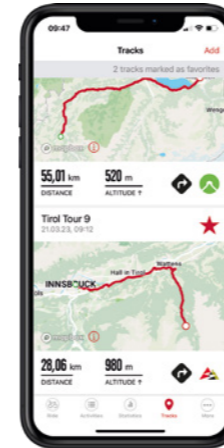# ROX 12.1 EVO

NAVIGATE SMARTER. PERFORM BETTER. DISCOVER MORE.

Distance | km
48.5

Elevation | m
1129

Moena (Moyen)

Suggested Easiest Shortest

Start

12.1 EVO

ROX

MADE IN GERMANY

SIGMA®

ROX 12.1 EVO HIGHLIGHTS

INNOVATIVE MAP NAVIGATION

- SIGMA bike-optimized OSM maps *EVO!*
- Pre-installed maps*
- Maps for free global download
- Various routing options
- Turn-by-turn navigation
- Smart re-routing

Page 4

* Countries vary by market

PROFESSIONAL TRAINING SYSTEM

- 20 sport profiles for installation *EVO!*
- Six customizable training views
- Strava Live Segments
- Workouts
- Drinking and eating alarms
- Advanced sensor connection *EVO!*
  (FE-C, radar, Shimano Di2, eShift, ROTOR Power, etc.)

Page 6

E-BIKE-READY *EVO!*

- Battery level
- Support level
- Range
- Gear-change recommendation
- and much more*

Page 7

* The in-Display is shown on the display vary
according to the very site bound end System.

The ROX 12.1 EVO is a refinement of the ROX 12.0.
The features marked *EVO!* are new or refined.

SMART CONNECTIVITY

- SIGMA RIDE app *EVO!*
- Smart notifications *EVO!*
- Crash alert *EVO!*
- Expanded third-party-provider Integration *EVO!*

Page 8

INTUITIVE INTERFACE

- Modern, streamlined user interface *EVO!*
- Shortcut and favorites menu
- Touch display and additional large buttons for easy operation with gloves
- Home button returns the user to the main menu

Page 10

POWERFUL HARDWARE

- GNSS reception *EVO!*
- Quick route calculation
- Fast map image build-up
- Quick updates and map downloads via WiFi
- Compact and light *EVO!*
- Transflective 3" colour display
- Dustproof and water-resistant (IP67)

Page 11

ROX 11.1 EVO:
GPS TRAINING COMPUTER
BROAD RANGE OF FUNCTIONS

ROX 4.0:
GPS BIKE COMPUTER
WITH ALTITUDE MEASUREMENT

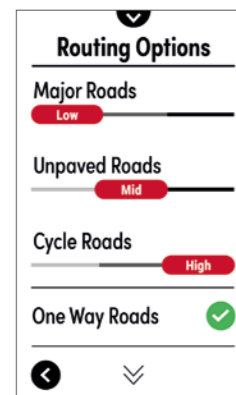**ROX 2.0:**
GPS BIKE COMPUTER
FOR BEGINNERS

INNOVATIVE MAP NAVIGATION

BIKE-OPTIMIZED MAPS

The ROX 12.1 EVO comes with lots of pre-installed country maps. The bike computer is ready to go as soon as it is unpacked. A SIGMA-specific map display ensures that cyclists can find their way around easily. The maps highlight bike paths and trails to always take them to the best route. More maps and regular updates can be downloaded free of charge via WiFi.

ONE TOUR, MANY OPTIONS

Easily entering an address, routing to a point on the map or a point of interest (POI), or adding intermediate stops to an existing route – the navigation possibilities are limitless. The multifaceted navigation functions can be used autonomously without the ROX 12.1 EVO being connected to the internet or a smart phone, of course.

LOAD TRACKS EASILY EVO!

Tracks are imported from such portals as Strava and komoot or as a .gpx file into the free SIGMA RIDE app. Tracks can now be called up in a clear format at any time, synchronized with the ROX 12.1 EVO, and started. Useful tip:
Favourite tracks can be saved in the "Favourites" menu and called up quickly later.

PLAN RIDES EVO!

During route creation, the current position can be deactivated, so the next biking vacation can be planned from anywhere – the couch at home, for instance. The tours can later be called up from the route list.

INDIVIDUAL ROUTING

Cyclists can determine what criteria their route should meet and choose among the recommended route, the easiest, and the shortest. The altitude profile is also displayed for each. Surface type preferences (bike paths, main roads, unsurfaced pathways) can be defined in the sport profile in advance.

TURN-BY-TURN NAVIGATION

During navigation, the ROX 12.1 EVO display shows the route and turn-by-turn directions. A pop-up with an acoustic signal indicates the next turn. The distance to the next turn-off and the street name are also displayed. The map can be displayed to cover the entire screen, or a small version of it can be shown in the training views.

DRAW MY ROUTE

The "Draw my Route" function is a unique feature for all those who like to be surprised. The user just draws one or more lines on the map, and the ROX 12.1 EVO uses them to create a suggested route.
Are the distance and altitude profiles the way you want them? Then you're ready to go!

SMART RE-ROUTING

If cyclists spontaneously change their ride from the suggested route, the ROX 12.1 EVO will quickly plan a new route to the destination – re-calculating distance, predicted arrival time, and altitude profile.

PROFESSIONAL TRAINING SYSTEM
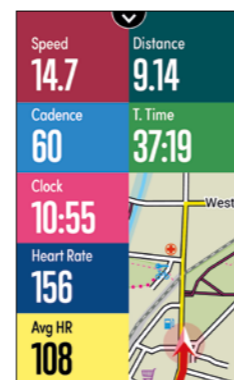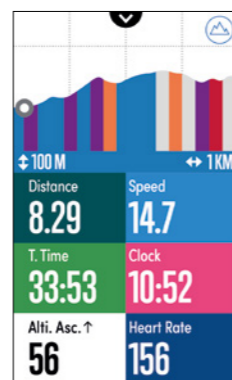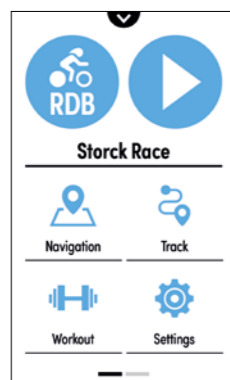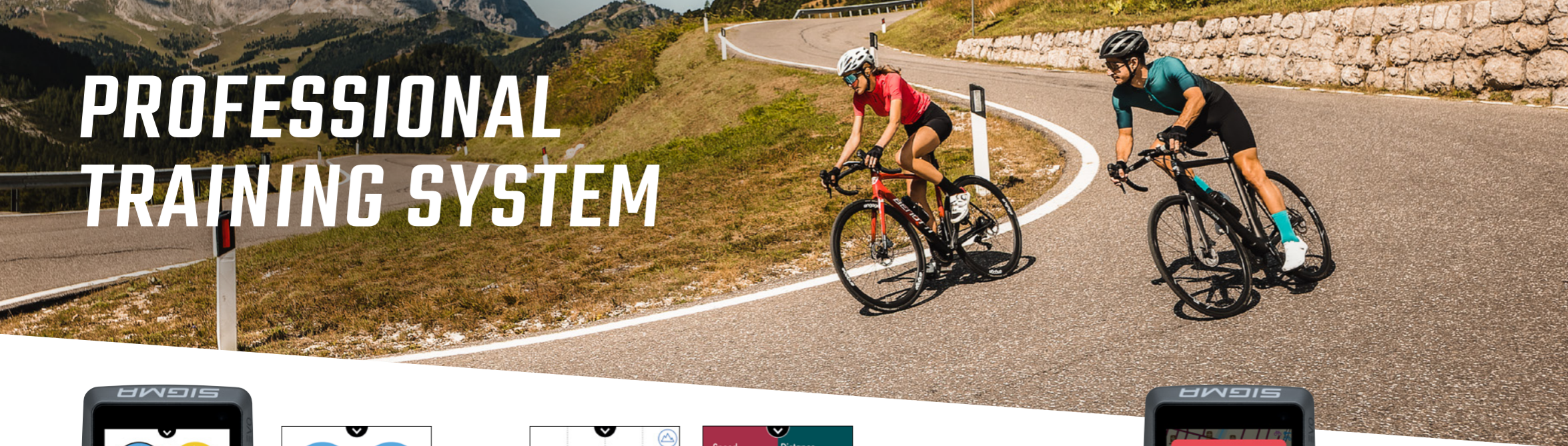
CUSTOM SPORT PROFILES EVO!

Six pre-defined and up to 20 other customizable sport profiles prepare the ROX 12.1 EVO for any bike adventure. Training views, trail preferences, and alarms are specified in the individual sport profiles. The profiles can easily be created and adjusted on the ROX 12.1 EVO or in the SIGMA RIDE app.

PERSONAL TRAINING VIEWS

Up to six training views can be customized and the data fields marked with different colors. Depending on how many values are to be shown on each page (1-10), different layout suggestions are made to the user. A total of 30 layouts are available. The device also has views for workout, navigation, FE-C smart trainer, and laps.

DRINKING AND EATING ALARMS

For optimum energy supply during competition and training, the ROX 12.1 EVO reminds the cyclist to eat and drink whenever desired, such as at certain times or distances. Another alarm can have customized text – and the user decides whether it appears only once or is repeated.
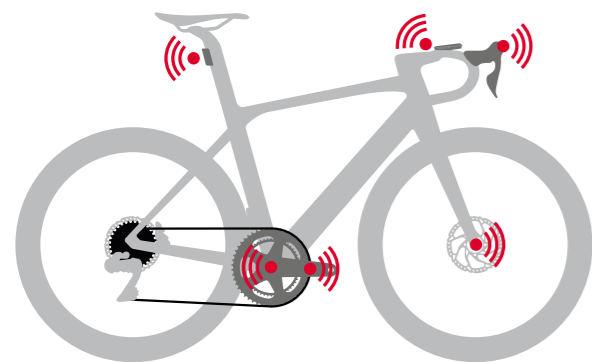
EXTERNAL SENSORS EVO!

The ROX 12.1 EVO can be easily and reliably connected to external sensors via BLE and ANT+.

|	
Speed measurement	SRAM-eTap-compatible
Cadence measurement	Shimano-Di2-compatible
Heart rate measurement	Smart Trainer (ANT+)
Watt measurement with power meter	Radar

TRAINING WITH WORKOUTS

The ROX 12.1 EVO helps structure training. The most important workouts are already pre-installed. The RIDE app can also be used to upload workouts from portals such as TrainingPeaks to the ROX 12.1 EVO.
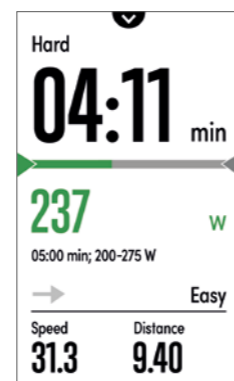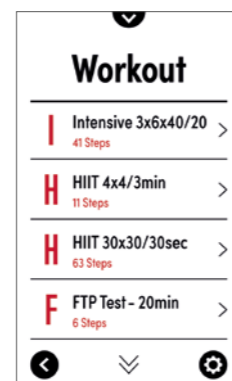
STRAVA LIVE SEGMENTS

The SIGMA RIDE app can be used to import Strava Live Segments to the ROX 12.1 EVO. The display notifies the user when he is approaching the starting point of one of the segments on the device and when the segment begins.

E-BIKE-READY EVO!
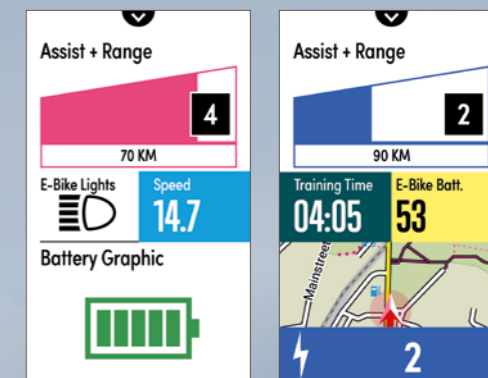
The ROX 12.1 EVO can be paired easily with many e-bikes and shows specific values such as range, battery level, and support level, depending on the e-system connected. The display can also show the gear change recommendation, saving cyclists energy and battery charge.

The SIGMA RIDE app also supports assessment of your e-bike tour, of course. Graphic profiles and heat maps use a variety of colors to visualize how much of the route was ridden at what support level and much more.

E-BIKE COMPATIBILITY LIST

A continuously growing list of all compatible e-bike systems can be found by visiting **goto.sigmasport.com/eox-ebike-comp** – or scanning the QR code.
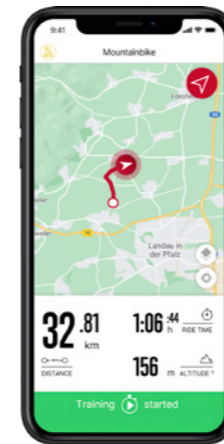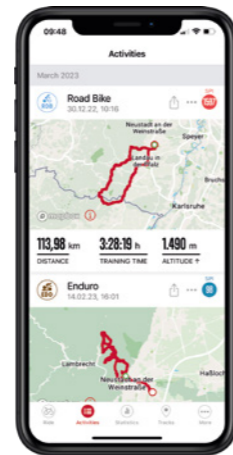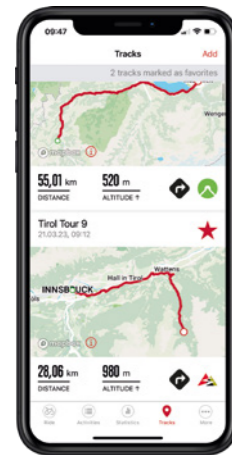
Extract

SMART CONNECTIVITY
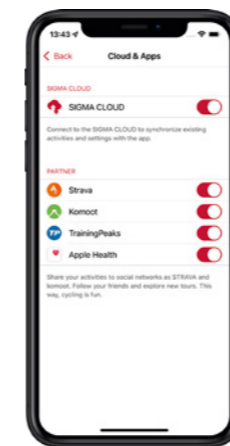
SIGMA RIDE APP EVO!

PERFECT TRACK OVERVIEW EVO!

The SIGMA RIDE app's list view shows all imported tracks with tour name, date, distance, and elevation gain. It also shows the source of a track (Strava, komoot, etc.). Various filters can be used to sort the track list.

AN EYE ON ALL TOURS EVO!

The SIGMA RIDE app enables cyclists to store all of their activities. The list view displays all tours with route, date, distance, ride time, and ascent/descent in an easy-to-read format. The most recent activity is always at the top of the timeline. The list can also be filtered by sport.

EXPERIENCE IT LIVE EVO!

Activities are recorded with the ROX 12.1 EVO bike computer and can be analysed immediately in the RIDE app's Live Screen. The route and current GPS position can be displayed on the map. Distance travelled, training time elapsed, and altitude uphill are also displayed, including a graphic altitude profile.

SMART NOTIFICATIONS EVO!

Smart notifications connect the smart phone to the ROX 12.1 EVO even during a ride. Notifications of incoming calls, messages, and e-mails appear automatically on the display. Short messages can even be read directly on the ROX 12.1 EVO. If desired, sounds and smart notifications can be switched off, too.

TOUR DETAILS EVO!

The activity screen shows the precise details of each tour. In addition to graphic profiles for each value, such as power meter or heart rate, a heat map shows performance along the route. Other values include Assist Mode (e-bike) and altitude. This visualization helps record data quickly and makes it especially easy to detect outlying values. Meta-information such as weather, temperature, and riding experience can be added.

STATISTICS FOR MORE MOTIVATION EVO!

Statistics make it easy to quickly view and compare progress over the last few weeks, months, or even years. Cyclists can thus keep an eye on their total kilometers or ride time so that they know when they have achieved a personal best, such as the longest distance or fastest activity, in each sport.

SHARE SUCCESSES EVO!

The SIGMA RIDE app makes it very easy to share tour data to social media such as komoot, Strava, TrainingPeaks, Facebook, Twitter, and WhatsApp. Users of the SIGMA RIDE app for iOS can integrate Apple Health and share routes and training values there as well.

CRASH ALERT EVO!

The Crash Alert built into the ROX 12.1 EVO automatically detects a fall and gives the rider 30 seconds to confirm that everything is OK. If there is no confirmation, the SIGMA RIDE app automatically sends an SMS to previously selected emergency contacts and gives them the relevant GPS data.

INTUITIVE INTERFACE

POWERFUL HARDWARE
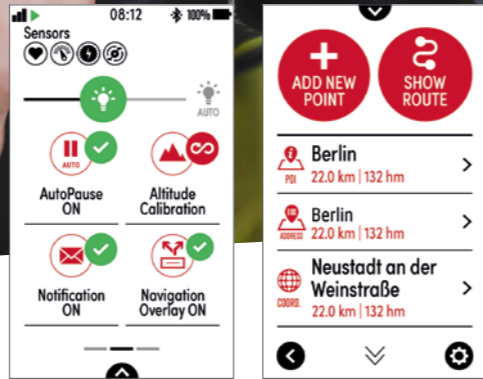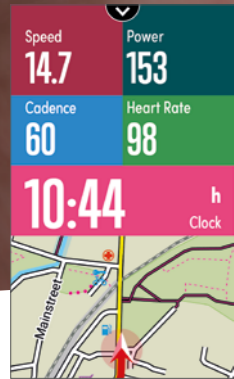
MAXIMUM EASE OF USE `EVO!`

Large buttons and a clean, modern design make the ROX 12.1 EVO very user-friendly. Optimized typography makes the device very easy to read.
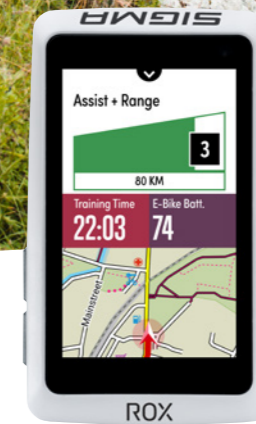
SHORTCUT AND FAVORITES MENU

The practical shortcut and favorites menus can be reached quickly by swiping the display. The favorites menu can be used to call up recent destinations or favourite locations. The shortcut menu is use to display relevant functions like Back to Start or battery level.

SMALL BUT POWERFUL `EVO!`

The three-inch touch display fits perfectly into the ROX 12.1 EVO's modern design. Its size makes the display easy to read even during a ride. And it weighs only 110 grams.

FAST MAP IMAGE BUILD-UP

Display view, zooming in and out, route calculation, or re-routing: the ROX 12.1's map features a speedy image build-up. It reacts very quickly and fluidly to operator commands.

FIVE BUTTONS + TOUCHSCREEN `EVO!`

STOP

Stops the training session.

TOGGLE –

Scrolls back in the training views, zooms out on the map.

HOME/POWER

Returns the user to the main menu from anywhere, switches the device on and off, opens the power options (two-second press).

START/LAP

Starts training, takes a lap during the training session, starts the next workout phase.

TOGGLE +

Scrolls forward in the training views, zooms in on the map.

MADE FOR OUTSIDE

The ROX 12.1 EVO's tough housing and display can handle minor falls. It is protected from dust and water (IP67), and the touch display can be used reliably even when it is raining. The transflective display with intelligent backlight is easy to read in any lighting – even direct sunlight. GNSS ensures a quick fix on the bike's position.

Long Butler   Over Clamp Butler

FLEXIBLE INSTALLATION `EVO!`

The Long Butler included in delivery gives the ROX 12.1 EVO the ideal position on the handlebars. It can be mounted on handlebars with diameters from 25.4 to 31.8 mm in a few easy steps. The Over-clamp Butler (available separately) can be used to centrally position the ROX 12.1 EVO above the stem at the level of the handlebars.

FEATURES AND FUNCTIONS

GENERAL	ROX 12.1 EVO
Dimensions (W x L x H)	57 x 95 x 21 mm
Mount compatibility	GPS Mount, Long Butler GPS, Overclamp Butler GPS
Weight	~110 g
Water resistance	IP67
Battery	2400 mAh (Li-ion), 3.8 V
Touchscreen	●
Display size	3.0"
Resolution (pixels)	240 x 400
Colour display/Number of colours	16 million colours
Display technology	Transflective
backlight	●
Typical battery life	14 hours (depending on environment and personal use)
Connectivity	BLE, ANT+, WiFi
Smart notifications	●
Sensors	Speed, cadence, heart rate, power meter, electronic shifting, smart trainer (FE-C), radar, remote, ROTOR power meter (OCA/OCP)
Full text display	Eight languages (CS, DE, EN, ES, FR, IT, NL, PL)
E-bike-ready	●

NAVIGATION	
Map navigation	●
Track navigation	●
Turn-by-turn navigation	●
Number of tracks on the device	up to 100
Back to Start	●
Same Track Back	●
Enter address	●
POI search	●
Coordinate entry	●
"Draw my Route" function for faster route generation	●
Create a track with multiple intermediate stops	●/up to 50 intermediate stops
Create/manage navigation favourites	●

SENSORS	
GPS	●
GLONASS	●
GALILEO	●
Barometric altitude measurement	●
Ambient light sensor	●
Acceleration sensor	●

TRAINING	
Pre-installed sport profiles	6
Individually adjustable sport profiles	up to 20
Individually adjustable training pages	up to 6
Individually adjustable number of training values per page	up to 10
Templates for training views	30
Colours for highlighting training values	8
Workouts	●
Number of workouts on the device	up to 100
Strava Live Segments	●
Crash alert	●
Alarms	Food, drinks, individual
Auto pause	●
Lap function	Manual, automatic (time/distance)
Target zone training	Speed, cadence, heart rate, power

DATA ANALYSIS	
SIGMA RIDE app	●
Memory	until the memory is full
File format	.fit
Use the RIDE app to share to Strava, komoot, TrainingPeaks, Facebook, Twitter, WhatsApp, and Apple Health	●

WORKOUT FUNCTIONS

BASIC FUNCTIONS	
Speed/Avg. speed/Max. speed	●
Distance	●
Training time (net)	●
Training time (gross)	●
Sigma Performance Index	●
Calories	●
Clock (12/24 hrs)	●
Date	●
Sunrise	●
Sunset	●

ALTITUDE MEASUREMENT	
Current altitude	●
Gradient (in %)	●
Rise rate	●
Altitude profile	●
Altitude uphill	●
Max. altitude/Min. altitude	●
Max. rate of ascent	●
Max. incline	●
Altitude downhill	●
Max rate of descent	●
Max. decline	●

CADENCE FUNCTIONS	
Cadence/Avg. cadence/Max. cadence	●

HEART RATE FUNCTIONS	
Current heart rate/Avg. heart rate/Max. heart rate	●
Minimum heart rate	●
% maximum heart rate	●
Avg. % max. heart rate	●
Target zone	●
Intensity zones	●
Heart rate graph	●

POWER FUNCTIONS	
Balance/Avg. balance	●
Balance 3/10/30 sec. - Avg.	●
pedal smoothness	●
Current power/Avg. power/Max. power	●
Power – %FTP	●
Power 3/10/30 sec. – Avg.	●
Power – intensity factor®	●
Power in KJ/watts/KG	●
Normalized Power®	●
Training Stress Score®	●
Power zones/power graph	●
Torque effectiveness (–%/–%)	●
ROTOR power meter (OCA/OCP)	●

E-BIKE FUNCTIONS	
Range/e-bike battery	●
Support (watts)	●
Human power vs. motor power	●
Support level	●
Gear indicator	●
Light	●
E-bike total distance/total time	●

INDOOR TRAINER FUNCTIONS	
Trainer resistance/mode/target power	●

AUTOMATIC LAP FUNCTIONS (TIME- OR DISTANCE-BASED)	
Number	●
Lap time	●
Distance	●
Avg. speed/Max. speed	●
Calories	●
Avg. altitude/Max. altitude	●
Altitude uphill/downhill	●
Altitude	●
Avg. incline/decline	●
Avg. rate of ascent/descent	●
Avg. balance	●
Avg. power/Max. power	●
Normalized Power®	●
Avg. cadence/Max. cadence	●
Avg. heart rate/Max. heart rate	●
Pedalling time/Pedalling index	●
Automatic lap list	●

MANUAL LAP FUNCTIONS	
Number	●
Lap time	●
Distance	●
Avg. speed/Max. speed	●
Calories	●
Avg. altitude/Max. altitude	●
Altitude uphill/downhill	●
Avg. incline/decline	●
Avg. rate of ascent/descent	●
Avg. balance	●
Avg. power/Max. power	●
Normalized Power®	●
Avg. cadence/Max. cadence	●
Avg. heart rate/Max. heart rate	●
Pedalling time/Pedalling index	●
Lap list	●

NAVIGATION FUNCTIONS	
Time to destination/ETA	●
Distance to destination	●
Heading/Turning guidance	●
Track navigation	●

ELECTRONIC SHIFTING	
Battery status	●
Front gear (chain ring)	●
Gear ratio	●
Rear gear	●
Di2 shifting mode	●

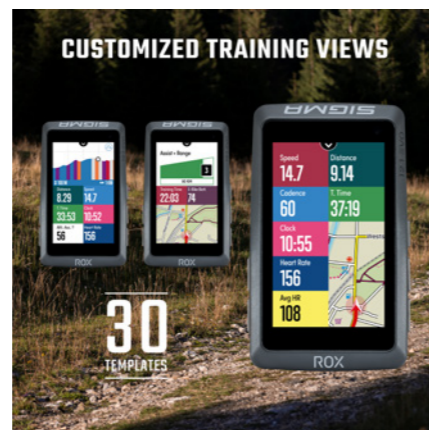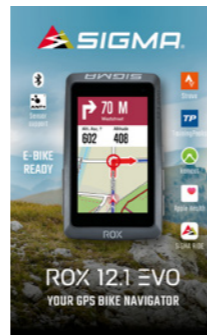| STATUS FUNCTIONS	
Current temperature	●
Min. temperature/Max. temperature	●
GPS accuracy	●
Device battery status	●
Air pressure	●

SALES SUPPORT

HIGH-QUALITY PRODUCT DISPLAY

A ROX 12.1 EVO to handle. The high-quality product display gives your customers an initial impression of the ROX 12.1 EVO. It is simply hooked into the product panel – fits into any slat wall or perforated wall. Can be ordered from wholesale or the sales office.

COUNTER DISPLAY

TRAINING VIDEO AND HANDOUT

Our training video and handout for the ROX 12.1 EVO are the perfect preparation for the first sales talk. The most important sales arguments and relevant FAQs are explained briefly and clearly. The training handout can be ordered from the sales office.

Watch the training video now:
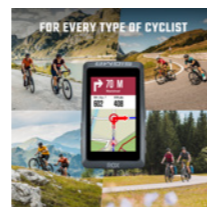goto.sigmasport.com/rox-12-1-evo-training-en

ONLINE SHOP ASSETS

We supply you with extensive product data for your online shop so that your customers are fully up-to-date while deciding whether or not to buy a ROX 12.1 EVO.

✓ Product description
✓ Product and application pictures
✓ Product video

Download here:
goto.sigmasport.com/rox-12-1-evo-assets-en

ORDER

BASIC

SET

Available in these colours:
● NIGHT GRAY, Art. No. 01040
○ WHITE, Art. No. 01041

RRP: €379.95
ROX 12.1 EVO Basic scope of delivery
Bike computer, Long Butler GPS, GPS mount,
attachment material, USB-C cable, strap, quick-start instructions

Available in these colours:
● NIGHT GRAY, Art. No. 01042
○ WHITE, Art. No. 01043

RRP: €479.95
ROX 12.1 EVO SET SCOPE OF DELIVERY
Bike computer, Long Butler GPS, GPS mount,
R1 DUO transmitter + chest strap, Duo Magnetless Speed, Duo Magnetless Cadence,
Attachment material, USB-C cable, strap,, quick-start instructions

ACCESSORIES

00463 GPS MOUNT RRP: €10.95	**00472** LONG BUTLER GPS RRP: €21.95	**00500** OVERCLAMP BUTLER GPS RRP: €21.95
20331 R1 DUO HR TRANSMITTER RRP: €54.95	**20332** R1 DUO TRANSMITTER + CHEST STRAP RRP: €64.95	**20318** COMFORTEX + CHEST STRAP RRP: €19.95
20335 DUO MAGNETLESS SPEED RRP: €37.95	**20336** DUO MAGNETLESS CADENCE RRP: €37.95	**18460** USB-C CABLE RRP: €7.95

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Then sign up for our retailer newsletter by writing to:

Newsletter registration:
bit.ly/40EitVk

ROX 12.1 EVO SERVICE HOTLINE
+49 (0) 6321-9120-118

www.sigmasport.com