



REMOTE 500 | VIEW 1200

OPERATING AND MOUNTING INSTRUCTIONS

Version: HEINZMANN 1.00



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EOX® REMOTE 500

1.1 Safety notes

Read the safety notes and the manual before putting the EOX® REMOTE 500 into operation! Improper use can cause damage of the component and/or injuries.

Save the safety notes and the manual for your future reference!

- Make sure not to be distracted by the EOX® REMOTE 500 during the ride! Do not be distracted by the LED indicator.
 During the ride you should not perform any operation other than changing the assist mode, changing the light,
 and changing the values display on the EOX® VIEW.
- Do not use the EOX® REMOTE 500 as a handle to lift up your E-Bike!
 This can lead to irreparable damage of the component.



1.2 Operation and display elements

- The EOX® REMOTE 500 has seven ergonomically designed buttons.
- The button backlight will be automatically triggered once the environment becomes dark.
- The LED bar consists of 9 RGB LEDs and provides feedback for different E-Bike specific information.





1.2.1 Battery level

- The LED bar of the EOX® REMOTE 500 shows the current level of your E-Bike's battery.
- Six levels are distinguished.
- Threshold values may vary slightly depending on the system.

Charging		Discharging	
	0 - 19 %		100 - 80 %
	20 - 39 %		79 - 60 %
	40 - 59 %		59 - 40 %
	60 - 79 %		39 - 20 %
	80 - 99 %		19 - 10 %
	100 %		9-0%

1.2.2 Assist Mode

- The EOX® REMOTE 500 indicates currently selected assist mode using the upper four LEDs of the status bar.
- Six assist modes are differentiated by color.



1.2.3 Error messages

- The EOX® REMOTE 500 shows error messages of your E-System.
- Four severity levels are distinguished.
- In case of any error message please contact your dealer.



1.3 Operation

1.3.1 Turn on the E-System

- To turn on your E-System long-press the POWER button of the EOX® REMOTE 500 (>2s).
- The LED bar of the EOX® REMOTE 500 turns on.
- If an EOX® VIEW 1200 is connected the display turns on automatically.



1.3.2 Turn off the E-System

- To turn off your E-System long-press the POWER button of the EOX® REMOTE 500 (>2 s).
- If an EOX® VIEW 1200 is connected the display turns off automatically.

1.3.3 Switch assist mode ———

- To switch to the next higher assist mode press the UP button briefly.
- To switch to the next lower assist mode press the DOWN button briefly.
- The color of the upper four LEDs of the LED bar changes according to the selected assist mode (see chapter 1.2.2).

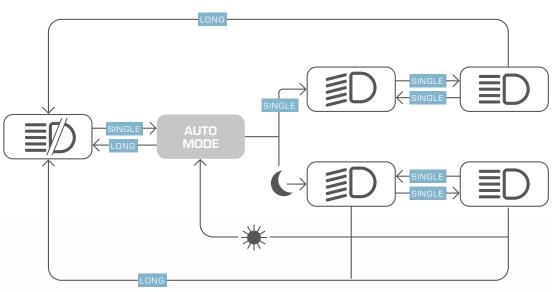




1.3.4 Switch light status

- By the integrated ambient light sensor the EOX® REMOTE 500 can control the light of your E-System automatically.
- The light status can always be switched manually
 by SINGLE and LONG pressing the LIGHT button.
- If the light is turned on you can press the LIGHT button to switch between low beam and high beam mode (in case your E-Bike light supports these modes).



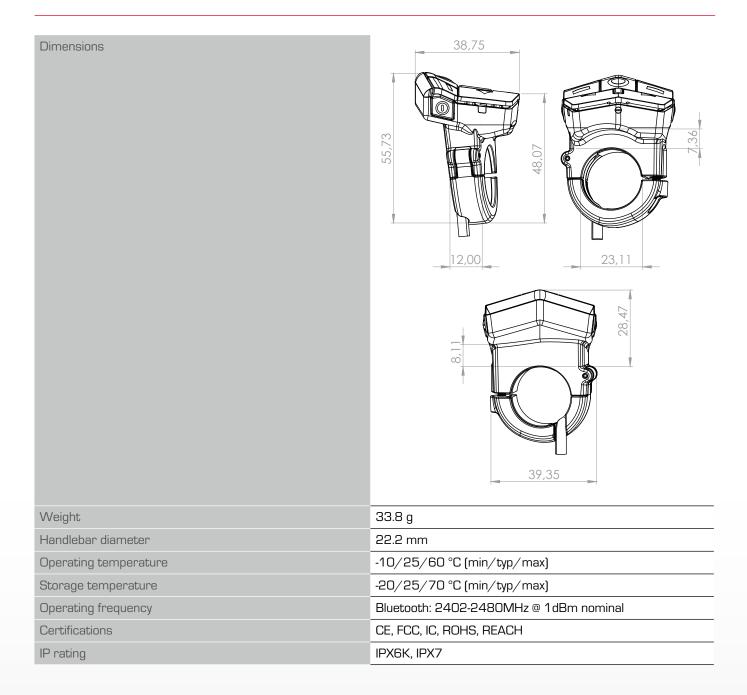


1.3.5 Remote control \equiv

- The functionality of the three remote control buttons (A, B, C)
 changes whether an EOX® VIEW 1200 is connected or not.
- With EOX® VIEW 1200 connected, the purpose of the three buttons is to remotely operate the display (see chapter 2)
- If no EOX® VIEW 1200 is connected, the three remote control buttons can be used to control the EOX® App (see chapter 4).



1.4 Technical information



1.5 Product care

- Do not use hot water in case the buttons are iced.
- Remove dirt carefully with water or a soft wipe.
- Do not submerse the product into water.
- Do not clean the product with a high-pressure jet.
- Avoid the contact with oils and greases.
- To celan the product below the big UP and DOWN buttons
 - remove the screw (A),
 - · pull out the buttons carefully from its guidance,
 - clean the case and the lower side of the buttons carefully,
 - mount the buttons and
 - tigthen the screw (A) carefully.

1.5.1 Transport and storage

- Protect the product from direct intensive solar radiation.
- Protect the product from extreme temperatures (see temperature specifications).
- Store the product dry and at room temperature during longer non-use.



1.6 Disposal

The EOX $^{\circ}$ REMOTE 500 should be disposed of in an environmentally correct manner. Do not dispose the EOX $^{\circ}$ REMOTE 500 into house-hold waste.



Only for EC countries

According to the European Guideline 2012/19/EU on waste electrical and electronic equipment as well as the European Guideline 2006/66/EC on batteries and accumulators, devices and batteries must be collected separately and disposed of in an environmentally correct manner.

CE Declaration of Conformity

We, SIGMA-ELEKTRO GmbH, declare that the equipment has been tested in our facility and found compliance with the requirement limits of applicable standards, in accordance with the RED Directive 2014/53/EU and the ROHS Directive 2011/65/EU and additional according to Directive (EU) 2015/883 to ament Annex II of the above mention Directive with 4 additional substances. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate under the standards herein specified.

You can find the CE declaration at: ce.sigmasport.com/eoxremote500



Federal Communication Commission Interference Statement

FCC ID: M5LR500B

Caution: If any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- [1] This device may not cause harmful interference, and
- [2] This device must accept any interference received, including interference that may cause undesired operation.

The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

The RF Exposure Compliance distance is 5 millimeters.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada Statement

IC: 7580A-R500B

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- [2] this device must accept any interference, including interference that may cause undesired operation of the device.

CAN ICES-3(B)/NMB-3(B)

Le présent appareil est conforme aux CNR Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) il ne doit pas produire de brouillage et
- (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fomctionnement du dispositif.

CAN ICES-3(B)/NMB-3(B)

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 5 millimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 5 millimètres entre le radiateur et votre corps.



EOXVIEW 1200

2.1 Safety notes

Read the safety notes and the manual before putting the EOX® VIEW 1200 into operation! Improper use can cause damage of the component and/or injuries.

Save the safety notes and the manual for your future reference!

- Make sure not to be distracted by the EOX® VIEW 1200 during the ride! Do not be distracted by the display.
 During the ride you should not perform any operation other than changing the assist mode, changing the light, and changing the values displayed.
- Do not use the EOX® VIEW 1200 as a handle to lift your E-Bike! This can lead to irreparable damage of the component.



2.2 Display elements



2.2.1 Battery level

The multifunctional area of the EOX® VIEW 1200 can show the battery level of your E-Bike.

Charging		Discharging	
	0 - 19 %		100 - 80 %
	20 - 39 %		79 - 60 %
	40 - 59 %		59 - 40 %
	60 - 79 %		39 - 20 %
	80 - 99 %		19 - 10 %
	100 %		9-0%

2.2.2 Assist Mode

The multifunctional area of the EOX® VIEW 1200 can show the currently selected assist mode.



2.2.3 Power

- The multifunctional area of the EOX® VIEW 1200 can show a visual comparison between human and motor power.
- The harder you pedal the more the display deflects to the left.
- The more power is added by the motor the more the display deflects to the right.



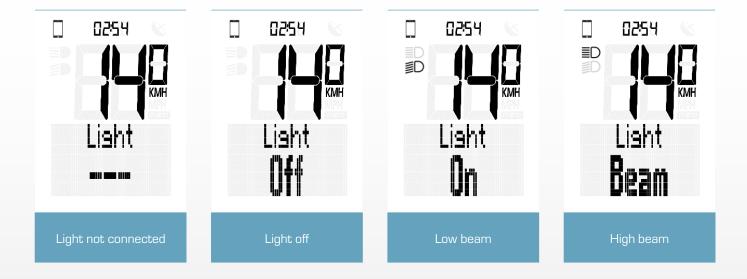
2.2.4 Heart rate and benefit indicator

- The multifunctional area of the EOX® VIEW 1200 can show the current heart rate if an external heart rate sensor is connected (see chapter 2.3.4).
- The benefit indicator provides feedback for the training effect of your activity.



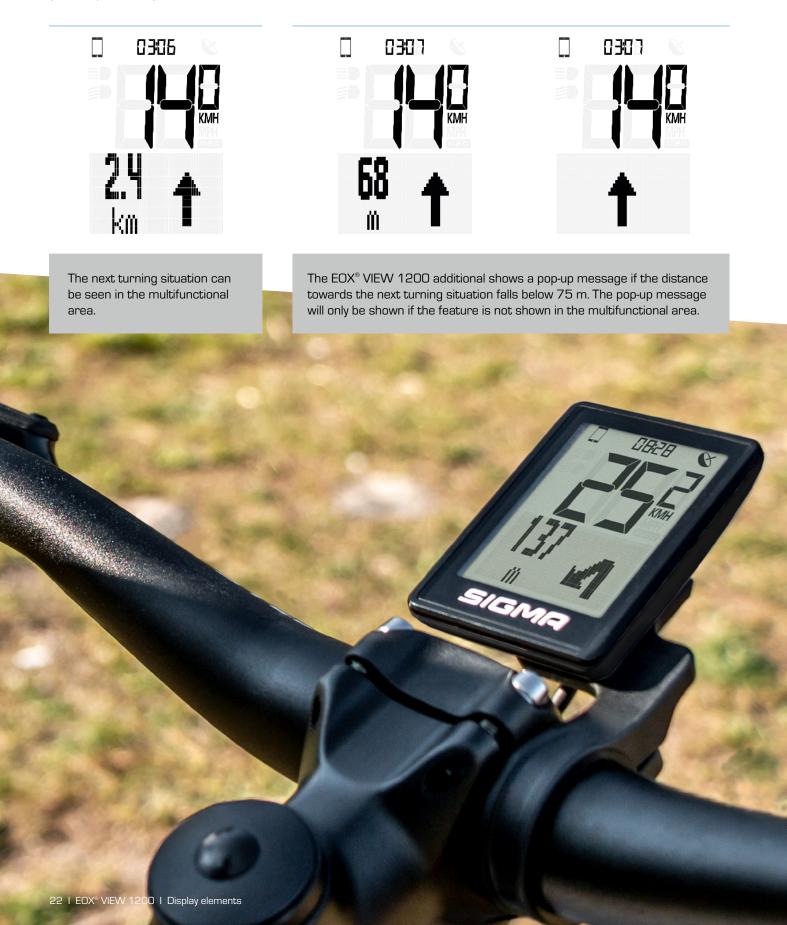
2.2.5 Light status

- The multifunctional area of the EOX® VIEW 1200 can show the status of your E-Bikes integrated light.
- Additionally, the light status will be indicated by two fixed icons.
- How to control your E-Bikes light with the EOX® VIEW 1200 is described in chapter 1.3.5.



2.2.6 Komoot turn-by-turn instructions

The EOX® VIEW 1200 shows the turn-by-turn instructions from komoot if the komoot app is connected (see chapter 2.3.5).

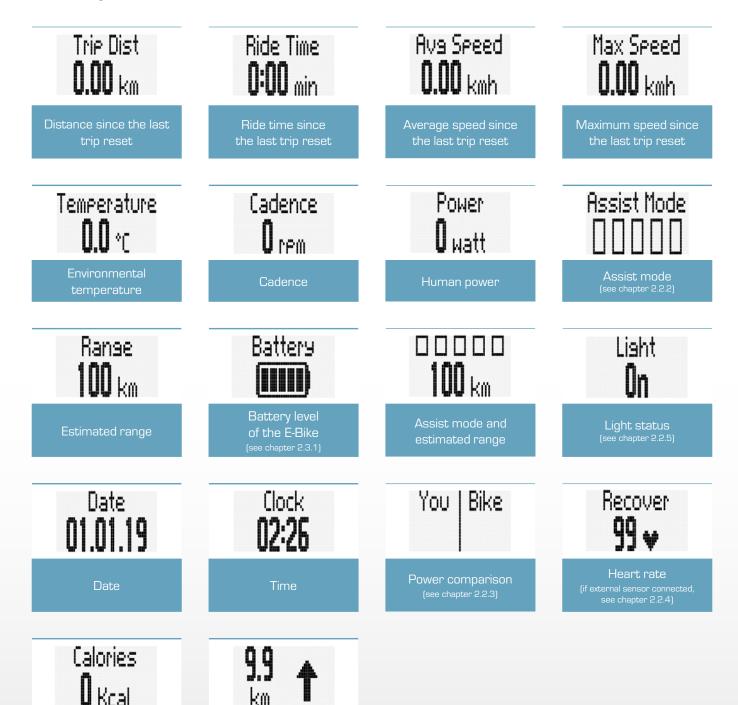


2.2.7 All functions of the multifunctional area

- The functions of the multifunctional area cann be customized using the EOX® App.
- Please note that the set of functions varies depending on the specific E-System.

The following functions are available:

Calories



Komoot turn-by-turn

instructions



2.3 Operation

2.3.1 Controlling the ride menu

To change the functions shown in the multifunctional area press the A and C button in the ride menu.

2.3.2 Settings

- To enter the menu of the EOX® VIEW 1200 long-press the B button (>2 s).
- Switch to the item "Settings" using the A/C button.
- Press the B button briefly.
- The following settings can be done:
 - 1. Language (English, Deutsch, Francais, Italiano, Espanol, Hollands, Polski, Cestina)
 - 2. Units (kmh/mph, °C/°F)
 - 3. Time
 - 4. Date
 - 5. Contrast
 - 6. Year of birth
 - 7. Maximum heart rate
 - 8. Connect heart rate sensor

2.3.3 Trip Reset

To reset the trip data of the EOX® VIEW 1200 long-press the A button (>5 s).



2.3.4 Connect heart rate sensor

You can connect a compatible BT heart rate sensor with the EOX® REMOTE 500 and show the heart rate information in the multifunctional area of the EOX® VIEW 1200.



In the menut switch to the item "Settings > HR Sensor"



Press the B button to search for available Bluetooth heart rate sensors. The heart rate belt must be activated before starting the search.



All heart rate sensors found will be shown in a list. Choose the sensor you want to connect with the EOX® REMOTE 500 using the A/C buttons and confirm the connection by pressing the B button.



The EOX® REMOTE 500 connects woth the chosen sensor.



Once the connection has been established the status of the menu changes to "HR Sensor Connected".

To connect a new heart rate sensor press the **B** button again.



2.4 Technical information

Dimensions	68.0 x 48.2 x 26.5 mm
Weight	62.7 g
Operating temperature	-20/25/70 °C (min/typ/max)
Storage temperature	-20/25/80 °C (min/typ/max)
Certifications	CE, FCC, ROHS, REACH
IP rating	IPX6K, IPX7

2.5 Product care

- Remove dirt carefully with water or a soft wipe.
- Do not rub the surface of the display if it is dirty (e.g. du to mud).
- Do not submerse the product into water.
- Do not clean the product with a high-pressure jet.
- Avoid the contact with oils and greases.

2.5.1 Transport and storage

- Protect the product from direct intensive solar radiation.
- Protect the prodcut from extreme temperatures (see temperature specifications).
- Store the product dry and at room temperature during longer non-use.

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You can find the CE declaration at: ce.sigmasport.com/eoxview1200



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CAN ICES-3(B)/NMB-3(B)

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L'exploitation est autorisée aux deux conditions suivantes:

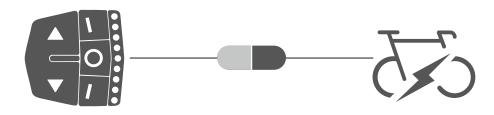
- (1) il ne doit pas produire de brouillage et
- (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fomctionnement du dispositif.



EOX° ASSEMBLY

3.1 **EOX® REMOTE** 500

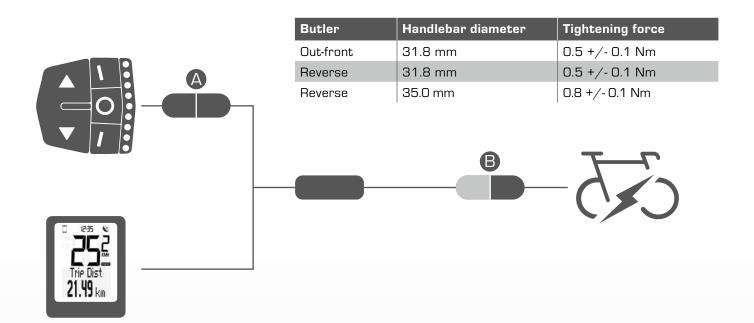
- Open the clamp of the EOX® REMOTE 500 and place it on the handlebar (22.2 mm).
- Close the clamp and align the EOX® REMOTE 500 ergonomically fit.
- Take care that the cable fits the intended guidance at the inner side of the clamp.
- Tighten the screw (Allen Bolt 3mm) (for tightening force please refer to table below).
- Connect the plug (purple) with the cable from your E-Bike.





3.2 EOX® REMOTE 500 and EOX® VIEW 1200

- Loosen the screw of the EOX® VIEW 1200.
- Open the elastic clamp and bend it around the handlebar (31.8 35.0 mm).
- Adjust the clamp in a way that the EOX® VIEW 1200 is aligned inside the drivers viewpoint.
- Tighten the screw (Allen Bolt 3mm) with 0.40 Nm.
- Open the clamp of the EOX® REMOTE 500 and place it on the handlebar (22.2 mm).
- Close the clamp and align the EOX® REMOTE 500 ergonomically fit.
- Take care that the cable fits the intended guidance at the inner side of the clamp.
- Tighten the screw (Allen Bolt 3mm) (for tightening force please refer to table below).
- Connect the female plug of the EOX® VIEW 1200 with the male plug of the EOX® REMOTE 500 (A).
- Connect the male plug of the EOX® VIEW 1200 with the cable of your E-Bike (B).









EOX® APP

4. SIGMA EOX® App

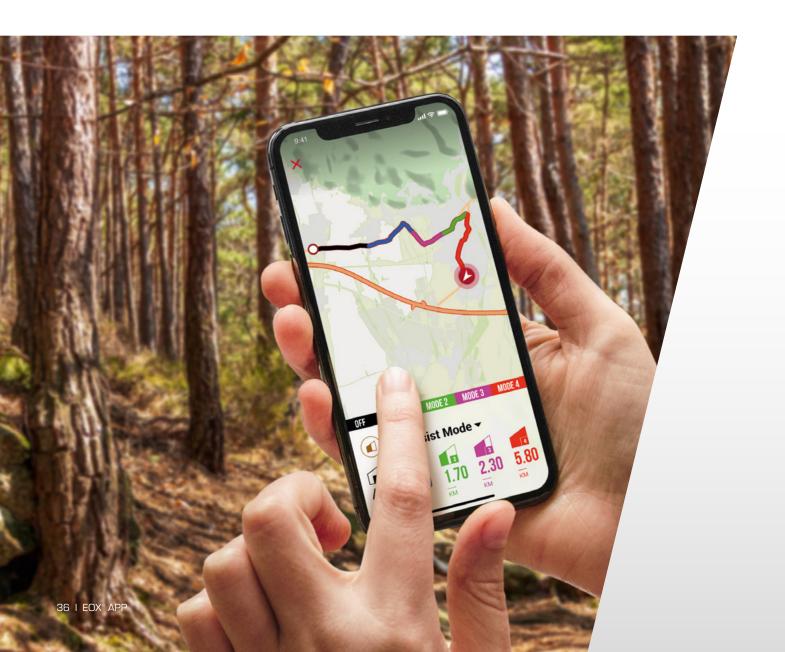
SIGMA EOX^B App is available in the Google Play Store and Apple App Store.





Connect EOX® REMOTE 500 with EOX® App

- Make sure that your E-Bike is turned on and your smartphone is around.
- Enable Bluetooth on your smartphone and start the EOX® App.
- Follow the app instructions to connect the EOX® REMOTE 500 with the EOX® App.
- Now, a data transfer is guaranteed.





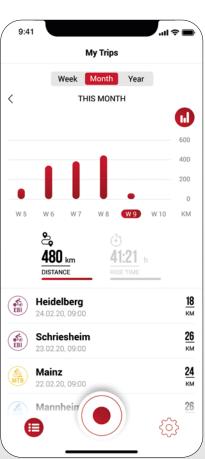
Menu "Trip recording"

Tap on to record a trip.

The following values are shown:

- Location on the map
- Distance
- Ride time
- Average speed
- Maximum speed
- Average heart rate (only if heart rate sensor is connected)
- Maximum heart rate (only if heart rate sensor is connected)
- Calories (only if heart rate sensor is connected)
- Average cadence
- Maximum cadence
- Average power
- Maximum power
- Average temperature
- Maximum temperature
- Battery drain
- Assist Modes
- Range

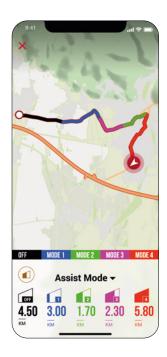




Menu "My trips"

- Summary of all recorded trips
- Weekly, monthly and yearly statistic (distance, ride time)
- Show goal achievement

Menu "Trip"





Following data can be added to the trip individually:

- Trip name
- Trip date and time
- Sport type
- Weather and wind information
- Feeling

The following values are recorded:

- Location on the map
- Ride time
- Average speed
- Maximum speed
- Average heart rate (only if heart rate sensor is connected)
- Maximum heart rate (only if heart rate sensor is connected)
- Calories (only if heart rate sensor is connected)
- Average cadence
- Maximum cadence
- Average power
- Maximum power
- Average temperature
- Maximum temperature
- Battery drain
- Assist Modes

Additional:

- Trip can be shared with third parties in real-time by tapping (iOS) (Android).
- By tapping on (iOS) (iOS) (Android), the trip can be individually arranged, edited or deleted.
- By tapping on the map, the trip is shown highlighted in colors.
 The colors indicate a different view of the trip concerning the following values: speed, heart rate, battery drain and assist modes.

Menu "Settings"







My Bike

- Customized settings, e.g. screens of the EOX® VIEW 1200 can be customized
- Firmware updates for EOX® VIEW 1200 and EOX® REMOTE 500
- Total values (distance, ride time)
- Enable automatic light

Heart rate sensor

 Connect a heart rate sensor with the EOX® REMOTE 500 to extend your fitness and health data

Connect heart rate sensor

- Via app you can connect a compatible bluetooth heart rate sensor with the EOX® REMOTE 500
- By tapping on the EOX® App settings will open. Select "Heart rate sensor".
- Follow the app instructions to connect a heart rate sensor with the EOX® REMOTE 500.

General settings

Set language and scale unit

User

- User settings

Conncections

 Recorded trips can be synchronized with the SIGMA CLOUD or shared to third party platforms as STRAVA and komoot





Goals

Set goals to keep yourself motivated

Help & Feedback

- Videos of the EOX[®] series
- Contact our support



EOX° VIEW 1200

WITH KOMOOT APP

5. Komoot app



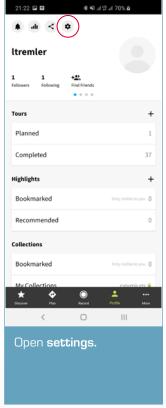


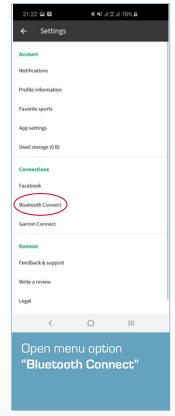
5.1 Connect Komoot app

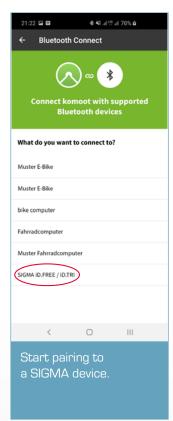
You can connect the komoot app with the EOX $^{\rm 8}$ REMOTE 500 to show the turn-by-turn instructions on the EOX $^{\rm 8}$ VIEW 1200.

Initial Connection





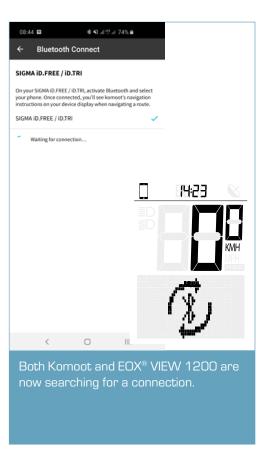


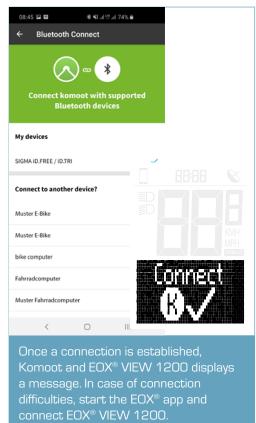


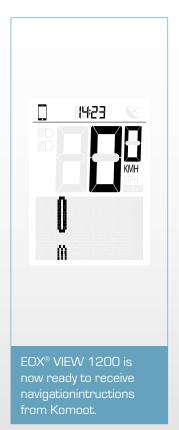


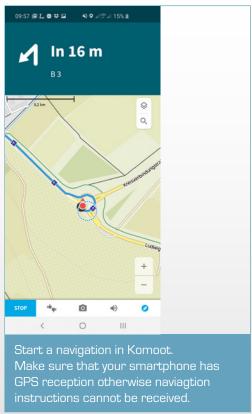
Initial Connection

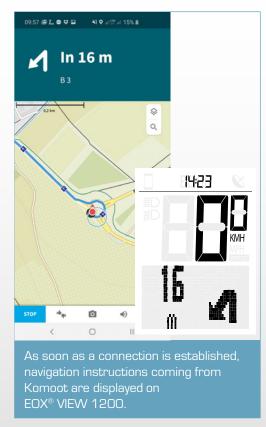




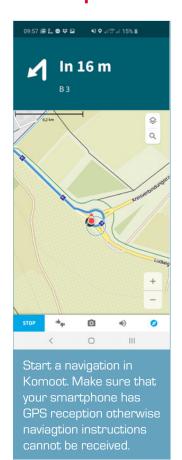


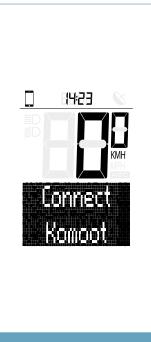




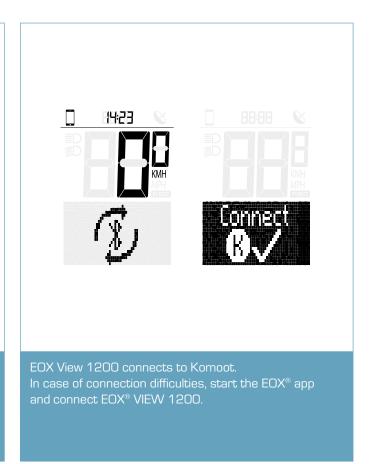


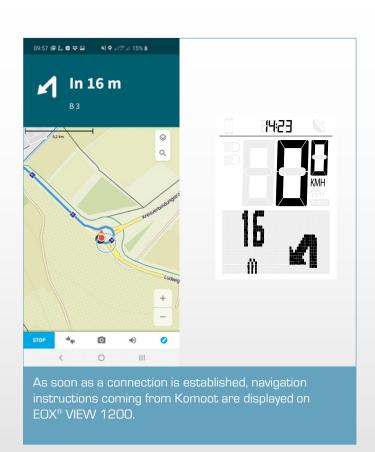
Subsequent Connections





In the Ride menu of EOX® VIEW 1200 navigate to the option "Connect Komoot" and press B.







SIGMA-ELEKTRO GmbH

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