CMLID

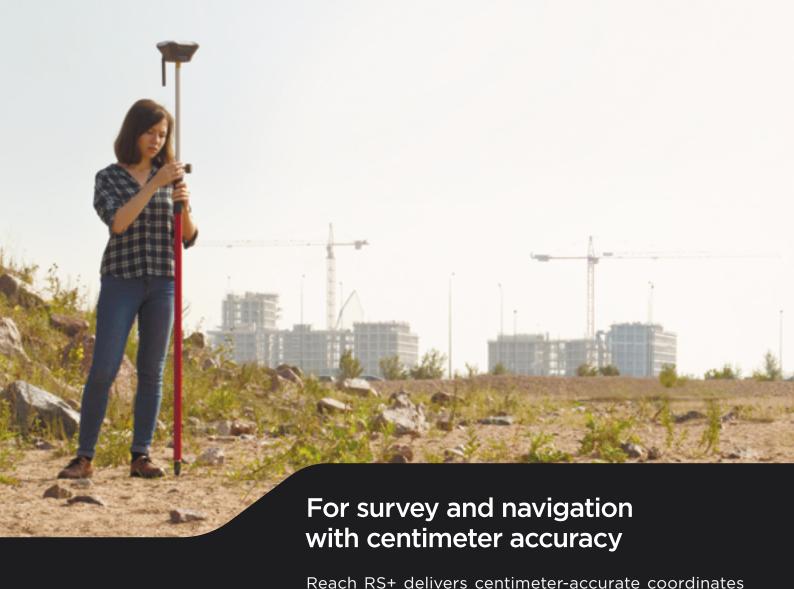
REACH RS+

RTK GNSS receiver

with an app as a controller

emlid.com

\$799



What's inside

Multi-system support

GPS, GLONASS, BeiDou, Galileo, QZSS, SBAS

Dual-feed antenna

With tight phase center variation

Long range radio

LoRa 868/915 MHz for reliable connection on distances up to 8 km

30 hours battery

LiFePO4 battery, USB charging, external 6-40V input

8GB of storage

Built-in memory for logs

Base station

applications.

Use Reach RS+ to set up your own base station. Stream corrections over the network via NTRIP/TCP or LoRa radio. Record base logs for post-processing.

Correction format: RTCM3 Log format: RINEX 2.0, RINEX 3.0

Machinery guidance

Reach RS+ is able to provide precise coordinates over Bluetooth/Wi-Fi to your tablet with a lightbar navigation app. RS-232 interface allows to connect Reach RS+ directly to an autosteer system.

Solution formats: NMEA, LLH/XYZ

Compatible apps: MachineryGuide, AgriBus-Navi, Efarmer

Point stakeout

over multiple wireless or wired channels making it a universal tool for all kinds of precision-demanding

> Point Stakeout feature available in the app allows you to import a list of points of interest. Follow the app's guidance to reach the exact spot.

Importing formats:

DXF, GeoJSON and ESRI Shapefile

Point collection

With Reach RS+ you can create survey projects to manage data collection. When working in the field each point is assigned a custom name and offset. Results can be downloaded from the project list.

Exporting formats: CSV, DXF, GeoJSON and ESRI Shapefile



Sleek and intuitive software that turns any smartphone into an advanced field controller for Reach RS+.



Helps with setup

Easily configure correction input, solution output, update rate and satellite systems in use. Manage Wi-Fi and Bluetooth connections.



Status monitoring

ReachView shows current satellite signal strength, constellation visibility, your location on a map and much more.



Surveying tools

Built-in tools for data collection. Record geolocations with specified accuracy. Import and export in industry standard formats.



Log management

Logs are automatically recorded in internal memory. View a list of the logs and download them using the ReachView app.

Field-ready

Rugged casing

Tough polycarbonate shell is specially crafted to protect Reach RS+ from falling and everyday wear.

IP67 certified

Sealed enclosure makes Reach RS+ water- and dustproof allowing it to work in any weather.

-20...+65°C

Industrial grade components ensure smooth operation no matter what the season is.

ReachView is available on:









Reach RS+ survey kit

\$1598

Two Reach RS+ receivers for surveying in RTK and PPK modes. Centimeter accuracy for surveying, mapping and data collection.



Reach RS+ specifications

MECHANICAL		ELECTRICAL	
Ingress protection	IP67 (water- and dustproof)	Battery life	30 hours
Size	145 x 145 x 85 mm	Charging port	Micro-USB
Weight	690g	External power input	6-40V
Operating temperature	-20+65°C	Certifications	FCC, CE
POSITIONING		DATA	
Static horizontal	5 mm + 1 ppm	Internal storage	8GB
Static vertical	10 mm + 2 ppm	Correction input	RTCM2, RTCM3
Kinematic horizontal	7 mm + 1 ppm	Solution output	NMEA, ERB, LLH/XYZ
Kinematic vertical	14 mm + 2 ppm	Logs	RINEX 2.X, RINEX 3.X
GNSS		CONNECTIVITY	
Signals	GPS/QZSS L1C/A, GLONASS L1OF,	Interfaces	USB, RS-232,
	BeiDou B1l, Galileo E1-B/C, SBAS		PPS, Event
Update rate	14 Hz GPS / 5 Hz GNSS	Radio	LoRa 863-928 MHz
Tracking channels	72	Wi-Fi	802.11 b/g/n
IMU	9DOF	Bluetooth	4.0/2.1 EDR