

EN

ROX

12.0 SPORT

FULL MANUAL



SIGMA[®]
G E R M A N Y

www.sigmasport.com

ROX 12.0 SPORT

Foreword:

Thanks for selecting ROX 12.0 SPORT as your new Bike Computer.
This is the full manual, to give you a detailed overview of the functions.



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1. BUTTON FUNCTIONS

The ROX 12.0 SPORT has a touch display, which you can use for almost any function or setting.

Functions like power on/off to start or stop the training and returning to the **home screen** can be operated by the buttons, only.

An overview of the button functions is listed below:



2. FIRST WAKE UP

To switch on the ROX 12.0 SPORT you must push the **power button for about 3 seconds**. The display will light up and you can see the boot screen.

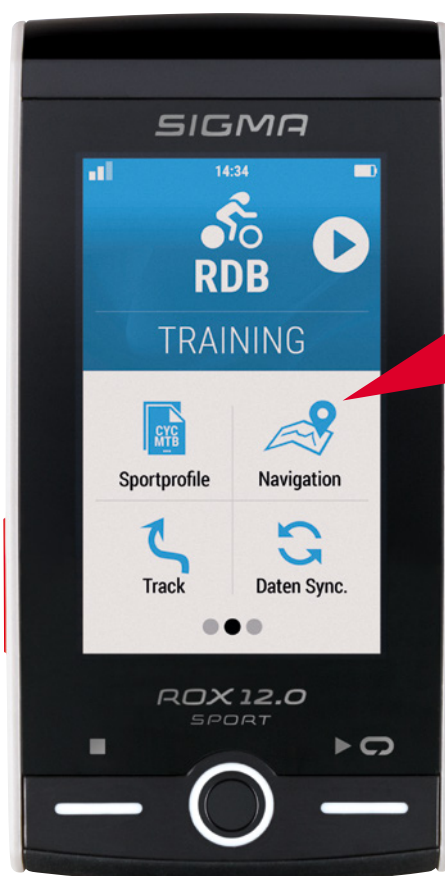
NOTE:

In case the ROX 12.0 SPORT does not start, please charge it first!

The ROX 12.0 SPORT will start with a step by step first wake up sequence. Follow the steps to set up the most important settings.

It is highly recommended to add your home WiFi. If connected, the ROX 12.0 SPORT can automatically upload your training or check if there is a new update available.

Once you have finished the first wake up settings, you will get a short instruction on how to use the ROX 12.0 SPORT. Please pay attention, to learn basics functions.

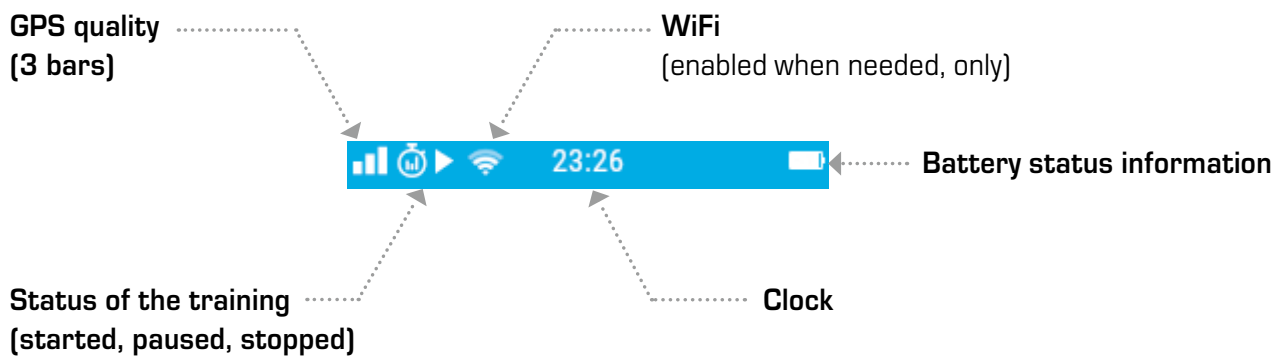


All settings are done, and you will see the home screen now.

3. SCREEN OVERVIEW

3.1 STATUS BAR

You can see the following elements in the status bar:

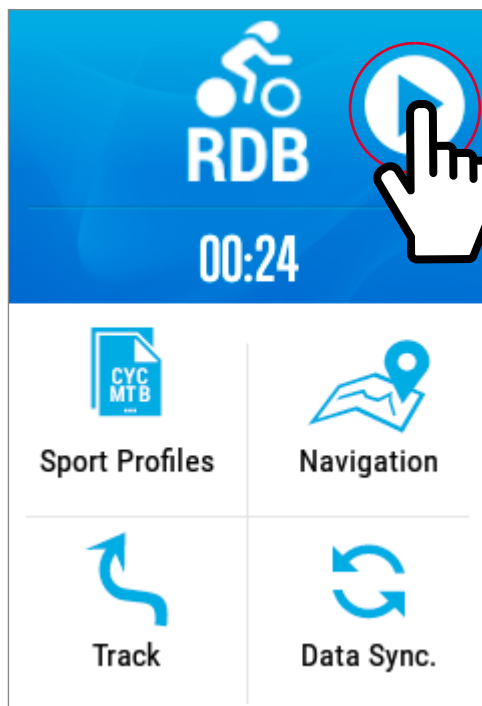


3.2 HOME SCREEN

The upper part is showing the active sport profile.

To enter the training, please push the play button on the display.

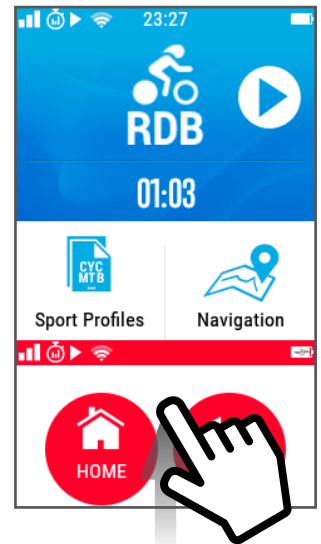
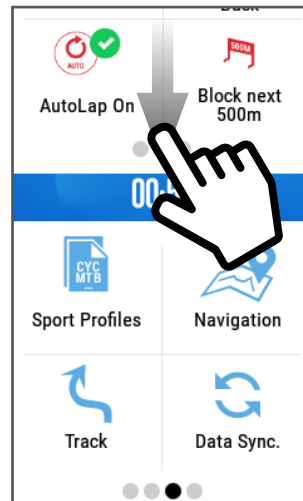
In the lower part you will find the main menu with different menu items. You can enter each one with a single touch



3.3 SWIPING GESTURES (SUB-MENU)

Beside the main menu, the ROX 12.0 SPORT supports short cut menus, where you can find all important settings.

Please swipe **from top to bottom**, to open this menu. If you swipe **bottom-up**, the navigation short cut menu will appear.

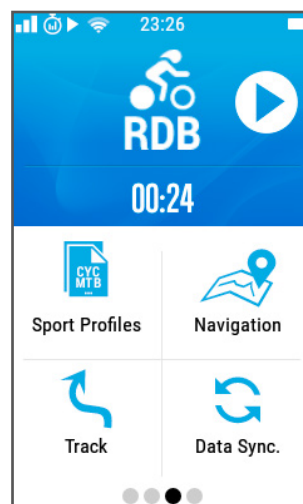


4. HOME SCREEN

If you are a smartphone user, you know the home screen already. The ROX 12.0 is working in the same way. You can adjust your settings and once you are done, simply push the home button to return to the home screen. No need to push push the back button multiple times.

4.1 HOME SCREEN OVERVIEW

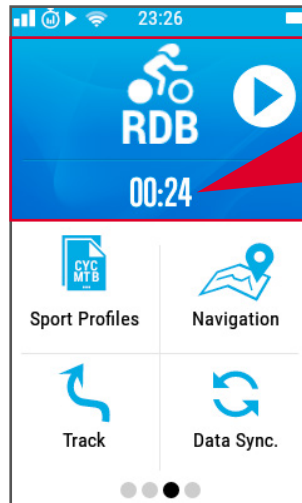
On the home screen you will find the following menu items



4.1.1 OPEN TRAINING MENU

To open the training menu you simply have to push the play button in the colored area of the home screen. Here you can customize the training views to fit them to your needs.

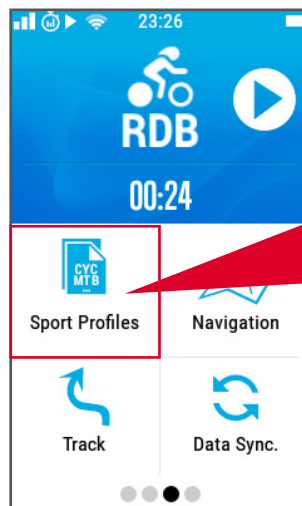
Please check **page 17 sport profiles** for detailed information).



Here you can see the training time, if there is an ongoing training.

4.1.2 SPORT PROFILE SELECTION

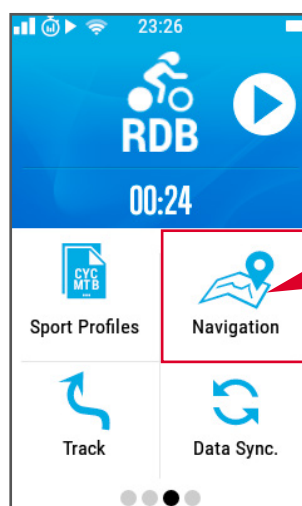
To learn more about sport profiles, please check **chapter 4.3.1**. If you would like to modify your sport profile, please go to "settings ► sport profiles".



If you would like to change the sport profile, please select the "sport profile" button on the display.

4.1.3 NAVIGATION

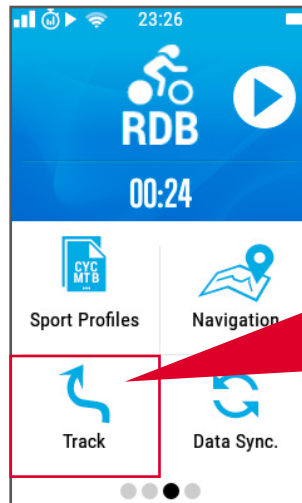
Simply enter a destination or create a route with multiple stops. To get more insides, please check **chapter 5**.



Here you can select different options to create a route.

4.1.4 TRACK

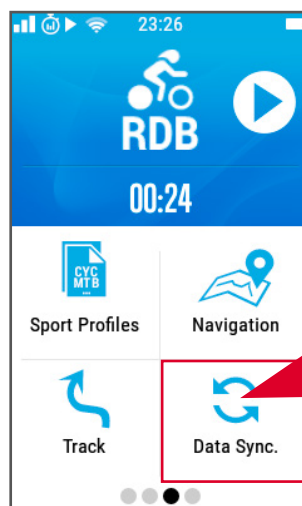
Further details about how to create and transfer tracks can be found in **chapter 6**.



All tracks which have been imported from the DATA CENTER, will be found here.

4.1.5 DATA SYNC.

This is an overview page, to see the current sync status.



If you enter this menu item, the ROX 12.0 SPORT will automatically enable WiFi, to be able to sync the data.

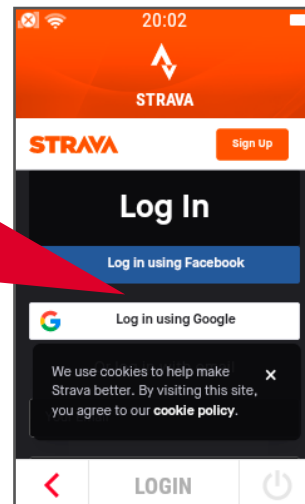
4.2 OVERVIEW 3RD PARTY INTEGRATION

If you would like to use the 3rd party service, you have to login first. If you do not have an account, you have to register first.

4.2.1 STRAVA

The ROX 12.0 SPORT has a full integration of Strava. Strava Summit users can sync their starred preferred segments as well their planned routes.

Login page of Strava

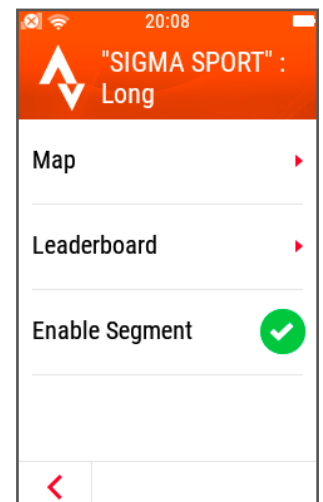
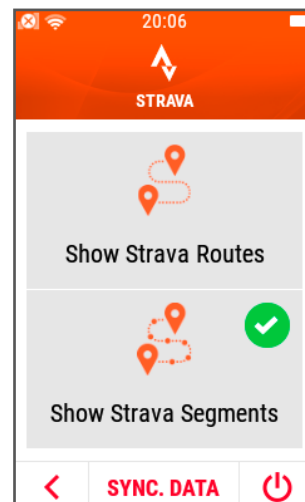


STRAVA ROUTES AND STRAVA LIVE SEGMENT DETAILS:

To sync the Strava segments, you must go to the Strava website to mark them with a star. If a Segment is marked, it will be synced automatically.

You can sync up to 100 Segments. If you select a Strava route, the ROX 12.0 SPORT will automatically add turn by turn guidance. You will have the same features as if you plan a route on the ROX 12.0 SPORT itself.

If you are logged in, all rides will be automatically uploaded to Strava (available WiFi connection is required).



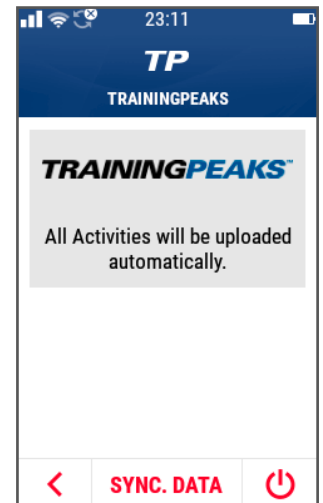
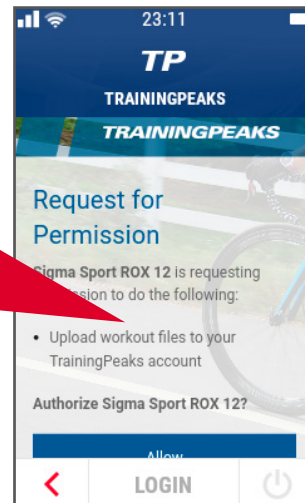
NOTE:

If a segment is tagged as "dangerous", it won't be synced! The judgment of the segment will be done by Strava.

4.2.2 TRAININGPEAKS

If you are logged in with your account, all rides will be uploaded automatically afterwards.

Login
TrainingPeaks

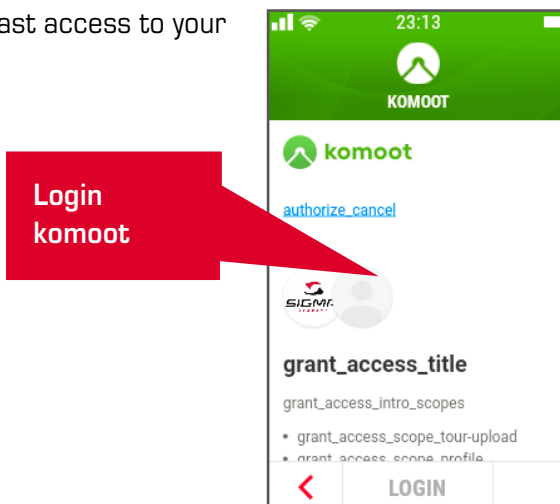


NOTE:

If you login to TrainingPeaks, all rides from the past will be uploaded as well.

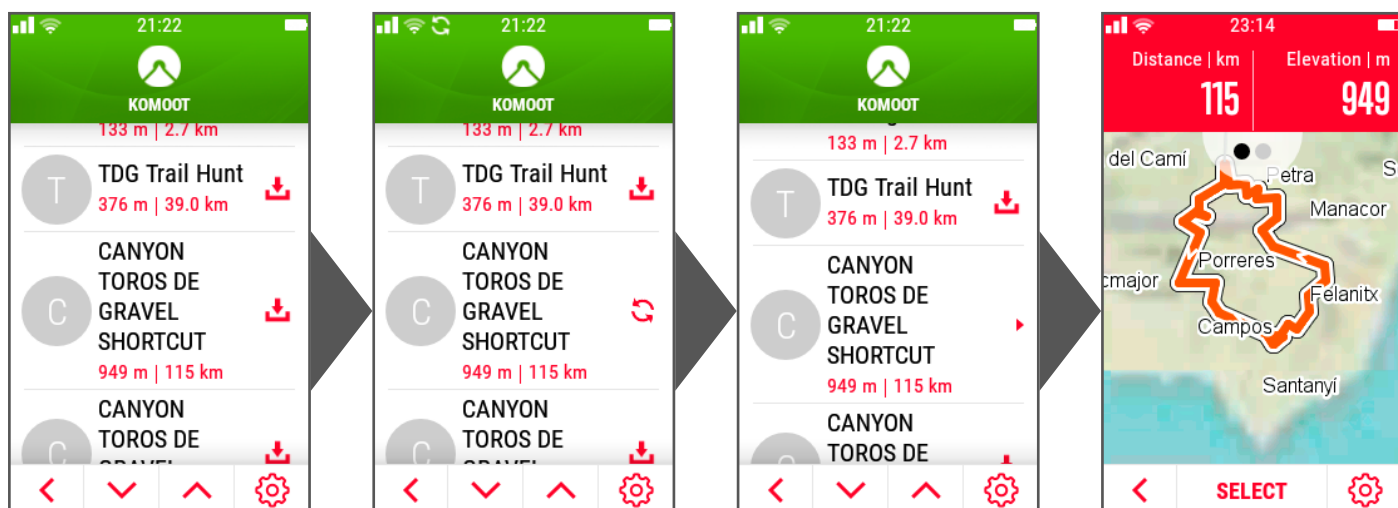
4.2.3 KOMOOT

The komoot integration will give you fast access to your planned komoot routes.



Once you are logged in, you will have access to all planned routes.

This list will contain the **header information** only. If you would like to use a route as track, you must download it first. Once it is downloaded you can use it offline.

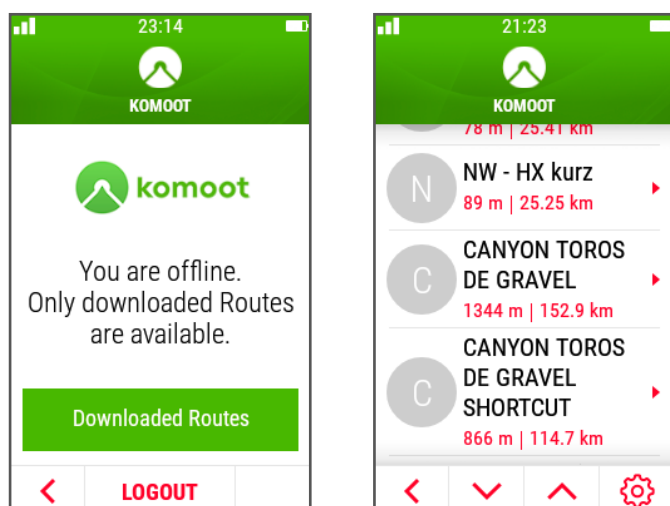


KOMOOT IN OFFLINE VIEW:

You can find detailed description of how to create a route on the komoot website.

NOTE:

If you are logged in, all finished rides will be shared to komoot as well.



4.2.4 DROPBOX

The Dropbox integration could help you to automatize your analysis workflow.

All finished rides will be uploaded to Dropbox. You can use the Dropbox Sync Tool to sync the .FIT files with your PC. Once synced, you can import the files directly to e. g. "Golden Cheetah" or similar analyzing tools.

NOTE:

We are using a Dropbox app, which is not supporting the same sharing features like other Dropbox folders (January 2020).



4.3 OVERVIEW: SETTINGS, WORKOUT, MEMORY

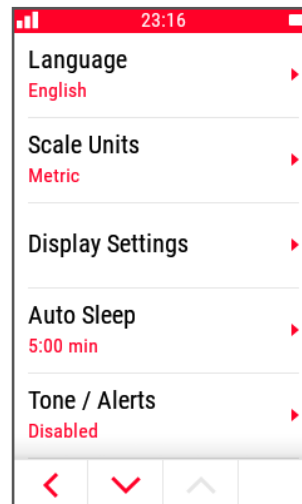
4.3.1 SETTINGS

All device settings can be found here.

Below you will find an overview of the settings:

A. DEVICE:

All device specific settings can be found here, I e. g. display settings.



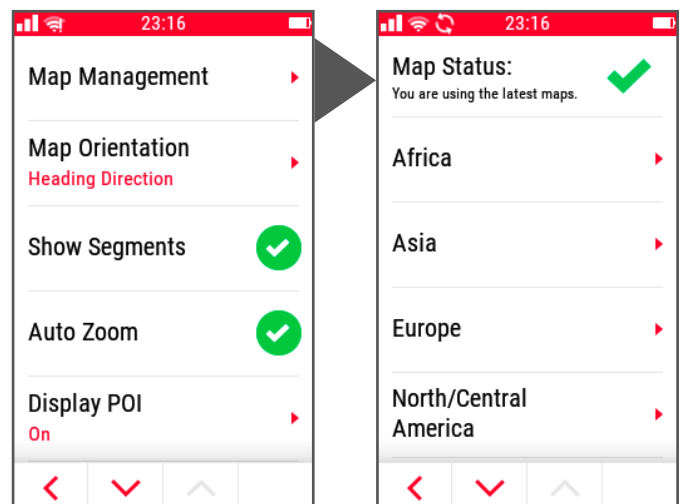
B. MAP:

The ROX 12.0 SPORT has a unique feature. You can manage your maps on the ROX 12.0 SPORT itself. You don't need a PC or any further tools. Simply connect it to WiFi and enter the Map menu.

NOTE:

Check if your maps are still the latest.

You can check it in the map management. If there are updates available, we recommend to download only the maps needed.



4.3.1 SETTINGS

B. MAP:

You can find maps for all over the world.
Following maps are available:

AFRICA:

- Algeria
- Egypt
- Libya
- Mauritius
- Mayotte
- Marocco
- Namibia
- Reunion
- Seychelles
- South Africa
- Tunisia
- Zambia
- Zimbabwe

ASIA:

- Armenia
- Azerbaijan
- Bahrain
- China
- Georgia
- India
- Indonesia
- Iran
- Iraq
- Israel
- Japan
- Kazakhstan
- Kyrgyzstan
- Lebanon
- Malaysia
- Nepal
- Philippines
- Qatar
- Saudi Arabia
- Singapore
- South Korea
- Taiwan
- Thailand
- United Arab Emirates
- Uzbekistan
- Vietnam

EUROPE:

- Germany
- Albania
- Andorra
- Austria
- Belarus
- Belgium
- Bosnia and Herzegovina
- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Gibraltar
- Greece
- Hungary
- Iceland
- Ireland
- Italy
- Kosovo
- Latvia
- Liechtenstein
- Lithuania
- Luxembourg
- Malta
- Moldova
- Monaco
- Montenegro
- Netherlands
- North Macedonia
- Norway
- Poland
- Portugal
- Romania
- Russia
- San Marino
- Serbia
- Slovakia
- Slovenia

- Spain
- Sweden
- Switzerland
- Turkey
- Ukraine
- United Kingdom
- Vatican City

NORTH/CENTRAL AMERICA:

- United States of America
- Bahamas
- Belize
- Canada
- Costa Rica
- Cuba
- Dominican Republic
- El Salvador
- Guadeloupe
- Guam
- Guatemala
- Haiti
- Hawaii
- Honduras
- Jamaica
- Martinique
- Mexico
- Newfoundland and Labrador (Kanada)
- Nicaragua
- Panama
- Puerto Rico

OCEANIA:

- Australia
- New Zealand

SOUTH AMERICA:

- Argentina
- Bolivia
- Brazil
- Chile
- Colombia
- Ecuador
- Falkland Islands
- French Guiana
- Guyana
- Paraguay
- Peru
- Suriname
- Uruguay
- Venezuela

NOTE:

You can add and remove maps on your ROX 12.0 SPORT, at any time.

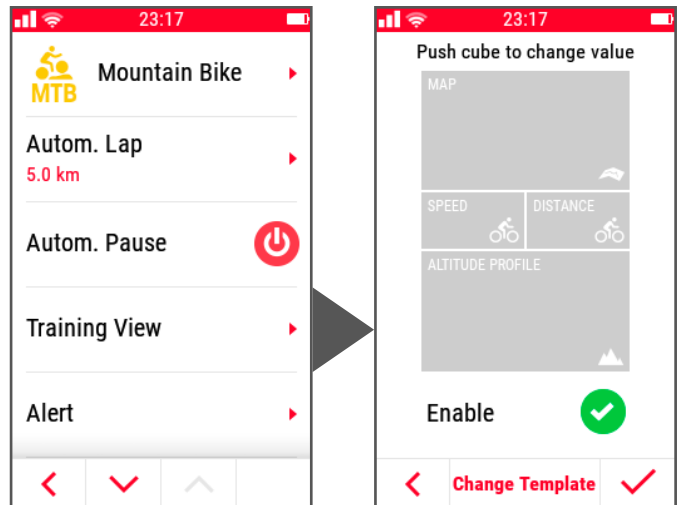
4.3.1 SETTINGS

C. SPORT PROFILES:

The sport profile contains all important settings for the training, e. g. the **training views**.

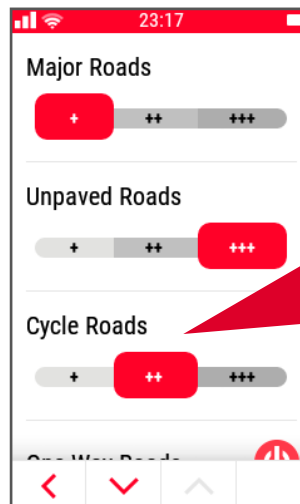
You can customize the training views to fit to your needs for each sport profile. As there are different preferences for each discipline, you can adjust the profile according to your needs. You can change between set-up sport profiles within seconds.

The current sport profile selection is displayed on the home screen. By selecting a sport profile, all settings will be changed in accordance with your pre-selections.



Additionally you can adjust the **routing profile** to your preferences.

There are default setting, based on the common requirements, e.g. roads for road bikers and mainly trails for mountain bikers.



If you would like to modify them, you can do it in the sport profile settings.

You can find important settings like avg. cadence and avg. power calculation in the sport profile settings as well.

Below you can find an overview of all settings:

- **Name of the sport profile**
- **AutoLap**
- **AutoPause (on/off)**
- **Training View**
- **Alerts**
- **Bike Settings**
- **Avg. Calculation**
- **Power Zones**
- **Intensity Zones**
- **GPS/GLONASS (on/off)**
- **Routing Options**

NOTE:

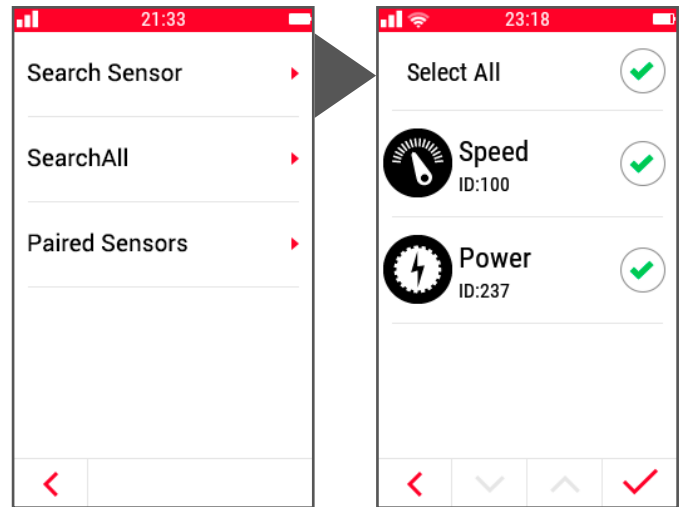
You can add as many sport profiles as you need. The free storage space is the limit.

4.3.1 SETTINGS

D. CONNECT SENSOR:

The ROX 12.0 SPORT is using a list of known sensors. You don't have to assign it to a specific bike. You don't even have to care about how to connect sensors during the training.

Simply start your ride and the ROX 12.0 SPORT will take care of connecting the right sensors. All values provide by the sensor will be displayed on the ROX 12.0 SPORT.



The easiest way to search for your sensors is the option **“search all”**. You just have to make sure the sensors are activated. All active sensors will be displayed, and you can simply connect them all at the same time.

If you would like to double check the already paired sensors, just enter the menu **“paired sensors”**.



4.3.1 SETTINGS

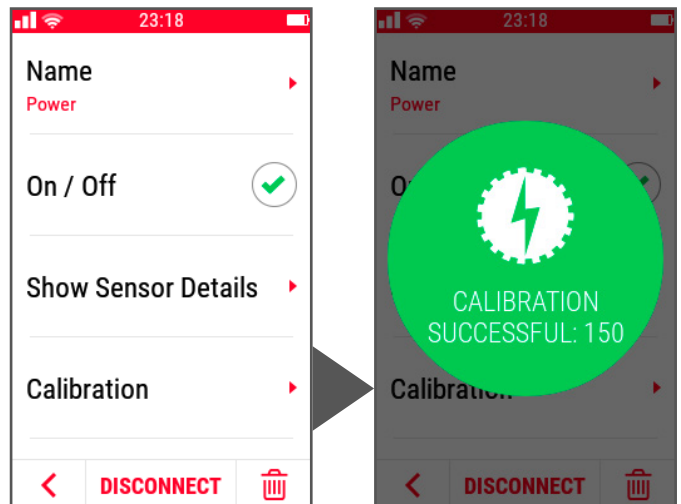
NOTE:

If you are using a power meter, you will find the options “Auto Zero Calibration” in the sensor details. You can start the calibration request here. If a power meter is connected you can find the same option in the short cut menu as well.

Some sensors are providing several details about the status of the sensor, like battery state of charge. If you want to check it, please check the sensor details as well.

The following ANT+ Profiles are supported:

- Speed
- Cadence
- Speed & Cadence Combo
- Heart Rate
- Power (PWR + CTF) – No Cycling Dynamics
- Shifting Profile – Di2, eTap, Campa EPS
- Shimano Di2
- Shimano STEPS
- LEV (E-Bike Profile)
- Remote
- Rotor Power Meter – incl. Values OCA/OCP



ROTOR

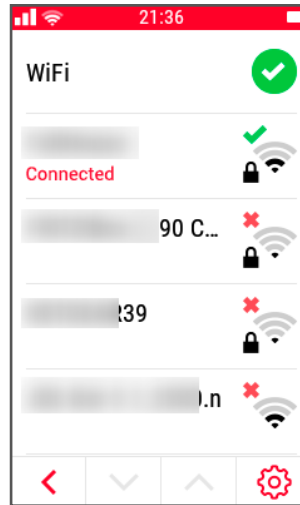
NOTE:

If you are using a ROTOR power meter, you must pair it as ROTOR power meter, otherwise the specific ROTOR values won't be shown on the ROX 12.0 SPORT.

4.3.1 SETTINGS

E. WIFI:

As WiFi is used for many cases, we highly recommend setting up the WiFi at the “first wake up” already.



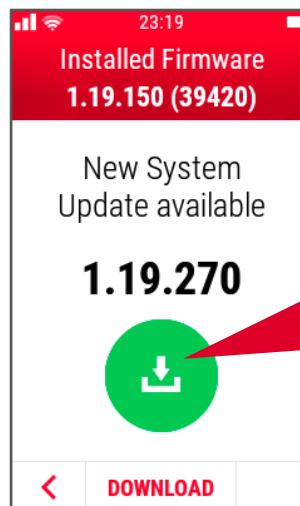
F. USER:

You can find all user related settings here. They are needed, for having a more accurate calculation of calories and to calculate your intensity zones.

G. FIRMWARE UPDATE:

Once the connection to your WiFi is established, the ROX 12.0 SPORT will regularly check, if there is a new update available. If you would like to check it manually, simply open the menu “**settings ► update firmware**”.

The ROX 12.0 SPORT will connect to the known WiFi and will check if there is a new update available.



H. RESET TO DEFAULT SETTINGS:

If you would like to reset your ROX 12.0 SPORT, use this menu.

IMPORTANT:

All personal data will be deleted! There is no way to restore them!

4.3.2 WORKOUT

ROX 12.0 SPORT offers the option to create structured workouts.

You can set up a workout fitting to your needs on the device itself. You can define a target and a target zone. Once you have reached the target, it will automatically start the next phase of the workout. If you prefer manual change, you can adjust it in the workout settings.

Basically, you have two types of phases: simple phase and interval phase.

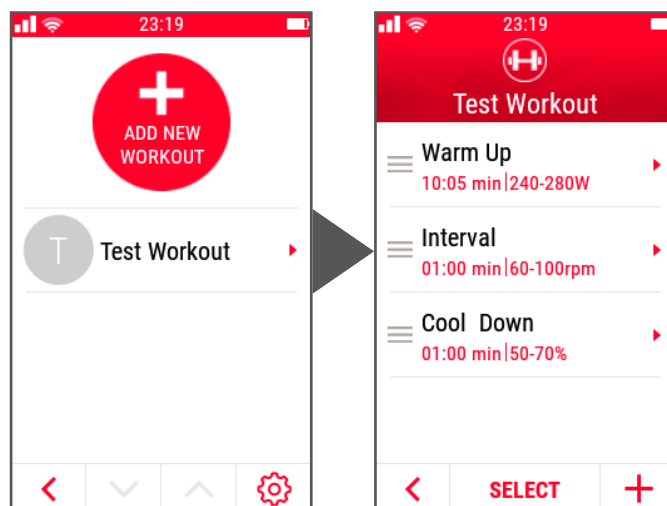
A simple phase does not have repetition or recovery. It is simply a target and optionally a target zone, you can set up.

If you would like to pre-define repetitions of trainingload and recovery section, please use the "interval phase". Alternating phases of training load and recovery will repeat until a defined number of repetitions is accomplished.

You can set up a workout with up to 10 phases.

NOTE:

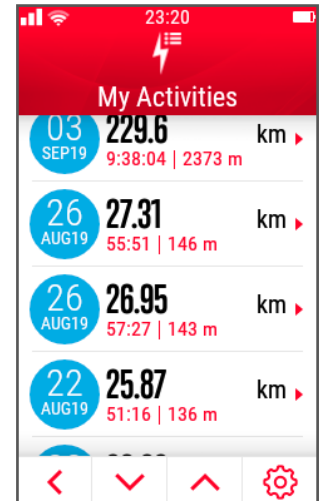
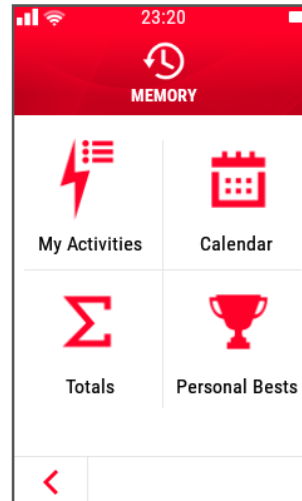
If you are not familiar with workouts, please consult a/your trainer.



4.3.3 MEMORY (TRAINING HISTORY)

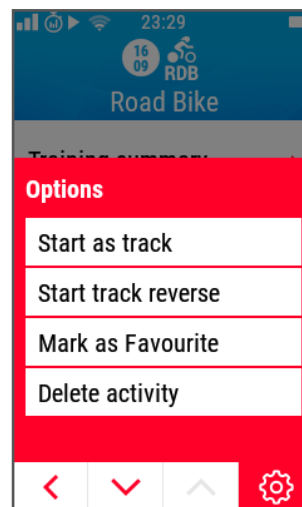
If you would like to have a look at your finished rides, you can find them in the menu item “memory”.

Beside the individual activities, you can find your personal bests as well your totals for each sport profile.



NOTE:

You can select an activity as a track and follow your previous route. You have two options. To follow it in the same direction or simply reverse it.



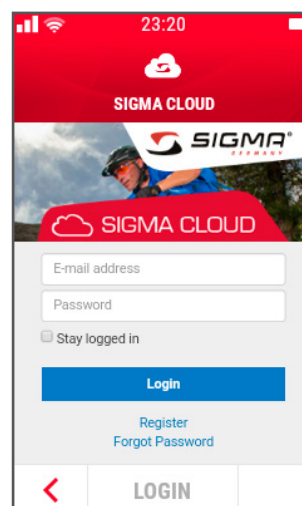
4.3.4 SIGMA CLOUD

We highly recommend using the SIGMA CLOUD.

The cloud is a sync tool, which helps you to synchronize all data between DATA CENTER, SIGMA LINK app and ROX 12.0 SPORT.

You can plan a route in your DATA CENTER and sync it with the SIGMA CLOUD. Next time you switch on your ROX 12.0 SPORT, simply start the data sync and all new routes or sport profiles will be transferred to your bike computer.

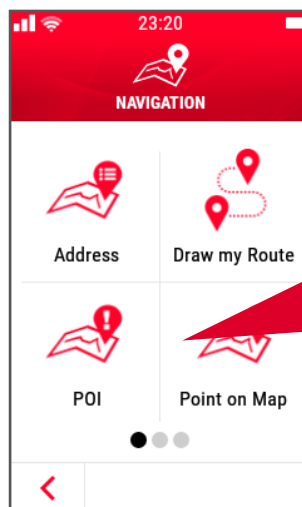
Once the routes are stored on your ROX 12.0 SPORT, there is no more WiFi connection needed.



5. NAVIGATION

Navigation is the centerpiece of ROX 12.0 SPORT. It offers many different options of creating a route.

You can use it in the simple way, by adding an address or a point on the map and start the ride. Or if you would like to create a route with several waypoints, you can do it as well.



You have the following options to start a navigation:

5.1 SINGLE POINT NAVIGATION

If you would like to navigate to a specific destination you have the following options:

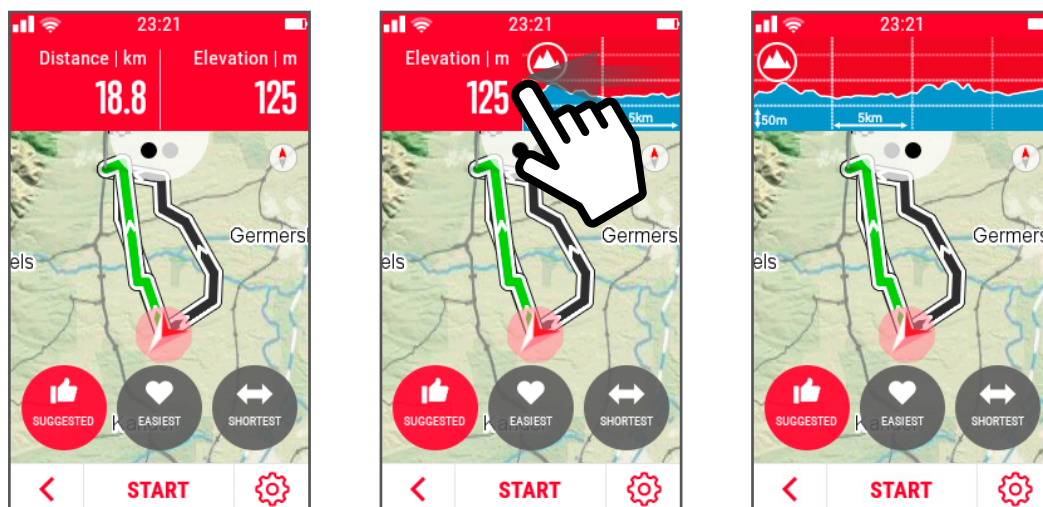
- **Address**
Easy entry of a specific address
- **POI (Point of Interest)**
You can choose a POI based on a category like gas station or cafe.
If you would like to search for a POI closeby, please select „Actual Position“.
- **Point on Map**
You can choose a single point or multiple points. Simply move the map and tap where you want to go
- **Recent**
Here you can see a list of recent used points
- **Favorites**
You can set “favorite” points in the short cut menu ► add point
- **Coordinates**
If you would like to visit a place without having an address, you can alternatively enter the coordinates.

After having selected one of the above, the destination will be added to a list automatically. If you don't want to add any other waypoints you simply have to select “**show route**”. As it is common for most navigation systems, the route will always start from your current position. There you have three different options:

- **Suggested**
Suggested route depending on the selected sport profile
- **Easiest**
Route with least altitude
- **Shortest**
Shortest possible route depending on the sport profile. Please be aware, that the shortest route could have significantly more uphill sections.

5.1 SINGLE POINT NAVIGATION

You will get the following overview:

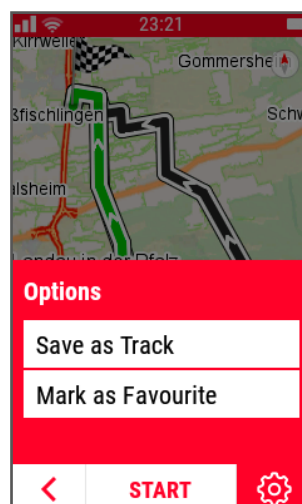


Beside the distance and altitude information you can see the altitude profile, when **swiping to the left side**.

If you tap on the map, it will be shown in full screen and you can move the map to check the details of the route.



Further you have the **options** to save the route as a track or save it as a favorite.

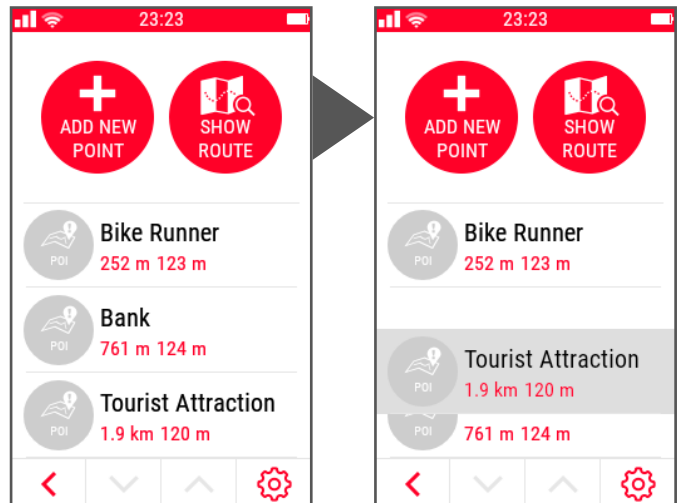


5.2 MULTIPLE POINT NAVIGATION

The ROX 12.0 SPORT offers the option to create a route with multiple points.

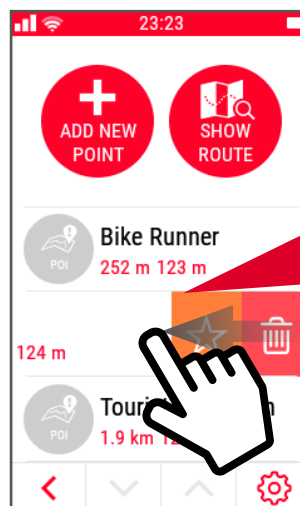
It is following the same steps as the single point route. Once you selected a point, you just have to add another one.

Beside a point, you can also add a track or an activity. You can create a new route out of an existing one.



A route can consist of up to 50 points.

You can change their order by holding an entry and move it up or down.



If you would like to delete individual points/point, **simply swipe from right to left.**

The following options are available in the context menu:

- **Delete All**
Delete all entries
- **Delete Selection**
Select those entries you would like to delete.
- **Reverse**
You can reverse the whole order of points and get the route in the opposite direction.
- **Routing Options**
You can modify the routing options for this single ride. The settings won't affect the general routing options of the sport profile.

Once you are ready with adding waypoints, simply push the button „**Show Route**“.

You will see an overview of your route including the distance and altitude profile. Your actual position is the starting point of the route you created.

NOTE:

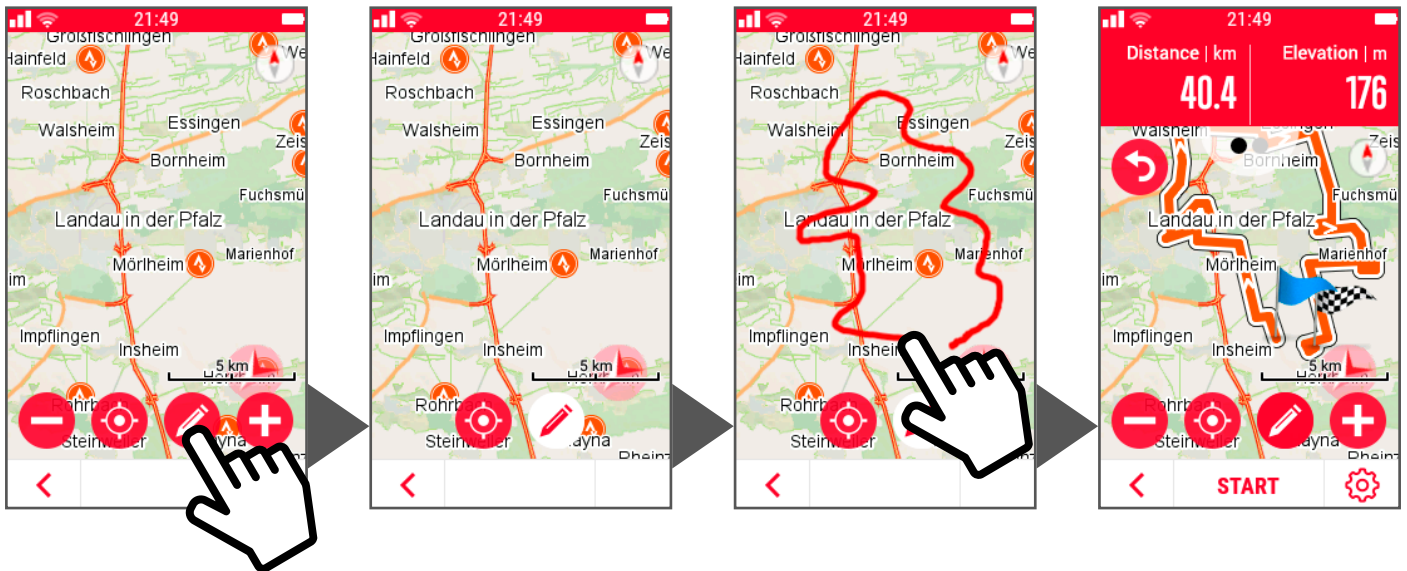
If the distance to the starting point of the route is longer than 300 km, the ROX 12.0 SPORT won't calculate the route and will show an error message.

If you want to plan a route for your holidays or for your training camp, we recommend using the **DATA CENTER**. Once you planned your routes, you can simply sync them via **SIGMA CLOUD (WiFi)** or transfer it via **USB** to the ROX 12.0 SPORT.

5.3 DRAW MY ROUTE

“Draw my Route” is a unique tool to generate a route. It is less about planning a route, but more about discovering new ways.

Choose the pen symbol, simply draw some lines or a circle on the map, and the ROX 12.0 SPORT will calculate a route. The route will be created based on preferences of the sport profile. It is the best way to discover new regions or even known areas.



5.4 START A ROUTE

If you are ready to start the route, simply push the “START” button on the display.

If the starting point is not close to your current position, the ROX 12.0 SPORT will automatically route you to the starting point. In this case the total distance could be longer than shown before.

Once the route or track is started, the ROX 12.0 SPORT will open the training view automatically. You will see the navigation screen. The map in this screen is fixed and can't be changed. The two values below the map can be changed.

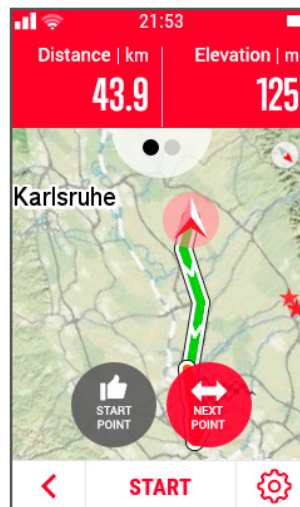
IMPORTANT:

You have to push the “start” button on the device to record your ride.

The navigation is working independently of the training record.

6. TRACK

Apart from the navigation, which is handled by the ROX 12.0 SPORT itself, you can also use pre-planned tracks for guidance.



NOTE:

Difference between track and route

The main difference between track and route is the re-routing behavior. If you are using a route, the destination is fixed, but the way how to get there can be flexible. If you leave the original route, the ROX 12.0 SPORT will automatically re-calculate a new route.

If you are using a track, the ROX 12.0 SPORT will try to keep you on the track. If you leave the track, the ROX 12.0 SPORT will guide you back to the track, as soon as possible. This will start with a request for a U-turn, as long as it is still considered best to return to the track. Simultaneously, ROX 12.0 is checking the distance to the closest track point.

IMPORTANT:

Before you start a track, you can select one of two options: starting point or closest point.

If you select the starting point, the ROX 12.0 SPORT will guide you to the starting point. If you are close to the track and you don't want to be guided to the starting point, you should select closest point. The ROX 12.0 SPORT will guide you to the closest point to your actual position.

6.1 HOW TO TRANSFER A TRACK TO THE ROX 12.0 SPORT

You have the following options to transfer a track to the ROX 12.0 SPORT:

- **Via DATA CENTER (USB - Connection)**
- **Via SIGMA CLOUD (WiFi)** -create a track in the DATA CENTER, save and sync it to the SIGMA CLOUD
- **Drag'n Drop to the folder "tracks"**
Connect the ROX 12.0 SPORT to your PC/MAC as mass storage device. Simply copy a .GPX file to the folder "tracks" on the ROX 12.0 SPORT. **Please make sure, you don't transfer corrupted /manipulated files to the ROX 12.0 SPORT, as it could cause a system crash!**
- **Via komoot**
You can sync your komoot routes, when you are connected to komoot
- **Via Strava**
You can sync your Strava routes, when you are connected to Strava

IMPORTANT:

If you want to follow a track, you select the track in the menu item "track" instead of navigation menu
Only in the track menu the ROX 12.0 SPORT will add turning guidance to the track.

6.2 WHERE CAN I FIND MY TRACKS?

All tracks coming from the SIGMA CLOUD, DATA CENTER or USB file transfer will be stored in "track".

If you have an extended list of tracks, you can go to the options to reorder the list. It is recommended to display the latest at the top.

IMPORTANT:

If you sync your komoot tracks, all tracks will be displayed in the menu of komoot. You can find more details in chapter 4.2.3.

If you sync your Strava routes, all routes will be displayed in the menu of Strava. You can find more details in chapter 4.2.1.

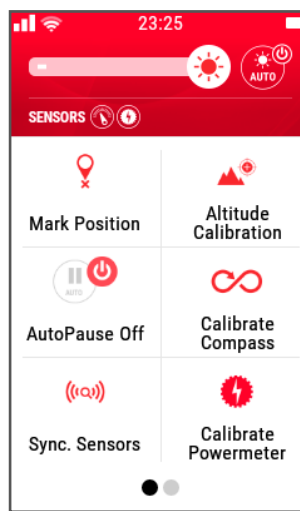
7. TRAINING

All current information about your training or route can be found in the training menu. If you are starting a navigation or you would like to follow a track, you will end in the training menu after you have made your selection.

NOTE:

You must push the “start” button to record your ride and you must push the “stop” button to finish recording your ride.

The most important settings can be found in the **short cut menu**. To open the menu, you have to swipe from top to bottom.



THERE IS NO ONGOING NAVIGATION, FOLLOWING ITEMS ARE AVAILABLE:

- Backlight Adjustment

To save battery it is recommended to use “auto” setting

- Mark Position

You can mark a position at any time. You can find them in your favorites

- Altitude Calibration

It is highly recommended to use the auto setting. Once the ROX 12.0 SPORT has GPS fixed, the altitude will be calibrated automatically. Please note, that the calibration will only be executed when the training is not started.

- Auto Pause

When you start or stop your tour, the recording will be started or stopped automatically.

- Calibrate Compass

- Sync Sensors

If a sensor is not found, please make sure it is activated. If yes, push “sync sensor” to start the search for the known sensors again

- Strava Live Segment (ON/OFF)

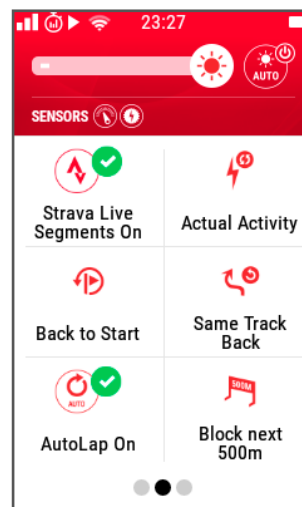
- Zero Offset Calibration

If your power meter is connected, you can perform the zero-offset calibration

7. TRAINING

WHILE NAVIGATION IS ACTIVE YOU CAN FIND THE FOLLOWING ITEMS:

- **Actual Activity**
You can find all important values of the ongoing training here
- **Back to start**
- **Same Track back**
- **Automatic Lap (ON/OFF)**
- **Block next 500m**
- **Turning List**
- **Turning Guidance (ON/OFF)**
- **Cancel Navigation**
- **Previous Waypoint**
- **Next Waypoint**



7.1 BEFORE YOU START YOUR TRAINING

When you enter the training menu, the ROX 12.0 SPORT will automatically search for known sensors. Please make sure, the sensors you would like to connect are activated. You can double check if the sensors are connected by opening the short cut menu.

The ROX 12.0 SPORT will calibrate the altitude, as soon as GPS is available.

If you are using a power meter, it is recommended to perform the “Zero Offset” calibration. To start the calibration, you simply have to open the short cut menu and push “**Zero Offset**”.

Once you have done all your settings, simply push the “**start**” **Button** to start the training and record your data.

NOTE:

The altitude will be measured on the basis of air pressure. If there are fluctuations of the weather within a short period, it may have an effect to the altitude measurement.

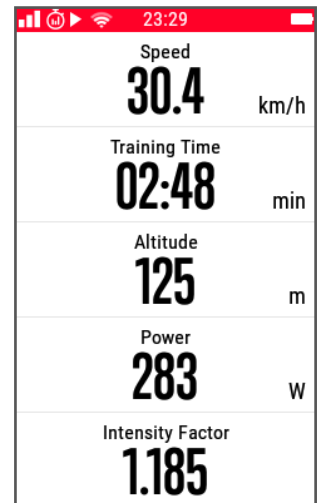
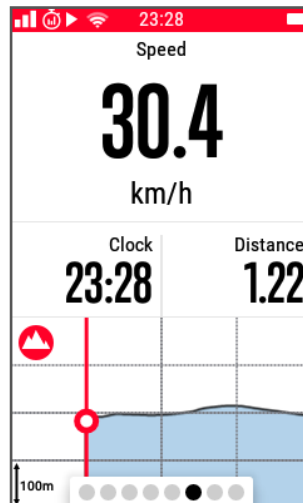
7.2 DURING THE TRAINING

Once you start the training, all data will be recorded. The ROX 12.0 SPORT will record all data, even those not displayed.

You may select the most important values during the training, only and go to a deeper analysis after the training with all data.

IMPORTANT:

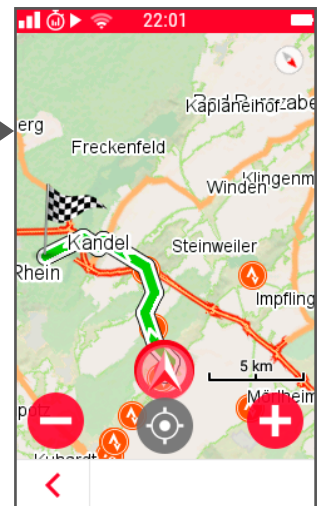
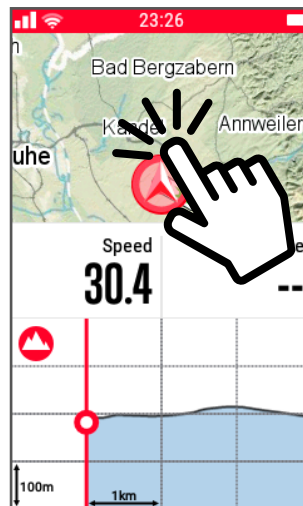
You can start a navigation at any time. Push the home button to go to the home screen. Here you can select a navigation or a track.



NOTE:

You can reduce the map to a small cube in the training view. If you would like to enlarge the map temporarily, simply tap on the map. The map will be shown in full screen for 10 seconds. You can have a closer look and afterwards the full screen will be closed automatically.

You can change the zoom level as well. The selected zoom level will be kept until you change it again.



You have the same function for the altitude profile as well. Just tap on the altitude profile to adjust the zoom level or take a detailed look. It is very easy to change functions in the training view. Just push and hold the value you would like to replace. The submenu will open and the categories of the different values will be shown. Select the one you would like have on display.

Please take note, that a graphic function is not fit for a small cube.

7.2 DURING THE TRAINING

STRAVA DURING THE TRAINING

If you are using Strava Summit, you can sync your favorite Strava live segment to the ROX 12.0 SPORT. They will be displayed, once you are close to the segment.

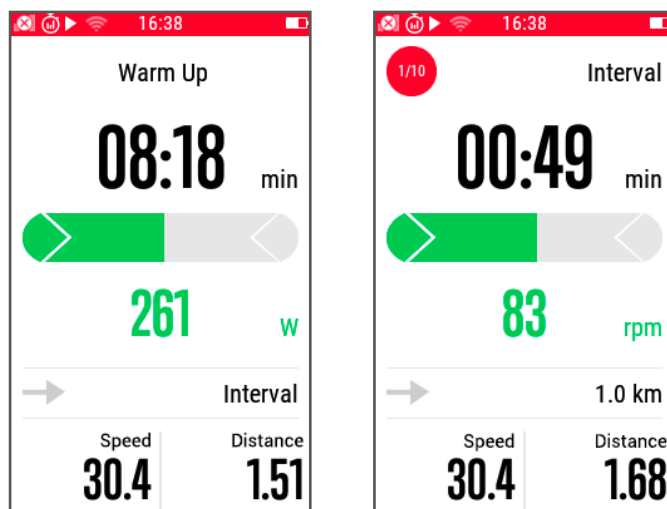
Once you start the segment, it will show a live comparison with, e. g. the KOM time. **To change the comparison, you can swipe to the left side.**

WORKOUT DURING THE TRAINING

If you select a workout, the workout screen will be enabled automatically.

You will see all important information about the selected workout. The phase you are in as well as the target and target zone of the phase are shown.

If you select an automatic phase change, the ROX 12.0 SPORT will start the next phase once you have reached your personal target. When using manual phase change, you have to push the right-side button and hold it until the phase has changed.



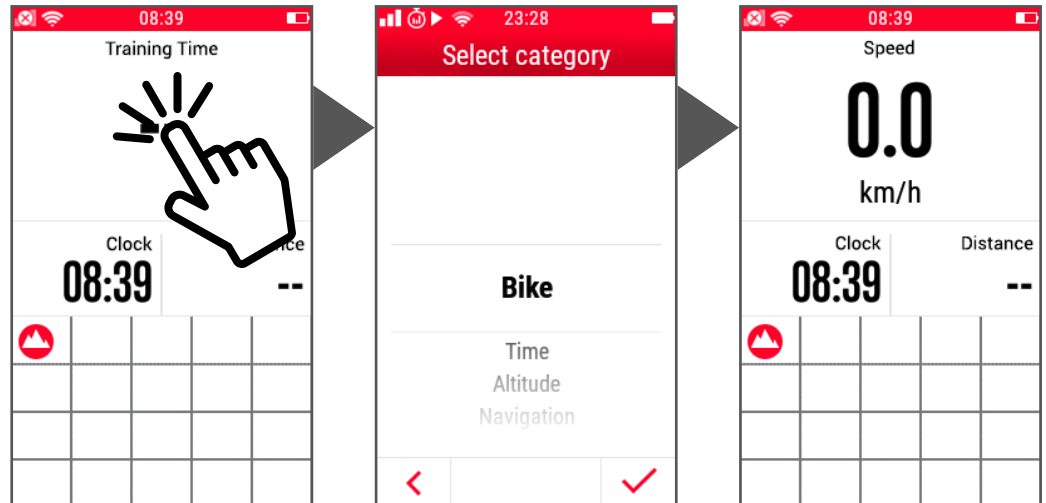
If an interval phase is selected, you can see the number of finished intervals in the upper left corner.

7.2 DURING THE TRAINING

CHANGE VALUES DURING THE TRAINING

If you would like to replace a value which is displayed, you have to push and hold the value you would like to replace for 2 seconds. It will open the menu where you can select the new value you would like to display.

Please note, graphic functions requires a minimum size to be displayed.



7.3 AFTER THE TRAINING

After finishing and saving your ride, the ROX 12.0 SPORT will automatically try to upload it to the services you are currently logged in with (SIGMA CLOUD, Strava, TrainingPeaks, komoot, Dropbox). If you sync your data via WiFi, there is no need to connect it to your PC anymore.

If you would like to take a look at the summary of the ride, go to the memory menu and select the ride. Here you can find the most important values as well as some charts.

8. SPECIFICATIONS

- **Dimensions:** 115 x 60 x 17 mm (length x width x height)
- **Wight:** 125 g

RF Interface	Frequency Range	Maximum RF output power:	Number of channels:
WLAN EU/ETSI	2402 - 2483 MHz	17.7 dBm	13
WLAN North America/FCC	2402 - 2473 MHz	17.7 dBm	11
Bluetooth	2400 - 2483 MHz	8.5 dBm	79
Bluetooth Low Energy	2400 - 2483 MHz	2.5 dBm	40
ANT+	2403 - 2480 MHz	2.3 dBm	77
GPS	1575.42 MHz	N / A (receiver only)	N / A
GLONASS	1602 MHz	N / A (receiver only)	N / A
R1 ANT+ / BLE	2.4 GHz / 2.4 GHz	-6.31 dBm / 3.04 dBm	N / A
R2 ANT+ / BLE	2.4 GHz / 2.4 GHz	0.85 dBm / 3.81 dBm	N / A

Ambient temperature

	ROX 12.0	R1 DUO	R2 DUO
Temperature range	-10°C - + 60°C	-5°C - + 50°C	-10°C - + 60°C
Charging temperature range	0°C - +50°C	-	-

9. LEGAL DISCLAIMER

HOW TO USE THE NAVIGATION

IMPORTANT:

Do not operate the device while riding and always pay attention to your environment in order to recognise dangers in good time. Enter your destination before starting your ride to ensure a safe journey. Always follow the local signboards and follow the traffic rules.

Rely on your own knowledge when there are discrepancies between the proposed route and the local conditions. If a route has been affected by environmental factors or the like, evaluate whether it can still be safely used.

GPS NOTE

The performance of the device is limited under certain circumstances. Thus, devices can use the terrestrial broadband network, which negatively affect the reception quality.

OSM MAPS

The maps are up-to-date at the time of manufacture. However, it may happen that already known roads, paths, house numbers, etc. are not included. This is not a mistake, it happens because the road network is in a permanent state of flux. The navigation is based on the maps of Open Street Map (OSM). OSM is a non-profit internet project. The strength lies in the fact that everyone can work on improving the quality.

UPDATES

The ROX 12.0 SPORT and the installed maps can be updated. To perform an update, a WiFi connection must be available. Since individual updates can take some time, it is advisable to carry out the update while loading the ROX 12.0. SPORT

MORE INFORMATION

More information can be found here: www.sigma-qr.com

GUARANTEE, WARRANTY, LEGAL DISCLAIMER

We are liable to our contracting partners for defects in line with legal provisions. The warranty does not extend to batteries. In the event of a warranty claim, please contact the retailer from whom you purchased your bike computer. You can also send your bike computer, together with your receipt and all accessories, to the address below. Please ensure you pay sufficient postage.

SIGMA-ELEKTRO GmbH

Dr.-Julius-Leber-Straße 15

D-67433 Neustadt/Weinstraße

Service-Tel. +49-(0)6321-9120-140

E-Mail: kundenservice@sigmasport.com

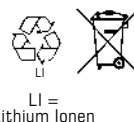
In the event of justified warranty claims, you will receive a replacement device.

You will only be entitled to the model available at the time of replacement.

The manufacturer retains the right to make technical modifications.

Batteries must not be disposed of in household waste (European Battery Law)!

Please take the batteries to an official collection point or to the retailer for disposal.



Electronic devices must not be disposed of in household waste.

Please take the device to an official waste collection point or to the retailer.



Before disposal, all relevant personal data must be deleted from the device.

EU DECLARATION OF CONFORMITY

We, SIGMA-ELEKTRO GmbH, Dr.-Julius-Leber-Str. 15, D-67433 Neustadt/Weinstraße, declare that the bike computer ROX 12.0 and the transmitters R1 Duo and R2 Duo, when used as intended, comply with the basic requirements of RED Directive 2014/53/EU and RoHS Directive 2011/65/EU.

The CE declaration can be found at: ce.sigmasport.com/rox12



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