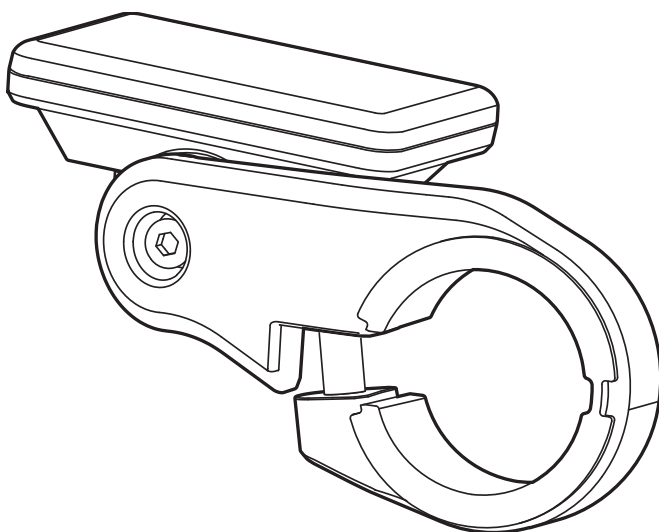


Operating Instructions

Display 501 GXM

Display



- Before operating this product, please read the instructions carefully and save this manual for future use.
- Before using this product, be sure to read “Read this first!”
- e-Bike (Electric Power Assisted Cycles) as used in this manual mean Pedelec.
- The descriptions in the Operating Instructions are subject to change due to version upgrade of the software, etc.

Read this first!

For Your Safety

To reduce the risk of injury, loss of life, electric shock, fire, malfunction, and damage to equipment or property, always observe the following safety precautions.

Explanation of symbols

The following symbols are used to classify and describe the level of hazard, injury, and property damage caused when the warning is disregarded and improper use is performed.

	DANGER	Denotes a potential hazard that will result in serious injury or death.
	WARNING	Denotes a potential hazard that could result in serious injury or death.
	CAUTION	Denotes a hazard that could result in minor injury or damage to the unit or other equipment.

The following symbols are used to classify and describe the type of instructions to be observed.

	This symbol is used to alert users to a specific operating procedure that must not be performed.
	This symbol is used to alert users to a specific operating procedure that must be followed in order to operate the unit safely.



WARNING



Do not modify or disassemble the console.

Do not use or leave the console lying around in high temperatures.

- This may cause damage or heat, which may lead to fire.

Do not use the e-Bike mark button (Walk assistance) when the wheels of the e-Bikes are not in contact with the ground.

- It may cause injury.
- If assistance deactivates when on a slope, when setting off, or due to erroneous operation, you may suffer an injury due to losing your balance or falling over due to riding one-handed.



CAUTION



When the e-Bike is walked along while the e-Bike mark button (Walk assistance) is pressed, the pedals will still rotate.

- Please be careful as injuries can occur.

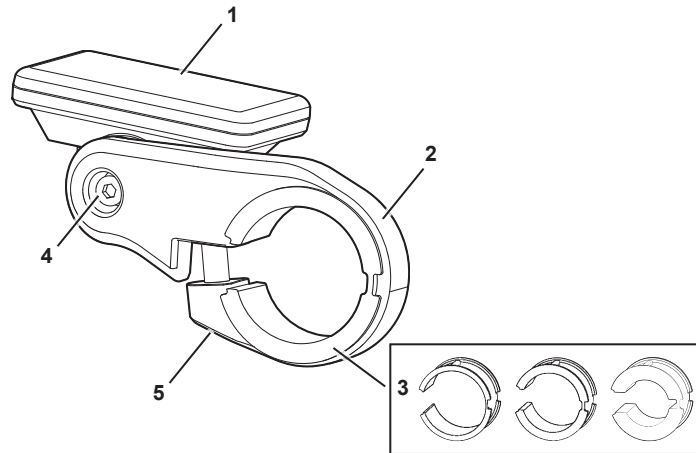
Do not use smartphones, cellphones, or other such devices when riding.

- Doing so may lead to injury through accidents.

Do not stare at the screen when riding.

- Doing so may lead to injury through accidents.

Product specifications

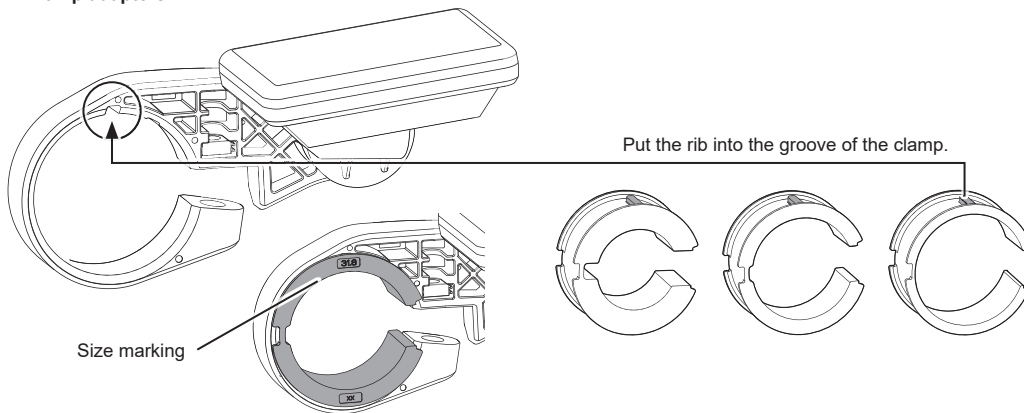


- 1 Display
- 2 Clamp
- 3 Clamp adapter $\phi 25.4/\phi 31.8/\phi 35.0$
- 4 Display tightening bolt
- 5 Clamp tightening bolt

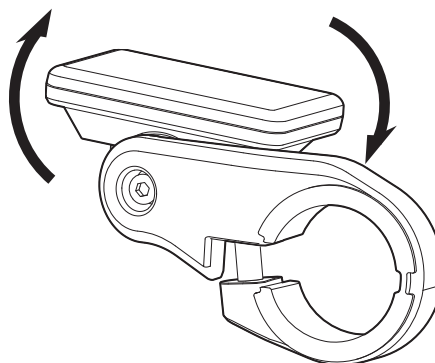
Installing Display 501

- ① The clamp adapters support three types of diameters of handles ($\phi 35.0$ mm, $\phi 31.8$ mm, and $\phi 25.4$ mm). Select an appropriate adapter according to the handle. Put the rib of the adapter into the groove of the clamp to install it.

■ Clamp adapters



- ② Slightly pull the opening of the clamp, and pass the handle through the opening. Position the display at the center of the handle (around the stem).
- ③ Slightly tighten the clamp tightening bolt (5). (Do not firmly tighten the bolt since it is fully tightened later.)
- ④ Slightly loosening the display tightening bolt (4) allows the display to rotate. Position the display for easier reading during traveling.

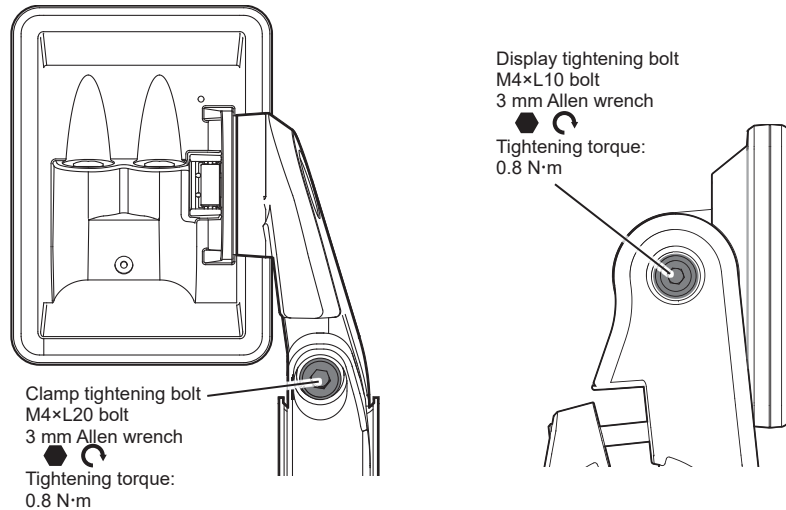


Attention

When the clamp adapter is not attached, the clamp cannot be secured to the handle firmly.

Product specifications

- ⑤ Tighten the clamp tightening bolt and the display tightening bolt.



Attention

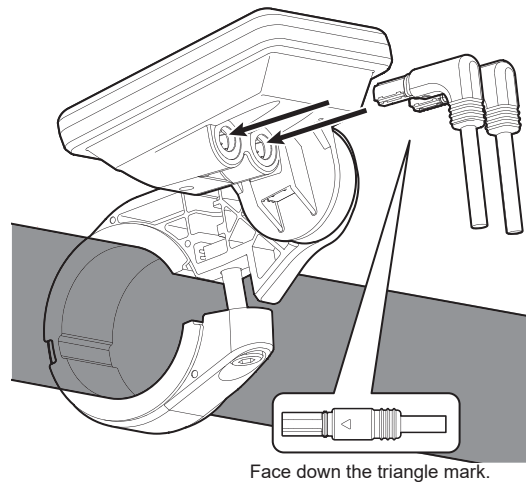
Be careful not to excessively tighten the screw to avoid damage.

- ⑥ Connect the connectors to the display.

*Read the precautions on the connector connection described later.

*Two types of connectors are available: L-shaped type and straight type. The illustration below uses a L-shaped connector.

- When using Display 501 : Connect Remote 501, Display 501 and the Drive Unit with the harness.
- When using only Remote 501 without Display 501 : Connect Remote 501 and the Drive Unit directly with the harness



- ⑦ Remove the protection film on the display.

Using the display with the protection film on it may affect the performance.

Precautions on the connector connection

- Make sure that the connector is not inclined, facing the correct direction. Insert it to the product until it clicks.
- Do not insert a different type of connector.
- Do not insert a foreign object to the connector port.
- Waterproof performance is exercised only when the connector fits in the connector port. Be careful not to expose the connector port to water when the connector does not fit in or does not completely fit in.
- Do not touch the packing (O-ring) of the connector. The packing (O-ring) may incur damage, adhesion of a foreign object, position misalignment, or other problems, resulting in an adverse effect on the waterproof performance.
- The waterproof performance is assured only for water at ordinary temperature. Avoid exposure to liquids other than water, such as warm water, salt water, and detergent solution.
- Do not apply an excessive force to the connector. Attach the connector, avoiding interference with e-Bike parts.
- Hold the connector housing when attaching or removing the connector. Do not remove it by holding the cable.
- Pulling the cable excessively may cause wire disconnection. Turn the handlebars to the right and left, and check the cable length.

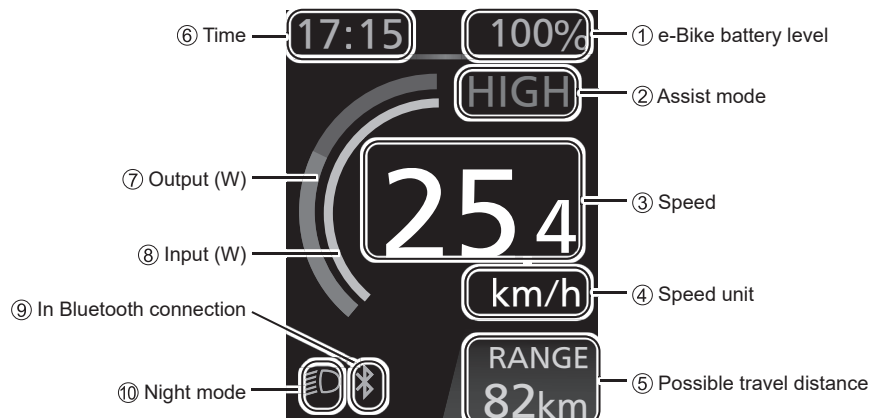
Attention

- Do not use the product in a situation with risk of fall. The display may be damaged due to the impact of fall.
- The damage caused by the impact may be prevented by adjusting the angle of the display and clamp and positioning them on the inner side of the handlebar. However, avoid using the product in a situation with risk of fall.

Methods of Use

To enable the assist function or display the various indications, press the power button on the console to turn on the e-Bike Systems.

■ Screen 1



Note

- All screen displays and texts, and functions are subject to change due to software update.
- Time is not displayed if the product is used in combination with an e-Bike battery manufactured by a third party that does not support the clock function.
- When the e-Bike battery level is between 1% and 4%, 0% will blink.
- Depending on the settings of the drive unit, speed may be displayed in ⑤ Possible travel distance (RANGE).
- Depending on the settings of the drive unit, the light may be on all the time. At that time, the ⑩ Night mode icon will be displayed.

■ Screen 2 to 6

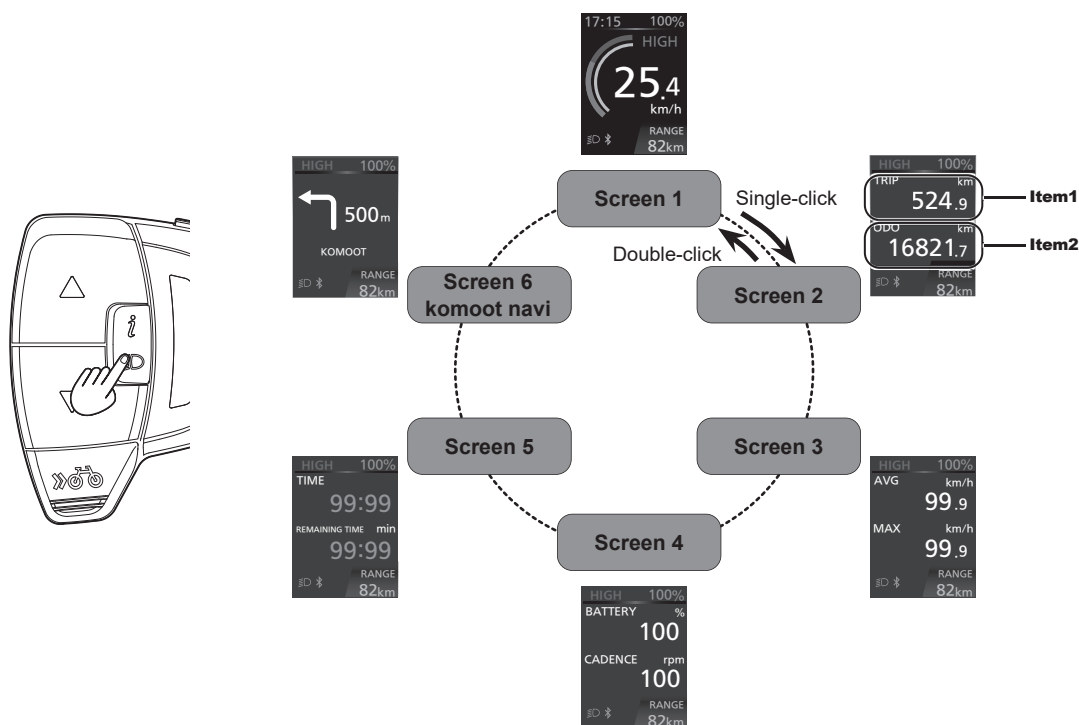
Single-clicking (short-press once) the information button of Remote 501 scrolls to the next screen.

Double-clicking the button short returns to the previous screen.

Screen 6 displays the komoot navi only.

To display Screen 6, select Settings > Screens > Screen items > Screen 6, and set Screen 6 to ON.

*Screen 5 and Screen 6 are not displayed in the default settings.



Note

- When charging the e-Bike battery from the e-bike charging port, connect the charger to the e-bike charging port and turn on the power, the charging status and remaining charging time will be displayed on the screen. However, these may vary depending on usage.
- If you connect or disconnect the e-bike charging port and charger while the power is on, the power will automatically turn off for safety.
- Third party batteries may not display remaining charge time.

Changing the settings and display

■ Operation method for the settings menu

With Remote 501 turned ON, press both the ▼ button and [information] button for more than three seconds.

Pressing and holding the assist button (▼) and information button of Remote 501 for three seconds at the same time enters the setting menu.

Basic settings

Basic settings such as the language displayed on the display, adjustment of backlight brightness and time can be changed.

Access the basic setting menu, and change the settings as desired. In the basic setting menu, the following items can be switched and set.

Setting		Description
Screen	Screen items	On Screen 2 to 5, Item1 (top) and Item2 (bottom) can be customized by selecting the following items. (Screen 1 displays the speed, and cannot be changed.) *Customized items can also be reset to their default settings. Selectable items: SPEED/BATTERY/RANGE/AVG/MAX/TRIP/ODO/CADENCE/REMAINING RIDING TIME/TIME
	Brightness	The brightness of the backlight of the display can be adjusted in 10 stages. The brightness can be set separately for when the night mode indicator is turned on and when it is turned off.
	Language	The language displayed on the display can be switched. The language can be selected from the following ten languages: English, German, Czech, Slovak, Polish, Dutch, French, Italian, Spanish, and Danish
	Speed unit	Either km or mile can be selected.
BIKE	Assist setting	Using Panasonic e-Bike app allows the assist setting to be changed in three stages.
	Riding data reset	Reset three riding data. • AVG • MAX • TRIP
Bluetooth	Panasonic	Connects with Panasonic e-Bike app.
	CPP	Uses the Cycle Power Profile to connect to the corresponding smartphone app.
	komoot	Connects to komoot (smartphone app).
	Bluetooth reset	Initializes the pairing setting.
SYSTEM	Version information	Displays the version information of each component. Note The version of an e-Bike battery manufactured by a third party is not displayed.
	Clock	Manual : Manually changes the time. Sync w/Phone : When this setting is ON, synchronizes the time with the time of the smartphone when Panasonic e-Bike app is connected. Note • Time information is obtained via communication from the e-Bike battery unit. Correct the time after replacing the e-Bike battery. • Time accuracy may fluctuate depending on the temperature change or long-time use. Adjust the time periodically as necessary. • Time is not displayed with an e-Bike battery manufactured by a third party that does not support the clock function.
	Factory reset	Resets the Display to factory settings.

Note

- This display is compatible with three types of smartphone apps, but operation may become unstable if multiple smartphone apps are connected at the same time. For smooth operation, limit your use to one app.

Warning and error

When a warning occurs, the warning symbol and a code starting with W are displayed on the screen. When a warning occurs, pressing the information button returns to the normal display.

When an error occurs, the warning symbol and a code starting with E or B are displayed on the screen. When an error is detected, the drive unit automatically stops driving. Although the assist function stops, traveling as an e-Bike can be continued.

The details of warnings and errors can be checked on Panasonic e-Bike app. It is recommended to connect with Panasonic e-Bike app beforehand.

Daily care

The parts of the e-Bike System are precision parts and must be cared for daily.

Daily care

- When removing the product, remove the e-Bike battery first. When the e-Bike battery is connected, a voltage is applied to this product.
- Do not use thinner or strong solvent for cleaning. Doing so may damage the surface.
- When mud or sand adheres to the display or screen, do not scrub it in a dry state. Scrubbing mud or sand may damage the screen. Rinse off the adhering substance with water, or wipe it off gently with a wet soft cloth to remove it. Then, wipe off remaining moisture with a dry soft cloth and dry the surface.
- Although this product is waterproof and designed to withstand bicycling in the rain, do not submerge or immerse it in water.
- Do not apply high pressure for washing the e-Bike. Doing so may cause a failure or rust.
- Do not invert the e-Bike. Doing so may damage the product.
- Handle the product carefully, and do not apply strong impact.
- The screen of the product may become opaque in a specific temperature or humidity condition. In such a condition, store the product in a warm place.
- Do not store or leave the product in a place with a high temperature and high humidity, or a place exposed to direct sunlight.

Specifications

Item No.	NKS518S
Operating temperature	-10°C to 45°C
Storage temperature	-15°C to 50°C
Weight (*1)	Approx. 62 g
Waterproofing level	IPX5

*1 When the clamp adapter Φ31.8 is used

After-sales service

Check with an authorized e-Bike dealer if you have any questions about the e-Bike System and its components.

Information for Users on Collection and Disposal of Old Equipment and used Batteries



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directive 2012/19/EU and Regulation (EU) 2023/1542.

By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.

For more information about collection and recycling, please contact your local municipality.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.



Generated data of Panasonic products

“EU Data Act” is an EU regulation which provides that fair access to data and use data between companies(BtoB) and between companies and consumers(BtoC) and will effective since 12 Sep 2025.

The purpose of EU Data Act is to distribute fairly interoperable data that is expected to enhance competitiveness and innovation and lead to sustainable economic growth.

In accordance with this regulation, the generated data of Panasonic products are disclosed to customers fairly.

The generated data of Panasonic products can be found at the following 2D code.



Manufactured by:

Panasonic Cycle Technology Co., Ltd.
13-13 Katayama-cho, Kashiwara City, Osaka 582-8501, Japan

Authorized Representative in Europe:

Panasonic Marketing Europe GmbH
Panasonic Testing Centre
Winsbergring 15, 22525 Hamburg, Germany

Imported by:

Panasonic Industry Europe GmbH
Caroline-Herschel- Strasse 100 85521 Ottobrunn, Germany