1002	GPS L1 observations	1 Hz ⌄	☑
1006	ARP station coordinates	0.1 Hz ⌄	☑
1010	GLONASS L1 observations	1 Hz ⌄	☑
1097	GALILEO	1 Hz ⌄	☐
1107	SBAS	1 Hz ⌄	☐
1117	QZSS	1 Hz ⌄	☐
1127	BeiDou	1 Hz ⌄	☐

Status

Survey

RTK settings

Correction input

Position output

Base mode

Logging

Camera control

Wi-Fi

Bluetooth

Base mode

Corrections output OFF [ON]

| Serial | NTRIP | TCP | LoRa | BT |

Role
Server ▾

Address
localhost

Port
9000

ⓘ Corrections output format is RTCM3

Cancel   Apply

RTCM3 messages

ID	Description	Rate	
1002	GPS L1 observations	1 Hz ▾	☑
1006	ARP station coordinates	0.1 Hz ▾	☑
1010	GLONASS L1 observations	1 Hz ▾	☑
1097	GALILEO	1 Hz ▾	☐
1107	SBAS	1 Hz ▾	☐
1117	QZSS	1 Hz ▾	☐
1127	BeiDou	1 Hz ▾	☐

Base coordinates

Coordinates input mode
Average single ▾

Coordinate accumulation time
2 min   30 min

⟳ Waiting for SINGLE status...

192.168.13.23/#logging

REACH M+

v2.17.3

reach2
192.168.13.23

- Status
- Survey
- RTK settings
- Correction input ◆
- **Position output** ←
- Base mode ◆
- Logging
- Camera control
- Wi-Fi
- Bluetooth

Position output

Output 1
OFF ● ON

| Serial | TCP | BT |

Role

Server ⌄

Address

localhost

Port

5020

Format

NMEA ⌄

● **Waiting…**

Output 2
OFF ○ ON

| Serial | TCP | BT |

● Stream is off

R reach2
192.168.13.23

- Status
- Survey
- RTK settings
- → Correction input
- ← Position output
- Base mode ◆
- Logging
- Camera control
- Wi-Fi
- Bluetooth

Correction input

Base correction   OFF ◉ ON

Serial	NTRIP	TCP	LoRa	BT

ⓘ Make sure that your device is paired and connected in bluetooth settings

Format

RTCM3 ▾

☐ Send NMEA GGA messages to the corrections provider (required for VRS)

● **Connected to HTTP/1.1 401 Unauthorized**

Cancel   Apply

REACH M+

reach2
192.168.13.23

- Status
- Survey
- RTK settings
- Correction input ◆
- Position output
- Base mode ◆
- Logging
- Camera control
- Wi-Fi
- Bluetooth

RTK settings

RTK

Positioning mode

Kinematic ⌄

GPS AR mode

Fix-and-hold ⌄

GLONASS AR mode

Off ⌄

Elevation mask angle

| 0° | 5° | 30° |

SNR mask

| 0 | 20 | 40 |

Max acceleration

Vertical

| 1 m/s² | 10 m/s² |

Horizontal

| 0 m/s² | 3 m/s² | 10 m/s² |

GNSS select

- ☑ GPS
- ☐ GLONASS
- ☐ GALILEO
- ☑ SBAS
- ☑ QZSS
- ☐ BEIDOU

Update rate

10Hz ⌄

REACH M+

v2.17.3

- Status
- **Survey**
- RTK settings
- Correction input ◆
- Position output
- Base mode ◆
- Logging
- Camera control
- Wi-Fi
- Bluetooth

Survey
Projects list

⊕ New project

No projects found

Create new project using "New project" button in the top right corner