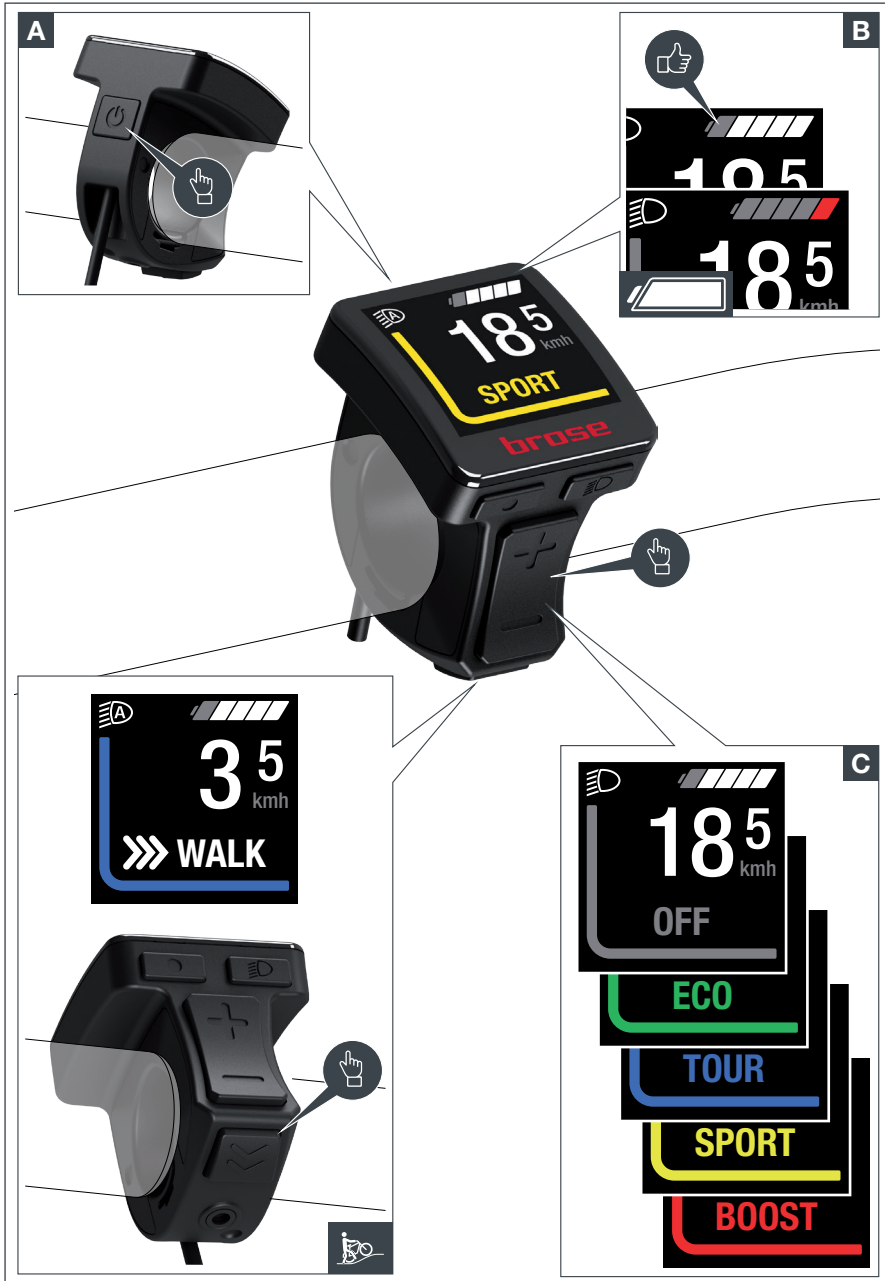


brose

Brose Display Allround

E 41230

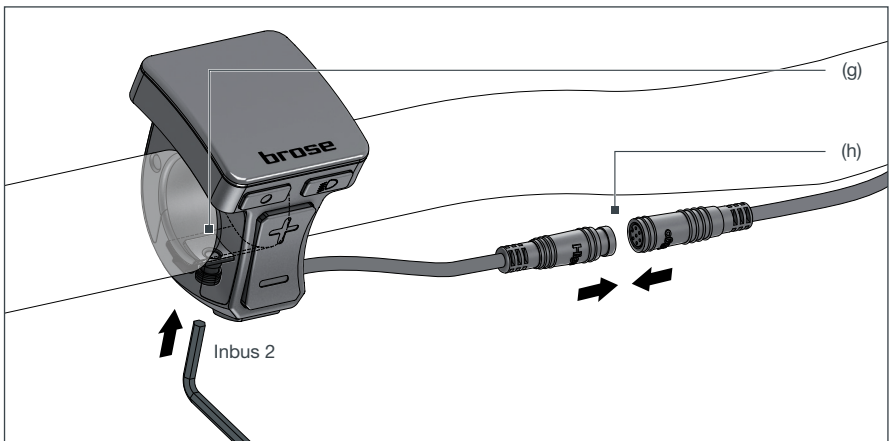




A. Schnellstart / Quickstart



B. Tastenbelegung / key assignment



C. Montage / Assembly

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The user manual contains important information about the use and settings of Brose components.

This user manual is based on the standards and regulations valid in the European Union. Read the operating instructions, especially the safety instructions, carefully in the following chapter before using the Brose Drive System. Failure to follow the instructions in the user manual may result in serious injury or damage to your e-bike. Keep the operating instructions at hand for further use.

If you pass on the Brose components to third parties, please always include the respective user manual.

The term «**e-bike**» used in this user manual relates to electric bikes, pedelecs and EPAC. It is an electric bicycle with electronic assistance.

The term «**battery**» refers equally to mounted down tube batteries, luggage carrier batteries and batteries integrated in the frame.

The term battery is used synonymously for rechargeable energy stores.

1. Safety Advice



Read the user manual carefully and observe all safety advice and instructions.

- › The «**Allround**» display and control unit is part of the drive system of your e-bike. Read and observe the safety advice and instructions in this manual as well as in all other instructions enclosed with the e-bike. Only then is the safe use of the e-bike possible.
- › Failure to comply with or observe the safety advice and instructions may result in electric shock, fire and/or serious injury.
- › Keep this user manual and all other enclosed information for future reference.
- › Do not open the «**Allround**» control unit. Opening the control unit can destroy it and the warranty claim becomes void.
- › Never open the drive unit. This is low maintenance and must be repaired only by

- qualified personnel and only with original spare parts. The drive unit requires an inspection by a certified service centre after 15,000 km.
- » This preserves the safety of the drive unit. Unauthorised opening of the drive unit voids the warranty claim.
 - › The walk assist may only be used when pushing the e-bike.
 - » If the e-bike wheels have no ground contact when using the Walk assist, there is a risk of injury.
 - › All components belonging to the Brose Drive System as well as components that are mounted on the drive unit (e.g. chainring, chainring mount, pedals) must only be replaced with approved components.
 - » This protects the drive unit from damage (e.g. due to overload).
 - › Do not make any changes to your Brose Drive System. Never try to increase the performance of your Brose Drive System.
 - » You otherwise reduce the life of the components and risk damaging the Brose Drive System and your e-bike. In addition, any kind of manipulation of the Brose Drive System voids all guarantee and warranty claims for your e-bike. Improper use of the system will also jeopardise your own safety and that of other road users. Unauthorised changes to the Brose Drive System could result in high levels of personal liability or even the risk of prosecution in the event of accidents due to manipulation.
 - › Comply with all national regulations for the approval and use of e-bikes. These may differ depending on which country you are in.
 - › Remove the battery from the e-bike before handling it (e.g. before assembly, maintenance, working on the chain, etc.), and before transporting or storing it.
 - » Inadvertent activation of the Brose Drive System may result in injury.
 - › Do not use the control unit as a handle. If you lift the e-bike by the control unit, you can irreparably damage the **«Allround»** control unit.
 - › **CAUTION!** Using the control unit with Bluetooth® may interfere with other equipment, aircraft, and medical devices (such as pacemakers or hearing aids). Also, damage to humans and animals in the immediate vicinity cannot be completely ruled out. Do not use the control unit with Bluetooth® near medical devices, petrol stations, chemical plants, explosive areas, and blasting areas.
 - › Do not use the control unit with Bluetooth® in aircraft. Avoid operation for a long period of time close to the body.
 - › The Bluetooth® word mark as well as the logo(s) are registered trademarks owned by Bluetooth SIG, Inc. Any use of this word mark/symbol by Brose Antriebstechnik GmbH and Co. is under license.
 - › **NOTE:** It is possible that Bluetooth® is not activated. For further questions please contact an authorised bicycle dealer.

- › **Do not let the display and/or control unit distract you.**

If you do not focus solely on traffic, you risk being involved in an accident. If you want to make a keypad entry apart from changing the assist mode and ride data, stop and enter the appropriate data.

- › **ATTENTION:** There is a risk of burns if the motor housing is touched. Under extreme conditions, e.g. sustained high load at low speed when riding uphill or with a load, temperatures >60°C can occur on some parts of the drive.
- › **NOTE:** Familiarise yourself with the functions of the e-bike and its operation before starting your first journey.

- › **NOTE:** Keep the user manual with you on all trips. This will allow you to look up less frequently needed functions at any time.

- › **DATA PRIVACY NOTE:** If the on-board computer is sent to the service department for servicing, the data stored on the device may be transmitted to service employees.



WARNING! Make the basic settings on the control unit before starting to ride. Unconcentrated riding endangers you and other road users.

2. Intended Use

The **«Allround»** display and control unit of the Brose Drive System is intended exclusively for use in this system. It serves to display ride-relevant information and to control the drive unit.

In addition to the functions shown here, it may be that software changes for troubleshooting and enhanced functions are introduced at any time.

3. Product Description

3.1. Brose Display Allround

The Brose displays ensure an optimal interaction between cyclist and drive. These new Brose control units are precisely coordinated to the Brose Drive product family. This allows the rider to enjoy a holistic e-bike experience.

The functions are displayed on a 1.5 inch colour screen. The convex screen can be mounted flexibly on the right or left of the handlebars and nestles seamlessly next to the

shifter or grip. Six specially embossed control buttons offer a sure feel and are ergonomically positioned for optimum ease of use. For optimal and quick readability, the selection of data to be displayed can be set individually.

3.2. Explanation of Illustrations

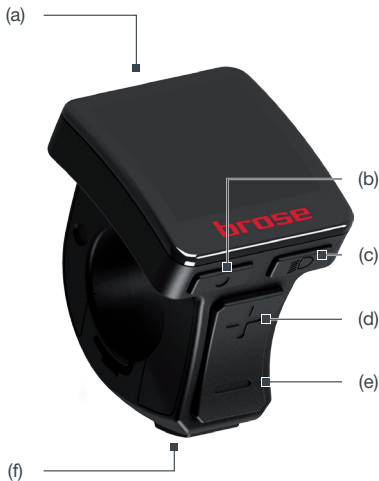


Fig. 1: Key Assignment

Allround display and control unit
(a) «On/Off» key
(b) «Menu» key / select key
(c) «Light» key
(d) «Increase» assistance level / scroll menu up
(e) «Decrease» assistance level / scroll menu down
(f) «Walk Assit» key / menu back one level
(g) Control unit grub screw
(h) Plugs

The numbering of the described components also refers to the illustrations on the graphics pages at the beginning of the manual. All illustrations are schematic and may differ in details from the actual features of your e-bike.

3.3. Technical Data

Allround display and control unit	
Brose material no.	E41230
L × W × H	44 × 37 × 50 mm
Weight, approx.	50 g
Handlebar (d)	22,2 mm
Electrical data	12V / max. 3W
Display	1,5 Zoll TFT colour display (240 × 240 px)
Operating and storage temperature	-10°C bis 60°C
IP X7 (HMI) Dust-tight, water-tight	
Certificates	CE, ROHS, Reach, Bluetooth (EU, Switzerland, USA, Canada, Japan)
BLUETOOTH low energy® 5.0 (optional ANT+)	
Frequency	2400–2480 MHz
Transmission power	< 10 mW

3.4. Declaration of Conformity

Brose Antriebstechnik GmbH & CoKG hereby declares that the «**Display Allround**» wireless system complies with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following Internet address(Service/Serviceetool):

www.brose-ebike.com

4. Assembly

The control unit can be mounted on both the left and the right side of the handlebar.

NOTE: Brose recommends positioning on the left side of the handlebar.

NOTE: Check all fixing screws regularly. Shocks, heat and cold can cause the screws to become loose. Tighten all screws to the required torque.

- › Carefully remove the grip and open the brake, gears and all other components mounted on the selected handlebar side.
- › Carefully loosen the hexagon socket screw with a size 2 wrench (Fig. B-g) on the control unit.
 - » **NOTE:** The screw cannot be removed from the control unit.
- › Now slide the control unit from the side onto the handlebar.
- › Position the control unit close to the grip, so that all keys can be easily pressed with the thumb.

- › **NOTE:** Please make sure that the operation of safety-relevant parts (e.g. brake grips) is always ensured.
- › Make sure that the connection cable is not crushed or bent.
- › Now tighten the hexagon socket screw slightly with a size 2 wrench. Do not tighten the screws yet. Check the position of the control unit.
 - » Can all keys be reached with the thumb?
 - » Is the display clearly visible?
- › Tighten the hexagon socket screw with the wrench (Fig. B-g).
 - » Torque 0.5 Nm
- › Connect the control unit cable to the motor cable connectors (Fig. B-h). This may vary depending on the features of your e-bike.

5. Operation and Control

5.1. Before First Use

Commissioning of the display and control unit requires no further steps after installation. The display/control unit is ready for use as soon as it has been correctly connected and the battery is sufficiently charged.

NOTE: A full function is only possible if the speed sensor and all cables have been connected correctly and the battery is sufficiently charged.

NOTE: The display unit does not have its own battery and therefore cannot be used or operated outside the e-bike.

NOTE: If the e-bike is switched on, the display unit remains switched on while riding; even if the motor assistance is deactivated.

5.2. Basic Control Elements

With the control unit keys, you can ergonomically control the functions of the e-bike system. The hand can remain on the handlebar grip while the thumb operates the control unit keys. The information on the display tells you about the selected assistance level and gives you more information about your Brose Drive System.

Switch the e-bike on or off with the **«On/Off»** key (Fig. A-a).

With the **«Menu»** key (Fig. A-b), a range of information can be called up while riding.

Use the **«Increase»** (Figure A-d) and **«Decrease»** (Figure A-e) keys to increase or decrease the assist level. If you are in a menu (e.g. settings), you can use these two keys to scroll up or down in the menu. Press the **«Menu»** key (Fig. A-b) to confirm the settings. You can go back one level at any time using the **«Walk assist»** key (Fig. A-f). Changed settings are saved.

NOTE: The menu and the settings menu cannot be accessed while riding.

NOTE: All the interface illustrations and text on the following pages correspond to the release status of the software. Due to the fact that the software can be updated several times during a year, it is possible that the interface illustrations and/or interface texts will change slightly after an update.

5.3. Switching the Brose Drive System On and Off

The Brose Drive System can only be operated with a sufficiently charged battery.

Switching on

To switch on the e-bike system you have the following options:

- › With the e-bike battery inserted, briefly press the **«On/Off»** key on the control unit once.
- › **NOTE:** Depending on the installed battery, it may take a few moments for the display to turn on.
- › Press the **«On/Off»** key on the e-bike battery (bicycle manufacturer-specific solutions are possible that do not have access to the battery **«On/Off»** key, see battery/bicycle manufacturer's manual). The display unit activates automatically.
- › The Brose Drive System is now ready to operate.

The drive is activated as soon as you pedal (except in the **«Walk Assist»** function or in the **«OFF»** assistance mode). The motor power depends on the set assistance level on the control unit.

As soon as you stop pedalling in normal operation, or once you have reached a speed of 25 km/h, the e-bike drive assistance will be disabled. The drive is automatically re-activated as soon as you pedal and the speed is below 25 km/h.

Switching off

To switch off the e-bike system you have the following options:

Press the «**On/Off**» key on the control unit for at least 1.5 seconds.

- › Switch off by pressing the «**On/Off**» key on the e-bike battery (bicycle manufacturer-specific solutions are possible that do not have access to the battery «**On/Off**» key, see battery/bicycle manufacturer's manual). The system takes about 3 seconds to completely switch off. You will not be able to turn the system on again until it has completely shut down.

NOTE: Control and display unit, drive unit and battery are completely switched off.

NOTE: If the e-bike drive power is not called up for approx. 15 minutes (e.g. because the e-bike is stationary) and no key is pressed on the e-bike control unit, the e-bike system and

thus the battery will switch off automatically for energy saving reasons.

The time in which the control unit goes to «**Shutdown Time**» can be adjusted to your needs at any time in the settings (refer to the «**Settings**» chapter).

NOTE: The control/ display unit is always switched on; even if motor assistance is deactivated («**OFF**»).

NOTE: Always turn off the Brose Drive System when you stop the e-bike.

5.4. Display and Settings

5.4.1. Display

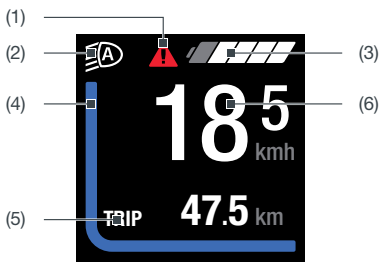


Fig. 2: Drive Mode

The display (Fig. 1) offers an overview of the following information:

- (1) System status information (e.g. faults)
- (2) Lighting indicator
- (3) Battery charge level indicator
- (4) Display of current assistance
- (5) Trip information (incl. unit)
- (6) Speed (incl. unit)

The displays 1-3 form the status bar and are displayed in the ride display on each screen.



With the «**Menu**» key you can also display a range of information about your trip while riding, so both hands can remain on the handlebar while riding.

Use the «**Increase**» and «**Decrease**» keys to increase or decrease the assist level. If, for example, you are in the settings menu, you can use these keys to scroll up or down.

Bicycle lights

In the version in which the bike lights are powered by the e-bike system, the front light and the rear light can be switched on and off simultaneously using the «**Light**» key (Fig. A-c) on the control unit.

When the light is on, an icon appears in the status bar (Fig.1-2) on the display.



Light status	
	Lighting not activated
	Lighting switched on
	Automatic control activated

Switching the bike lights on and off has no influence on the display backlight.

Hinweis: Is the battery removed or fully discharged, the light does not turn on if it is connected to the electric power system. Be aware that using the bicycle under these conditions will be considered non-observance of the road traffic laws.

System information

The following is displayed to you in the status bar:

Error & status symbols	
	Battery reserve is reached or battery is drained and the system is switched off
	A fault has occurred (refer to Troubleshooting chapter)

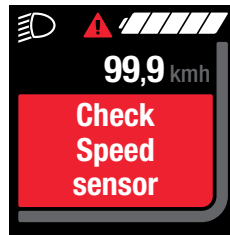


Fig. 3: Sample Error

Battery charge level

The battery charge level (Fig.1-3) is shown on the display of the display unit with 5 segments. Each segment corresponds to approx. 20% of the battery capacity.

Depending on the features of your e-bike, the battery charge level can also be from the battery itself.

If the battery charge level is <10%, the charge level indicator will start flashing. If the charge state is <5%, the last segment of the display turns red. In this condition, the motor assistance is switched off to ensure the use of lighting for an additional 2 hours in an emergency.

Charge level	
white	Battery capacity >10%
red	Battery capacity ≤10% (last segment red)

If the battery is being charged on the wheel, a message will be displayed.

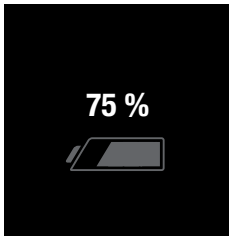


Fig. 4: Battery Charging

Assistance level

Your Brose Drive System has four assistance levels. While riding, you will see the level as a coloured bar (Fig.1-4). The characteristics of the respective assistance mode can be found in the following table:

Assistance levels	
OFF	(grey): No motor assistance. At the same time resistance-free cycling.
ECO	(green): Noticeable motor assistance for maximum efficiency and range.
TOUR	(blue): Very noticeable motor assistance, ideal for lengthy tours.
SPORT	(yellow): Powerful assistance for sport cycling
BOOST/ BOOST FX	(red): Full assistance for sport cycling, on hilly routes and in city traffic with normal battery range

You can use the control unit to adjust how much the e-bike drive assists you when pedalling. The assistance level can be changed at any time, even while riding.

To increase the level of assistance, press the «Increase key» (Fig. A-d) on the control panel until the desired level of assistance appears on the display; to decrease, press the «Decrease key» (Fig. A-e).

For 2 seconds you will see the selected assistance level in the ride information area (Fig. 1-5), also as text.

Walk Assist

The Walk assist key (Fig. A-6) helps you to push your e-bike.

It is activated as follows:

Press and hold the «**Walk assist**» key (Fig. A-f). The e-bike accelerates without pedal assistance to a speed between 3 and 6 km/h specified by the bicycle manufacturer.

The trip information display (Fig.1-5) will show you when Walk assist is activated.

Release the Walk assist key to deactivate the Walk assist.

The Walk assist is switched off as soon as one of the following occurs:

- › You release the «**Walk assist**» key,
- › the e-bike wheels are blocked (e.g. due to braking or hitting an obstacle),
- › the speed exceeds 6 km/h.



Fig. 5: Walk Assist (activ)

NOTE: The Walk assist function may only be used when pushing the e-bike. If the e-bike wheels have no contact with the ground when using the Walk assist, there is a risk of injury.

NOTE: The Walk assist cannot be activated in the «OFF» assistance mode and in the menu and Settings.

Changing the trip information view

Press the «**Menu**» key (Fig. A-b) on the display unit to change between information about your trip.

You can view the following information

- › Range
- › Time
- › Route
- › Trip time
- › Average speed
- › Maximum speed
- › Total distance

NOTE: Some features may be deactivated depending on the bike model. Detailed information is available from your bike manufacturer and your bike dealer.

5.4.2. Menu and Settings

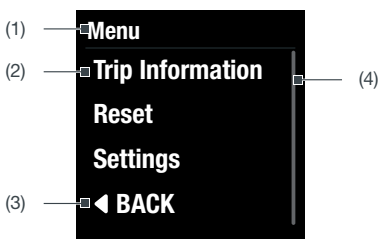


Fig. 6: Menu

The Menu and settings menu cannot be called up whilst cycling.

A menu in the Brose «**Allround**» display/control unit is arranged as follows:

- (1) Title (always visible)
- (2) Menu sub-point
- (3) Back (last item, alternative to «Walk assist» key (Fig. A-f))
- (4) Navigation bar

To call up the menu, stop or start the e-bike and, with the bike stationary, do the following:

- › Open the menu by pressing the «**Menu**» key (Fig. A-b) for two seconds.
- › Use the «**Increase**» (Fig. A-d) and «**Decrease**» keys (Fig. A-e) to navigate to the desired item and call it up with the «**Menu**» key (Fig. A-b).

Menu

You can obtain the following information via the menu:

- › Trip information (overview of full trip information)
- › Reset (all trip data)
- › Settings

Trip Information

Overview of all trip data

Reset Trip Information

To reset the display values in the trip information, proceed as follows:

- › To reset the display values in the trip information, proceed as follows:
- › Select «**Reset**» in the menu by pressing the «**Menu**» key.
- › If you would like to delete all trip information, confirm this by pressing the «**Menu**» key again.

- › **Note:** All trip information values are reset to zero.
- › **Note:** Reset cannot be called up while cycling.

Settings

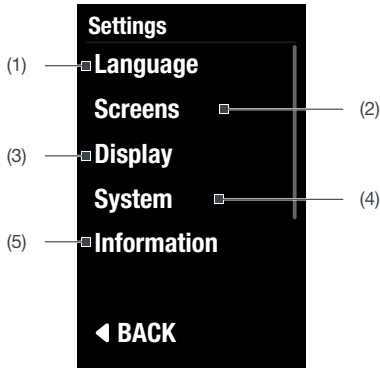


Fig. 7: Setting menu

You can access the settings via the menu Settings item.

Using the **«Increase»** and **«Decrease»** keys, you can call up further submenus and open them with the **«Menu»** key.

From the settings menu, you can scroll back to the menu with the **«Walk assist»** key.

In the settings menu you will find the following setting options:

- (1) **Languages:** The selection of a language causes an immediate change of the language presentation.
- (2) **Screen:** Personalisation of the Trip Information display (Fig.1-5). Switch between the data you want to display while riding:
 - › Range
 - › Trip (route)
 - › Time (trip time)

- › Average speed
- › Maximum speed
- › Total distance

(3) **Display:** Adjustment of the display

- › **«Automatic»** Automatic control of the display brightness as well as the day and night cycling display (**«White/Black»**).
- › **«Brightness»** Control of the display brightness; this can only be changed if the automatic control is deactivated.
- › **«White/Black»** Change between white and black background.
- › **«Stealth Mode»** The backlight of the display will turn off after 5 seconds of inactivity. All e-bike and display functions remain active. Press any key to turn on the backlight.

(4) **System:** Refer to the System Settings chapter

(5) **Information:** Displays information about your Brose Drive System (e.g.: Product name & software version)

System Settings

Navigate to the **«System»** sub-point.

You can use the **«Increase»** (Fig. A-d) and **«Decrease»** (Fig. A-e) keys to select the required setting and open it and, if necessary, further submenus using the **«Menu»** key (Fig. A-b). From the respective point, you can return to the previous menu by pressing the **«Walk assist»** key (Fig. A-f). Alternatively, call up the last menu item with **«Back»**.

- › **Note:** Please note that not every Brose Drive System features a **«clock»** Module. Therefore some options can't be seen in your e-Bike Display.

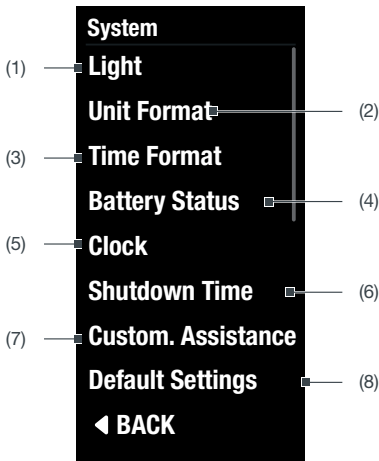


Fig. 8: System Settings

You can make the following settings here:

(1) «Light»

- » Activate automatic bike lighting
- » Switch bike lighting on continuously

(2) «Unit format» The displayed units are changed between «*km/mi*» and «*km/h / mph*».

(3) «Time format» (12h/24h): The display times are switched between «12h / 24h». (optional)

(4) «Battery status» Choose between

- » Battery status as segments
- » Battery status in percent (%)

(5) «Clock» (ss : mm) (optional)

- » Press the «*Menu*» key. The hours display flashes.
- » Set the required hour using the «*Increase*» and «*Decrease*» keys. Confirm your entry with the «*Menu*» key.

- » The minute display flashes. Set the required minute using the «*Increase*» and «*Decrease*» keys. Confirm your entry with the «*Menu*» key.

- » Exit the menu with the help of the «*Walk assist*» key.

HINWEIS: Please note that not every Brose Drive System features a «*clock*» Module.

(6) «Shutdown time»: Define the automatic switch-off time (1-20min) for your Brose Drive System.

(7) «Custom.Assistance» Adjust your assistance mode individually to your needs.

(8) Reset «Default Settings»

- » Select the «*Default Settings*» menu point.
- » Pressing the «*Menu*» key again resets all settings to the delivery status.

6. Troubleshooting



WARNING!

Always observe all error information!



NOTE: Have repairs done by a certified bicycle dealer only.

The «**Allround**» display/control unit displays error messages from the entire pedelec system.

The fault display indicates fault that the system can detect independently.

Depending on the type of fault, the drive may be automatically switched off. Check the e-bike before making any further trips. Driving on without the assistance of the drive is possible at any time.

Depending on the type of fault, the drive may be automatically switched off. Check the e-bike before making any further trips. Driving on without the assistance of the drive is possible at any time.

- › The fault display may indicate serious errors in your Brose Drive system. Errors prevent the safe operation of the e-bike. There is a risk of accidents involving personal injury and damage to the e-bike.
- › Stop riding the e-bike. Inform yourself about the meaning of the error information and take note of the solution.
- › If the meaning of the information is unclear, stop riding and turn the bike off. Contact the bike manufacturer, dealer or workshop for information on the next steps.

Fault information	Remedy
Speed sensor fault	Check the speed sensor and position of the spoke magnet.
Bicycle lighting faults	Turn off the system completely. Then check all cables and connectors of the front and/or rear lighting system. Restart the system.
Internal system error identified	Restart the system.
If the problem persists, contact an authorised e-bike dealer.	Restart the system. If the problem persists, contact an authorised e-bike dealer.
Brake lighting faults	Turn off the system completely. Then check all cables and connectors of the brake system. Restart the system.

If you experience any problems using your Brose Drive System, first check the items listed in the following table. In many cases, you can already remedy this yourself.

Symptom	Possible cause	Solution
Display unit and/or Brose Drive System cannot be activated.	Battery not correctly clicked into the holder.	If possible, remove the battery and reinsert it. Pay attention that it is in the proper position.
	Battery not charged up.	Charge up fully using the supplied battery charger.
	Battery contacts and/or holder soiled.	Make sure all contacts are clean. If necessary, clean with a soft, dry cloth.
	Display unit not correctly connected.	Check the plug connection of the display unit. Pay attention that it is properly connected.
	Display unit contacts and/or holder soiled.	Make sure all contacts are clean. If necessary, clean with a soft, dry cloth.
Display unit does not provide trip data even though the e-bike is in motion.	Plug connections on the drive unit not correctly inserted.	Check cabling and connections and connect them correctly if necessary.
	Spoke magnet not correctly mounted (distance to the speed sensor).	Check the mounting of the spoke magnet, in particular its distance to the speed sensor on the chainstay. This must be between 5 and 17 mm (see Fig B). Correct the distance if necessary.
Bicycle lighting cannot be activated.	Lighting cable incorrectly connected.	Check cabling and connections and connect them correctly if necessary.
Display unit indicates an error in the multifunction panel.	There is an active error in the system.	Please note the following table.

7. Service

7.1. Maintenance and Cleaning

- › Keep all components of your e-bike clean, especially the battery contacts and all exposed cable connections.
- › Prevent the drive unit from coming into contact with aggressive cleaning products and care products, in particular creep oils and brake cleaners.
- › The drive unit must not be submerged in water or cleaned with a high-pressure cleaner.
- › Have your e-bike system checked at least once a year (including mechanics, system software update, etc.).
- › For e-bike service or repairs, please contact an authorised Brose dealer.
- › Have all repairs done by an authorised Brose dealer.

7.2. Customer Service and Advice on Use

For all questions about the Brose Drive System and its components, please contact an authorised bicycle dealer.

Contact details of authorised bicycle dealers can be found on the website (Service)

www.brose-ebike.com

7.3. Inspection

NOTE: Have your e-bike system checked at least once a year (including mechanics, system software update, etc.).

For e-bike service or repairs, please contact an authorised bicycle dealer.

Information of authorised bicycle dealers can be found on the website (Service)

www.brose-ebike.com

7.4. Transport

If you have your e-bike outside of your car, e.g. you are transporting it on a car rack, remove the e-bike battery to avoid damage.

Even at a speed of over 100km/h, moisture can penetrate system components.

NOTE: Protect all e-bike components, such as the display, open plugs, etc. from penetrating water. You can obtain corresponding protectors from bike retailers.

The battery may only be shipped with dangerous goods packaging and the necessary warnings.

If you have questions about transportation, contact an authorised bicycle dealer. You can also get suitable transport packaging from the dealer.

7.5. Disposal

Drive unit, display/control unit, battery, speed sensor, accessories and packaging should be recycled in an environmentally friendly way. Do not throw e-bikes and their components in the household waste!

Only for EU countries



According to European Directive 2012/19/EU, electrical appliances that can no longer be used and, according to European Directive 2006/66/EC, defective or used batteries, must be collected separately and recycled in an environmentally friendly way.

Old machines, replacement parts and packaging are made of recyclable materials. The owner is obliged to dispose of them in accordance with legal regulations in a proper and environmentally friendly manner.

All plastic injection-moulded parts are provided with a recycling symbol.

REACH directive no. 1907/2006 (EC)

RoHS directive (2011/65/EU)

Please return any unusable Brose E-Bike components to an authorised bicycle dealer.

Subject to changes.

7.6. Liability

Brose Antriebstechnik GmbH & Co. Kommanditgesellschaft, Berlin, shall not be liable for damage to (or parts of) the bicycle resulting from incorrect adjustment of the moving parts of the bicycle or inappropriate use and/or maintenance of the bicycle (including late replacement of wear parts).

If Brose accepts a warranty claim, this in no case implies the assumption of liability for possible damages. In the event of disputes regarding the (correlative) damages suffered, Brose excludes any liability, as the company is not legally obliged to pay compensation.



WARNING! Any unauthorised modification to the components of the electrical system can be dangerous and will void warranty claims.

7.7. Copyrights

The contents of this manual are protected by copyright. Their use is permitted within the scope of use of the device. Any further use is not permitted without the written consent of the manufacturer.

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