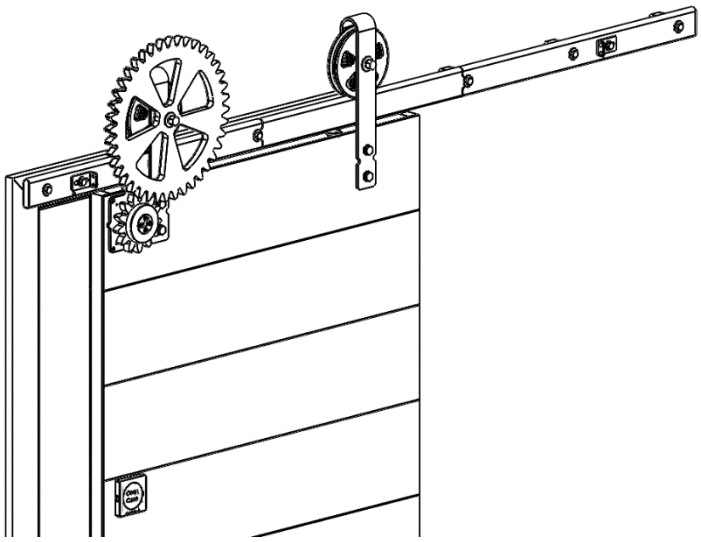

CE

User Manual

WooDrive E

Automated wooden sliding door system

Manufacturer:	Melu d.o.o.
Type:	E (electric)
Project number:	018663712

YEAR OF MANUFACTURE: 2023

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1 Imprint

1.1 Copyright

1.2 Address of the manufacturer and customer support services

Melu mizarstvo d.o.o.
Raduha 56
3334 Luče

Tel.: 03 839 3 880
e-pošta: info@melu.si
www.mizarstvo-selisnik.si

For more information, please contact our customer support services or one of our representatives.

2 Product identification

WoodDrive® by Melu CE	MELU, d.o.o. Raduha 56 3334 Luče Slovenia
Type: E **Factory number:** WD-yearmonthconsecutivenumber »WD202311001« **Year of manufacture:** 2023	
Dimensions l x w x h [mm]:	1900 x 110 x 470
Built-in motor:	24V 3,62A
Max no. of revolutions:	805 min^{-1}
Mass of the system [g]:	5920
Maximum allowed mass of the sliding door panel [kg]:	60 kg

Figure 1: ID plate.

3 Declaration of conformity

ES DECLARATION OF CONFORMITY

Based on the Rules on Machinery Safety (Official Gazette of RS, nos. 75/08, 66/10, 17/11 -ZTZPUS-1 and 74/11) - Directive 2006/42/EC (MD), Annex IIB

For a device named:	**WooDrive E**
Type (model):	E
Serial number:	WD-2023110001 to WD-2033129999
Manufacturer:	MELU d.o.o., Raduha 56**,** 3334 Luče**,** Slovenia
Name and address of the person, authorised to draw up technical documentation:	Blaž Selišnik, Raduha 56, 3334 Luče, Slovenia

With this declaration, we affirm that the mentioned device complies with the provisions of the following regulations and standards:

- Directive 2006/42/ES (MD)
- Directive 2013/30/EU (EMC)
- Directive 2014/53/EU (RED)
- Directive 2011/65/EU (RoHS)

Standards applied:

- EN ISO 12100:2011
- EN 303 446-1 V1.2.1:2019
- EN 303 446-1 V1.2.1:2019
- EN 61000-6-3:2007+A1:2011
- EN IEC 61000-6-1:2019
- EN IEC 61000-3-2:2019

Place and date:

Raduha, 14 November 2023

Signature of the person, authorised to draw up the declaration on behalf of the manufacturer:

Blaž Selišnik

Company stamp:

melu MIZARSTVO d.o.o.
Raduha 56, 3334 Luče, tel.: 00386/3/83-93-880
ID: SI66134994

4 Presentation of the WooDrive system

WooDrive sliding door systems are an innovation in the world of sliding doors, modern technologies and sustainable development, developed by the company Melu d.o.o. (www.melu-doors.com). The WooDrive by Melu brand comprises two products: WooDrive M (manual wooden sliding door system) and WooDrive E (automated wooden sliding door system). The WooDrive M sliding door system is a functional as well as an aesthetic enhancement of an ambient. It is universal and can be used with any door panel. It goes well with wooden as well as painted interior doors. WooDrive is an innovation, a combination of the charming appearance of wooden gears and modern technology, which allows you to operate the drive via motion sensors, a TouchPanel or the WooDrive mobile app.

4.1 WooDrive E

The WooDrive E automated wooden sliding door system is a universal system, appropriate for interior doors, wooden as well as made of other materials. The system does not need a mains power supply or any other additional installations, as it contains batteries within the drive system. The batteries are charged wirelessly, using the enclosed portable battery (PowerBank). During the first start-up, the system must be adjusted to its surroundings (length of the rail, direction of opening etc.) and the weight of the door panel that will be used with the drive. This is called Motion Calibration. After the calibration is finished, all the data are stored in the system and the system is ready for use.

4.1.1 Intended use

- Use especially with sliding doors made of wood, glass and metal, the panel weighing up to 60 kg,
- The drive is operated via a mobile phone, TouchPanels or other wireless devices.
- The device may only be used in dry, enclosed rooms!
- The safety instructions and all other information provided in this user manual must be followed!

This product meets the legal, national and European requirements.

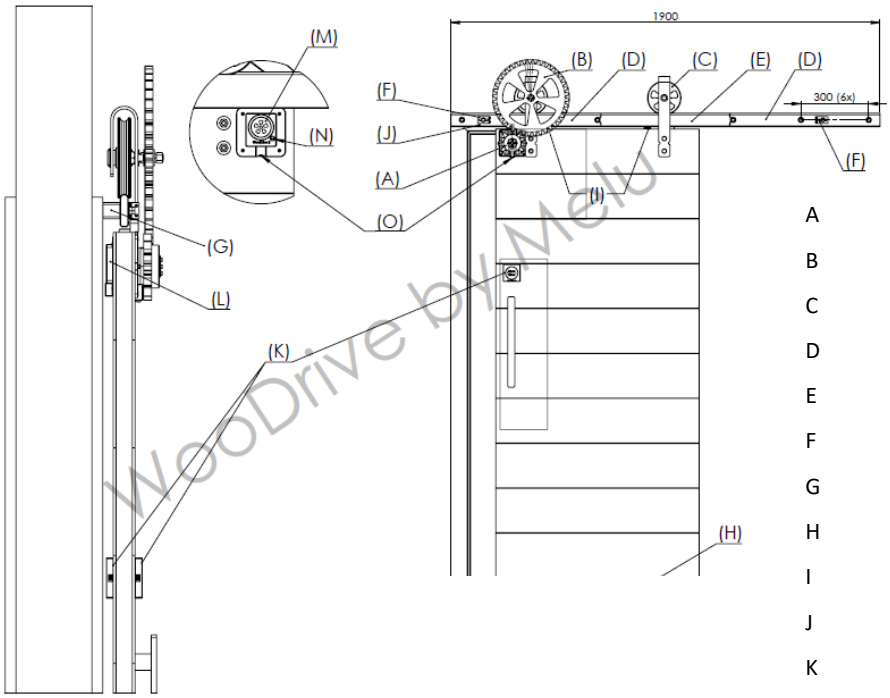


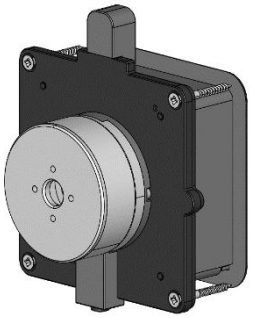
Figure 2: General view of the

A	Drive assembly (WooDrive drive system)
B	Drive/support mechanism
C	Support mechanism
D	Rail 1
E	Rail 2
F	Stopper
G	Spacer
H	Bottom rail
I	Safety cam lock
J	Magnet (Closed position)
K	TouchPanel (Touch-operated display)
L	PowerBank (Portable battery)
M	Space for inserting the powerbank
N	System reset button
O	Motion sensor

4.1.2 WooDrive drive assembly

The WooDrive drive assembly is the main part of the WooDrive E product, which contains all the elements for power supply, charging, communicating, control and operation of the drive. The drive assembly comes with a servomotor, the primary purpose of which is to move and operate the sliding door or, in more general terms, to move, lift or spin various objects between two final positions.

The drive allows you to change the speed of motor rotation, set the torque, time delays, set different operating modes, etc. In case an error is detected, it emits sound warnings. Motion sensors are located on the front and back of the drive assembly.



The drive automatically determines the direction of movement – opening/closing, the final position, and adapts to the weight of the load.

The drive assembly does not need to be connected to the power supply. It contains two Li-ion batteries with a capacity of 4900 mAh, which are charged using a Powerbank via an induction receiver (Wireless receiver).

5 Package content

- Main suspension mechanism with drive (1)
- Auxiliary suspension mechanism (2)
- WooDrive Drive system (3)
- Rails (2+1) (4)
- Spacers (5)
- Stopper 2x (6)
- Bottom rail (6)
- Safety cam lock 2x (6)
- Magnet 1x (6)
- Powerbank 1000mAh 1x (7)
- Wireless button 2x (8)
- Template for cutting (9)
- User manual
- Installation manual
- Powerbank manual

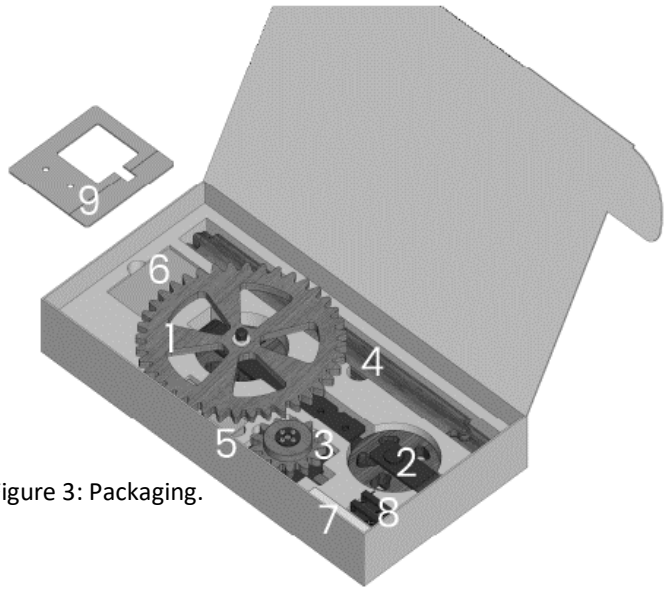


Figure 3: Packaging.

6 Explanation of symbols

	**The symbol with the exclamation mark warns of special hazards during the use, functioning or operation of the device.**
ATTENTION!	**This symbol warns of a situation in which, if the warnings are not followed, material damage may occur.**

7 Safety instructions

In case of damage incurred as a result of not following this instruction manual, your warranty will become void. We do not assume responsibility for consequential or indirect damage.

Warranty does not apply for material damage or physical injuries of persons, resulting from improper use of the device or failure to observe the safety instructions. In such cases, you shall lose the right to enforce warranty.

- Before installation, please read the enclosed installation manual carefully. Read all the steps for the installation and follow them carefully. Read the user manual before use. Save the manual, as well as the receipt and the warranty certificate! In case of a warranty claim, you will need to state the product number, invoice number and date of purchase. If possible, save the packaging and the enclosed template, as well.
- In case of improper installation, the warranty becomes void.
- Before the beginning of automatic operation, make sure all parts are properly attached!
- In case something is trapped in the door, it stops automatically and assumes the open position.
- When moving the door manually, be careful not to become caught in the door!
- **DO NOT reach into the moving parts, gears, wheels zone with your hands! Possible injury.**
- Do not repair the mechanism yourself – contact an authorised professional, dealer, or send an e-mail to service@woodrive.eu.
- Do not use the mechanism outdoors or in humid spaces!
- Only use the mechanism indoors!
- The mechanism may not be exposed to water.
- Use the mechanism only for its intended purpose – sliding door!
- Do not place the mechanism close to flammable objects!
- Make sure to prevent children from playing with the mechanism.
- When moving the door manually, open and close the door using moderate movements!
- Cleaning and maintenance works should not be performed by children. During maintenance and cleaning, make sure to switch off the drive!!
- The area where the door with the mechanism opens and closes must be free of objects that might restrict the movement of the door panel.
- Check regularly if the components of the mechanism are properly attached!
- Batteries installed in the system must not be taken out! If the batteries are damaged, do not use the drive!
- For safety reasons and for conformity reasons (CE), reworking and/or modifying the product by yourself is not allowed.
- This product is not a toy and therefore does not belong in children's hands! The product contains small parts that children may swallow. It also contains batteries.
- Do not use this product in hospitals or medical facilities. Although the product only emits relatively weak radio signals, these may cause interference with life-sustaining devices. The same may be true in other areas.
- The product must not be exposed to extreme temperatures, strong vibrations or heavy mechanical loads.
- The wireless switch can be used outdoors, but it needs to be placed in a sheltered area (e.g. under the eaves) near the drive assembly. It should not be used in or under water as it will be destroyed.
- It is intended to be used indoors and should not come in contact with moisture or wetness.
- Operation in evironments with a lot of dust, flammable gases, vapour or solvents is not allowed. Danger of explosion and fire!
- If a product shows the signs of damage, do not use it. Rather, have it inspected/repaired by a professional or dispose of it in an environmentally friendly manner.
- Be careful not to leave the packaging lying around unattended, as it can be a dangerous toy for your children.

8 Instructions for batteries and accumulators

- Batteries/accumulators do not belong in children's hands. Batteries and accumulators should not be left lying around the house, as children or animals might swallow them. Death hazard! If this happens, seek medical assistance immediately.
- Do not open batteries/accumulators, throw them into open fire or short-circuit them. Explosion hazard!
- When inserting/replacing batteries/accumulators, always ensure the correct polarity (observe plus/+ and minus/-).
- With old or end-of-life batteries/accumulators, chemicals may leak that can damage the device. When they come in contact with skin, leaking or damaged batteries/accumulators can cause lesions, so make sure to use appropriate protective gloves.
- Never mix batteries with accumulators.
- Do not mix batteries or accumulators of different conditions (e.g. full and partly full batteries).
- Always replace an entire set of batteries, never replace individual pieces only.
- Wireless switches are powered using a 3V battery of the CR2450 type.
- The drive assembly is powered using two Li-ion batteries with a capacity of 4900 mAh, which are charged with the help of a Powerbank (L) via an inductive (wireless) receiver.

9 Inserting and replacing the batteries

- **WIRELESS SWITCHES (TouchPanel)**
  - For the first use, a 3V CR2450 battery is already inserted in the switch. The battery powers both parts of the switch (TouchPanel), which are connected to each other with a cable.
  - Once emptied, the CR2450 battery must be replaced. Prior to the replacement, the movement of the system must be stopped.

- **WOODRIVE DRIVE SYSTEM**
  - For the first use, two Li-ion batteries of the 21700 type with a capacity of 4900mAh are already inserted. To replace batteries, please consult with your dealer, representative or manufacturer!
  - Unscrew the cover of PCB. Move aside the Wireless receiver, which is attached to the cover, but do not remove it. Remove the batteries and insert new ones with the same characteristics. While doing this, always ensure the correct polarity (observe plus/+ and minus/-). Reinsert the Wireless receiver and screw in the cover panel.
  - After replacing the batteries, the system is reset. Insert the PowerBank to activate the system, and then re-calibrate the system - Motion Calibration.

10 Installation

- Before installation, please make sure that the device and other components do not have visible damage.

After installing on the sliding door, the installer must fulfil the requirements as per Directive 2006/42/EC.

- **For installation, please observe the enclosed WooDrive E installation manual!**

In addition to this, the information in the user manual and safety information in the enclosed documentation of the built-in components, parts and devices must be followed unconditionally!

11 Warnings

WARNING!

Crush injury risk!

- During movement, it is prohibited to reach into hazard zones with your hand or other body parts where there is crush injury risk, i.e.:
  - between the door and the doorframe,
  - the gear.
- It is prohibited to remove safety elements or perform works without them (motor replacement, software replacement, removal of position stoppers).
- Always use the device in compliance with instructions!

WARNING!

Hands and body parts injury hazard!

- To avoid injury of persons and devices, unauthorised persons are prohibited from reaching into the interior of work equipment.
- It is necessary to observe the limitations of the device!
- The device must be installed at a minimum height of 1.8 m, to prevent children from reaching between the gears!
- It is not allowed to reach between the gears with hands or other body parts!
- If installed correctly and if the instructions are observed, the system operates with a force that cannot leave permanent consequences in case of an injury.
- In case of an obstacle in the door or the gears, the system automatically initiates a movement in the opposite direction.

12 First start-up of the system

12.1 WooDrive App

Before you begin using the system, download the *WooDrive by Melu* app on your mobile phone. Scan the relevant QR code to get the app.

Figure 4: Apple store.

Figure 5: Google play.

12.2 System activation

- Switch on the portable battery (L) by pressing the button until the lights light up (white and red). If the portable battery is empty, charge it first.
- Insert the portable battery in the designated compartment (M) with the lights facing downwards! The lights on the portable battery shall light up white and green, and a sound signal is heard, signalling successful charging.

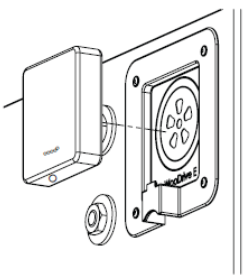


Figure 6: Inserting a portable battery.

- System is activated.
- Start the mobile app and connect with the WooDrive system.

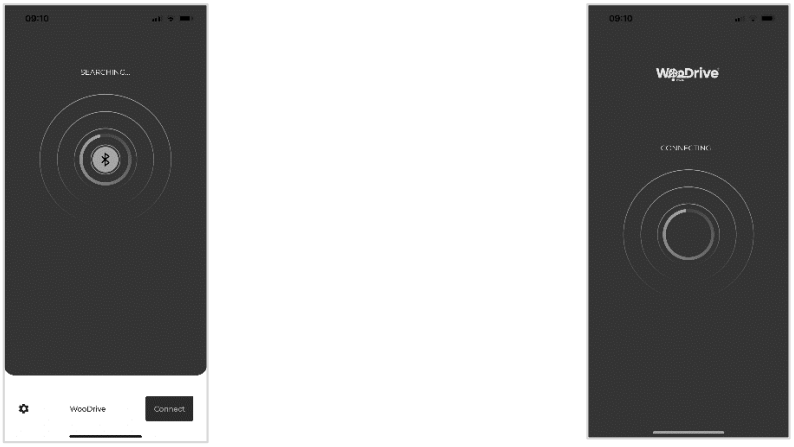


Figure 7: First connection with the WooDrive system.

13 Adjustment of the system – Motion Calibration

Upon first start-up, the system must be adjusted to its surroundings. This determines the length of movement, the direction of opening (left/right), adjustment of the system to the weight of the load that is driven, etc.

- The phrase Essential Calibration is displayed in the app, which means mandatory system adjustment.
- Position the door panel in the middle of the rail!
- If the system battery status is below 50%, wait until the portable battery (PowerBank) charges the system batteries to 50% or more.
- Make sure that there are no obstacles in the movement zone.
- Start the adjustment - Motion Calibration. The system starts moving slowly to one side and then the other. This is followed by a rapid movement to one side and then the other until the door is closed (magnet). Then the data are stored in the system (approximately 30s). After a successful calibration, a beep is heard (2x). The drive is ready for use.
- In case of unsuccessful calibration, the procedure is repeated.

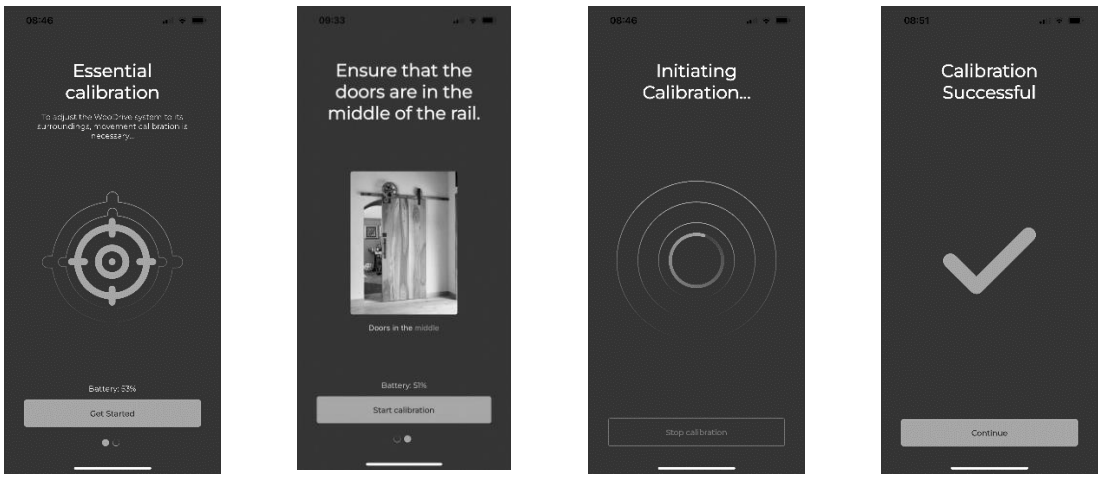


Figure 8: Motion Calibration.

14 Operating the system

After successful **Motion Calibration**, the system can be operated in several ways.

- Via motion sensors (O) (on the front and back side of the drive assembly).
- Via a touch button - **TouchPane**l (K).
- Via the *WooDrive by Melu* mobile app.

14.1 Motion sensors (O)

Motion sensors are situated on the front and back side (see Figure 2, O).

14.1.1 Motion sensors characteristics:

- The sensor senses within a radius of 1.5–2 m.
- During movement, the sensor does not sense. In case of movement, stop it with the **TouchPanel** (K). This will initiate automatic movement to the open position.
- Once the movement is stopped, the sensor needs about 3 seconds (stabilisation period) until it resumes sensing. During this time, movement can be activated using the **TouchPanel** (K) or the mobile app.
- In the final position, the sensor senses movement all the time.
- In the open position, when movement is no longer detected, the movement shall be carried out automatically after the set time – **OpenSpan.**
- Sensors are turned on and off.

Sensor ON:

- The sensor senses in the closed and open position of the panel.
- Sensor stabilisation period: 3 seconds.

Sensor OFF:

- While in closed position, the sensor does not sense, but in the open position, it senses nevertheless.
- Open using the **TouchPanel** (K) or mobile app.

14.2 TouchPanel (K) – Opening by pressing the screen

TouchPanel enables movement in all modes of operation (except when the system is switched off).

14.2.1 TouchPanel characteristics:

- Charging: Button batteries CR2450.
- Life span of batteries: approx. 6 months.
- Replacing the batteries: Battery is situated under the cover of the TouchPanel.
- Light upon activation (on the battery side).
- TouchPanel on the door panel – front and back.
- Manner of activation open/close: Capacitive sensor (a) or button (b).

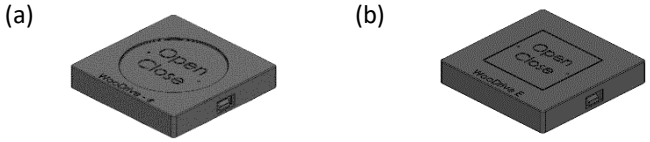


Figure 9: TouchPanel with a capacitive sensor (a) or button (b).

14.2.2 Operation of the TouchPanel

- By pressing the TouchPanel, movement is activated. It initiates movement to the left or right as required.
- You can stop the movement by pressing the TouchPanel (K). Movement is stopped and the door panel slides to the opposite final position.

- In case of an obstacle during movement, the movement stops automatically. After 3 seconds, the door automatically returns to the initial position. However, movement can be activated by pressing the Panel.
- In case of manual operation, activate movement by pressing the button or the drive will automatically go to the open position after 5 seconds.

14.2.3 Switching the system on/off using the TouchPanel (Optional: TouchPanel with a button – b)

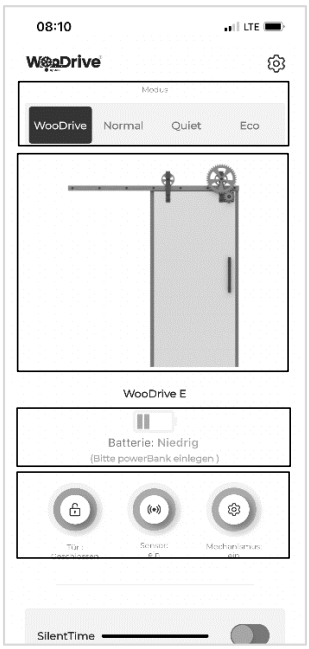
- TouchPanel with a button allows you to switch the drive on/off by holding the button for 5 seconds or more.

14.3 WooDrive mobile app

After successful system calibration, the app is ready for communication between the user and the WooDrive system.

14.3.1 App overview

The system is illustrated with an example where the system is already installed on a sliding door!



Current mode of operation

Position of the door panel, actual position of the panel

Display of system battery status and warnings

Opening/closing, sensors on/off, system on/off

Figure 10: App initial page.

The system enables various modes of operation:

- **WooDrive**
- **Normal**
- **Quiet**
- **Eco**

14.3.2 Modes of operation

14.3.2.1 WooDrive (OpenSpan, SilentTime)

WooDrive mode is a general mode where all the parameters can be set and the system can be operated in one place.

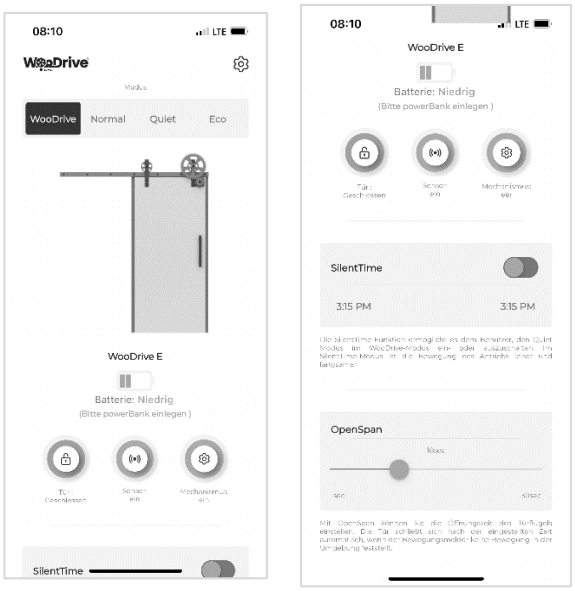


Figure 11: WooDrive mode.

- In this mode, the door panel is opened and closed using the Open/Close button.
- Switch the sensor on/off.
- Switch the system on/off. (Longer absence, cleaning, temporarily not using the system).
- WooDrive mode enables the **OpenSpan** and **SilentTime** features.
  - **OpenSpan** allows you to set the duration of the open position of the door panel from 0 to 30 s. The system remains in the open position for as long as the OpenSpan is set (take into consideration the stabilisation period of the sensor, i.e. approx. 3 seconds), if the sensors do not detect changes of movement in the surroundings. If the sensors detect a change, closing begins so many seconds after the last movement detection.
  - **SilentTime** allows you to set the time interval in real time from-to, in which the system operates in Quiet mode. In this mode, the system reduces speed, intensity of operation, and thereby also the noise generated by the gear. In this mode, the set time is stored and repeats every day if the feature is on. The feature can be turned off.

14.3.2.2 Normal mode (OpenSpan)

Normal mode offers optimal functioning of the system with the OpenSpan feature. The manner can be turned on at will.

14.3.2.3 Quiet mode (silent operation)

Quiet mode is a mode that ensures a quiet environment with quiet operation of the system, i.e. slower movement. It works the same as SilentTime in the WooDrive mode, but is not conditioned by a timeframe and can be turned on at any time. In this mode, OpenSpan is set to 30s and cannot be modified.

14.3.2.4 Eco mode (rational operation)

Eco mode is a mode that still ensures optimal movement, but at the same time ensures optimal charging of batteries when the PowerBank is inserted. With the OpenSpan feature, which is set to 60 s in this mode and cannot be modified, the number of openings and closings is reduced, extending the life span of the system.

14.3.3 Settings

14.3.3.1 Status of the TouchPanel batteries

In the settings, we can monitor the status of the TouchPanel batteries. Once the batteries are low, they need to be replaced.

14.3.3.2 PIN code and changing the PIN code

Before the first start-up, the system does not require the entry of a PIN code, as the latter is set by default. The factory-set PIN code is ***1234.*** You are recommended to change the 4-digit PIN, otherwise anyone in your vicinity can access your drive.

When changing the PIN, you first need to enter the existing PIN, then enter the new one and confirm it. Try to remember your new PIN. Avoid predictable combinations, such as 0000 etc.!

If you lose the set PIN code, you can reset it with Reset Device (This erases all your other settings: OpenSpan, SilentTime, Motion Calibration, which means that the device must be recalibrated with Motion Calibration) or using the physical RESET button on the back of the drive assembly (See Figure 1, N) – recommended!

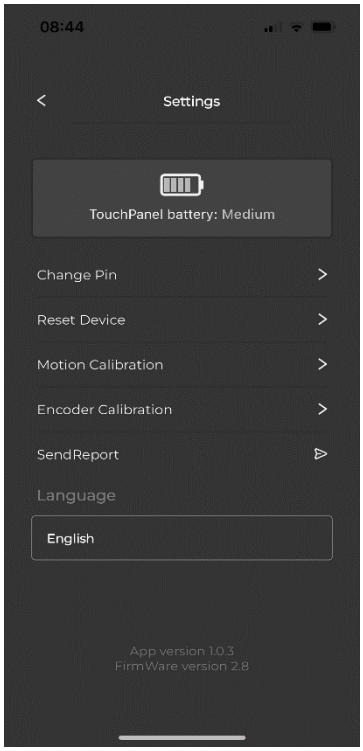


Figure 12: Settings.

14.3.3.3 Resetting the device

The system can be reset using the mobile app or the physical button on the back of the drive assembly (See Figure 1, N)

- **Resetting using the mobile app (Reset device):** This resets the settings of the OpenSpan, SilentTime, Motion Calibration. PIN resets to the factory preset ***1234.***
  Obligatory recalibration of the system – Motion Calibration and recommended resetting of the PIN code.
- **Resetting using the physical RESET button (See Figure 1, N):**
  - **Hold 3s** to reset PIN code,
  - **Hold 8s** to reset OpenSpan, SilentTime, Motion Calibration and PIN code. PIN is reset to the factory preset ***1234.*** Obligatory recalibration of the system – Motion Calibration and recommended resetting of the PIN code.

14.3.3.4 Motion Calibration

Motion Calibration allows you to recalibrate the system if it resets automatically during operation due to obstacles, strong manual movement, improper handling etc.

The drive automatically measures the length of the rail and determines the direction of opening. Then, the system makes a rapid movement to one direction, and then to the other direction until the closed position, where the max. system load is determined and adjusted to the door panel(s).

To recalibrate the system – Motion Calibration:

- Place the system with the door panel in the centre of the rail!
- If the system battery status is below 50%, wait until the portable battery (PowerBank) charges the system batteries to 50% or more.
- Make sure that there are no obstacles in the way of the door panel.
- Start the adjustment - Motion Calibration. The system starts moving slowly to one side and then the other. This is followed by a rapid movement to one side and then the other until the door is closed. Then the data are stored in the system (approximately 30 seconds). After a successful calibration, a beep is heard (2x). The drive is ready for use.
- In case of unsuccessful calibration, repeat the procedure.

14.3.3.5 Calibration of the motor – Encoder Calibration

Encoder Calibration is a factory setting that does not need to be reset without customer support. If the motor needs to be recalibrated, please contact your authorised dealer or customer support service@woodrive.eu. If you perform encoder calibration on your own, **the warranty becomes void**.

14.3.3.6 System status report - SendReport

System status report - SendReport is intended for providing Service Support with insight into the system status and easier assistance in case of potential defects. The report is sent to the e-mail address service@woodrive.eu.

14.3.3.7 Setting the language

The app allows you to set the language to English or German.

14.4 Updating the system and app

14.4.1 Updating the WooDrive firmware (FW update)

System update is carried out automatically via the WooDrive mobile app. The update process takes about 1 minute and is displayed as a percentage. During this time, the system does not work and should not be interrupted! The system update is obligatory, it improves the user experience and enables better system operation. You can see the version of the programme on the bottom of the Settings tab.

14.4.2 Updating the mobile app

Mobile app update is carried out at the user's request in the WooDrive mobile app. You can postpone the app update to a later time. The mobile app update process takes about three minutes. During this time, the system does not work and should not be interrupted! The app update is recommended; it improves the user experience and enables better system operation. You can see the version of the app on the bottom of the Settings tab.

15 Charging the system

15.1 Portable battery – PowerBank

- Capacity of the portable battery: 10000 mAh
- Charging: 500 mA
- The manual for using and handling the portable battery is enclosed in the original packaging.

15.2 Charging

- Switch on the portable battery (L) by pressing the button until the lights light up (white and red). If the portable battery is empty, charge it first.
- Insert the portable battery in the designated place (M) with the lights facing downwards! The lights on the portable battery shall light up white and green, and a sound signal is heard, signalling successful charging.
- For continued use of the system (without interruptions), you are advised to enter a charged portable battery as soon as the system displays the message "Please insert PowerBank" and the system will continue to operate without interruption.
- Check the battery status regularly.
- For easier insertion of the portable battery in the system, move the door manually towards the centre and then insert the portable battery with lights facing downwards.
- **Recommendation**: Once the PowerBank charges the batteries in the system, i.e. when it is emptied, recharge it and immediately insert it back in the drive assembly. This enables continuous functioning of the system.

15.2.1 Charging in case of a longer absence

If the system is not used for a longer period of time, the capacity of the batteries within the system may be reduced or the batteries may become damaged if they are not charged beforehand. This is why the batteries must be charged using the powerbank prior to a longer period of not being used!

WARNING! IF THE BATTERY IS PLACED TOO HIGH, PLEASE USE THE APPROPRIATE TOOLS FOR WORKING AT A HEIGHT!

16 General description of operation and errors

- Once the system is activated and motion calibration has been carried out successfully, the system is ready for operation.
- The system opens and closes automatically when the motion sensors are turned on.
- In case something is caught between the door, the drive stops and moves slowly to the other extreme point.
- If the drive detects operation outside the measured area, it starts with **automatic motion calibration.** This happens in the following cases:
    - if the drive detects a strong torque jump in motion,
    - if it detects a position outside the measured area.

  The phrase Essential Calibration is displayed and the drive starts moving slowly to one side and then the other. This is followed by a rapid movement to one side and then the other. Then it stores data for approximately 30 s. **The drive should not be interrupted during automatic calibration!**
- To ensure smooth operation of the drive, it is recommended to regularly monitor the battery status of the drive in the app. If the message in the app is "please insert powerbank", insert a charged portable battery. After the portable battery charges the batteries inside the system, remove it, recharge it, and put it back on the door panel. This prevents the internal batteries from being completely discharged and the drive from going into a state of inactivity.
- If, despite the app's warnings, the PowerBank is not inserted, the batteries within the drive are emptied and the drive goes to the LOW BATTERY state, placing the door in the open position automatically. The drive can no longer be operated via the app, the sensors or the button. However, it can still be moved manually. In order to continue using the drive, the PowerBank must be inserted, the batteries within the system must be charged to the MEDIUM mark, the button on the door must be activated, and the drive will beep twice, indicating that it is in normal operating mode again.
- To insert the portable battery, you can manually move the door panel while it is stationary and insert the portable battery. The door will automatically move into the open position or it can be moved with the help of the mobile app (open/close) or the button on the door.
- If something is caught between the door and the frame, the drive will stop immediately and slowly slide into the open position.
- While the door panel is closing, you can stop the movement by pressing the button on the door panel. The panel will then open with a rapid movement.
- When the door panel closes and the door is stationary, the sensor will not sense anything for about 4 seconds. During this time, the door can be opened using the button on the door panel or via the app. However, if the door panel is stationary for more than 4 s in the closed position, the panel will automatically move to the open position in case it detects movement. The duration of the open state can be set in the mobile app.
- When closing and opening the door manually, use moderate force!
- If necessary, the drive can be switched on/off via the app (Motor on/off) or the TouchPanel (only with TouchPanel with a button), thus enabling/disabling the operation of the drive.

17 Maintenance and cleaning

- With the exception of battery replacement, the product requires no maintenance.
- Before cleaning, make sure the door panel with the mechanism is stationary! **Make sure to switch off the drive!!**
- Exterior parts of the mechanism can be cleaned using a damp cloth.
- Do not use aggressive or abrasive detergents!
- Check regularly to make sure the components of the mechanism are properly attached!
- To preserve the capacity of the batteries and extend their life span, charge them constantly and monitor their status. In case they are left empty for a longer period of time, the batteries can become damaged or deformed upon recharging.
- Maintenance and repair works may only be carried out by an expert or a specialised workshop.
- The exterior surfaces of the product can only be cleaned using a clean and soft cloth. Do not use aggressive or abrasive detergents or chemical solutions, as they can destroy the housing or even have a negative effect on the functioning of the device.

18 Disposal of the product

18.1 General

- The product does not belong among municipal waste.
- At the end of its useful life, dispose of the product in accordance with the applicable legal regulations. Dispose of it at an appropriate waste collection facility.
- Remove the batteries or accumulators from the device and dispose of them separately.

18.2 General

- As a consumer, you are legally obliged (Decree on the management of batteries and automotive batteries, and waste batteries and automotive batteries) to return all waste accumulators. Disposal of such waste among municipal waste is prohibited!
- Accumulators that contain harmful substances are marked with this symbol, which means that batteries and accumulators are not to be discarded with municipal waste.
- The symbols for harmful heavy metals are: Cd = cadmium, Hg = mercury, Pb = lead.
- You can dispose of end-of-life batteries free of charge at the municipal landfill, at our company brances or anywhere where batteries are sold.
- This way you will fulfil your legal obligations and contribute to environment protection!

19 Technical data

- **WooDrive Drive system**

Nominal voltage and current:	12V, 3A
Power:	36 W,
Place of operation:	Indoors, free from humidity
No. of revolutions:	580 rpm
Temperature:	-20 °C / 60 °C
Air humidity:	Relative air humidity 40 % - 60 %
Weight:	1.1 kg
Dimensions:	115 x 115 x 100 mm

- **Wireless switch**

Power supply:	3V CR2450
Transm. frequency:	32 MHz
Range:	3 m
Place of operation:	Indoors, free from humidity
Temperature:	-20 °C / 60 °C
Air humidity:	Relative air humidity 40 % - 60 %
Weight:	0.1 kg
Dimensions:	75 x 75 x 11 mm

20 FAQ – Frequently asked questions

Answers to the frequently asked questions can be found at www.woodrive.eu.

21 Warranty Sheet

Thank you for purchasing our product. Please read the instructions carefully before using the product.

Seller's signature and stamp:	**Product number:**	**Date of purchase:**
	Invoice number:	
	Product name:	

Warranty:

Product name:	***Warranty duration:***
WooDrive M	*Technical functionality of the product – **24 months***
WooDrive E	*Technical functionality of the product – **22000 cycles or 24 months***
	*Electronic components – **22000 cycles or 24 months***

WooDrive is a product by the company Melu d.o.o., which guarantees for the quality and flawless functioning of the mechanism for the warranty period, which starts on the date of purchase. The warranty is valid only if the product is installed properly. Read the installation instructions carefully before installing the mechanism. The warranty shall only be valid for the technical aspect of the product.

Company stamp:

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ID: SI66134994

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Patent pending: EP23187981.8

Registered design: 008860928

Registered mark WOODRIVE BY MELU: 018663712