



**COSYWORLD®**

# **Cosy2Go**

**EN**

Operation manual

# Operation manual

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# 1 The products in this manual

The drive system technology from OCTO Actuators GmbH (Germany) is used to adjust furniture, sofas, mattresses or beds. These high-quality slatted bases offer you maximum quality and a variety of advantages. In this manual, we talk about 2M systems. The “M” stands for motor and the number for the number of motors. 2M means that it concerns a drive system with two motors. The warranty for our slatted bases is 10 years for the frame and 3 years for the drive.

For more information and details about this version, visit our website, [www.cosyworld.com](http://www.cosyworld.com), contact your dealer (seller) or our Service department on the phone number +49 (0) 30 9599967 80. Are you a dealer yourself and would like further information? Then contact our Partner

Service on the phone number +49 (0) 30 9599967 83 or by e-mail at [customer-care@cosyworld.com](mailto:customer-care@cosyworld.com).

We hope you enjoy using our “Made in Germany” product.






# 2 Parts supplied (standard)

The standard parts supplied for the slatted bases are defined as follows:

Series	Controller	Power adapter	Comments
Cosy2Go 2M	“Micro 2” wireless remote control	24SF	Options and accessories can change the parts supplied.

### 3 Important information on use and safety

#### 3.1 Symbols for guidance in this manual

Symbol	Signal word	Meaning
	<b>Danger</b>	The lightning symbol warns of danger from electric current.
	<b>Warning</b>	Warning of possible minor injuries to persons or possible property damage.
	<b>Caution</b>	Warning of possible defects or possible destruction of the device.
	<b>Important note</b> <b>Important tip</b>	An important note or tip regarding function is provided here.
	<b>Disposal and consideration for our environment</b>	This symbol indicates that batteries, motor parts, power adapters and other electronic devices may not be disposed of with domestic waste, but instead only via official collection facilities.

#### 3.2 Intended use or application



The safety information must be observed when using the product. Improper use can lead to injuries and product damage, for which no liability is accepted by the manufacturer of the Cosy2Go slatted base.

##### Information for devices with batteries

If the system will not be used for a prolonged period (e.g. holiday), it is recommended to remove the batteries from the remote control/transmitter and store them in an appropriate manner.



Batteries must be removed from the device before it is disposed of in the designated places. The device must be disconnected from the mains before the battery is removed. Batteries must be disposed of at appropriate public collection points/disposal systems.



It is not necessary to re-establish contact between the wireless remote control and motor unit following a power outage, if the plug is disconnected from the mains or if the batteries in the handheld transmitter are replaced. The connection that has already been saved is retained. Only use original parts and original accessories.



#### **Overloading of the Cosy2Go 2M slatted base**

Overloading of the head or foot side should be avoided so that the gears of the drive mechanism are not damaged. The Cosy2Go 2M slatted base is not intended for continuous operation. The system must not be operated for longer than 2 minutes. After 2 minutes of continuous operation, a minimum break of 10 minutes must be observed.

The maximum load, distributed evenly over the lying surface\*, must not exceed the following limit values!

Slatted base	Max*
Cosy2Go 2M	150 kg

### **3.3 Safety information**



Before connecting the controller to the mains, please compare the mains voltage with the input voltage stated on the rating plate of the controller. The rating plate is located on the underside of the controller.



Mains voltage and input voltage on the rating plate must be identical. If this is not the case, the controller must not be connected to the mains. In this case, please contact the supplier.



To prevent injuries or damage, the technology may only be operated if there are no people or animals underneath the slatted frame (bed) and objects between the raised (or flat) drive unit and the frame.



Please ensure that no limbs or objects are in the immediate vicinity of the levers or cables (danger of crushing, danger of being pulled in).



The entire system must be protected from moisture and may not be exposed to direct sunlight for a prolonged period.



Please ensure that the mains plug is always freely accessible so that it can be disconnected from the mains quickly in the event of danger. The mains connection cable must also be exposed. Please ensure that no objects are placed on the cable and that the cable is not trapped.



The mains connection cable must be checked for visible damage once a year.



Due to the risk of an electric shock, a damaged mains connection cable may only be used by the manufacturer, its customer service department or a similarly qualified person.



Please note that the wireless connection can only be used if there is visual contact with the bed (e.g. not from the neighbouring room).



This device can be used by children over the age of eight (8) years and by people with limited physical, sensory or mental capabilities or a lack of experience and/or knowledge if they are supervised or have been taught how to use the device safely and have understood the resulting dangers. Children may not play with the device.



People with cardiac insufficiency or a pacemaker should have their use explicitly authorised by a medical specialist.



If you are not using the drive technology for a prolonged period, remove the remote control/handheld transmitter to prevent it from being used by (for example) children in a way that is not in accordance with the specifications.



You should also carry out a functional test for your safety before using the device again. All adjustment areas must be completely raised and lowered once.



The system may only be opened or repaired by authorised professionals!



Unauthorised repairs and modifications exclude the manufacturer's liability for any resulting damage! Failure to comply with these specifications may endanger persons.



During transport or maintenance work, etc., please ensure that the cables and/or sheaths are re-installed/re-inserted correctly.



The system may only be used with the original components intended and supplied for use. This applies to the mechanical components as well as to the controllers and power adapters.

## 4 Getting started and operation

### 4.1 Instructions for unfolding: Cosy2Go 2M

**Step 1:** After you have removed the Cosy2Go frame from the packaging, set it up in front of you as shown in the following image.



#### To video instructions

Assembly setup video





**Step 2:** Hold the short side of the Cosy2Go frame with two hands and lift it as shown in the following image.

**Important!** Both sides of the folding hinge must lock into the notch, see detailed illustration above (audible metallic click).



**Step 3:** Then fold the short side of the Cosy2Go frame upward, as shown in the following images. It is essential here to ensure that the hinge folds correctly, as otherwise the product cannot lie horizontally.



**Step 4:** Now lay the Cosy2Go frame down on a flat surface (preferably the floor) as shown in the following image.

**Please note:** If the Cosy2Go slatted base looks like the image below



when it is laid down, fold the frame up again and proceed from step 2 of these instructions again. You have most likely unfolded the frame from the centre.



**Step 5:** Now screw the screws supplied (4 pcs.) into the threads provided in the folding hinges. This secures the Cosy2Go frame from being folded up again.

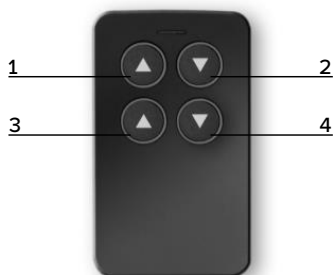


**Step 6:** You can now place the Cosy2Go frame in your bed and enjoy the versatility it offers.

## 4.2 Cosy2Go 2M controller and power adapter

The following illustration symbolically explains the function of the buttons on the handheld transmitter.

### Button functions



Wireless transmitter

Buttons 1 and 2 adjust the back section. Buttons 3 and 4 adjust the foot section. The left buttons 1 and 3 control the system upwards. Buttons 2 and 4 downwards.



Wireless receiver

### E-Power power adapters



#### 24SF power adapter

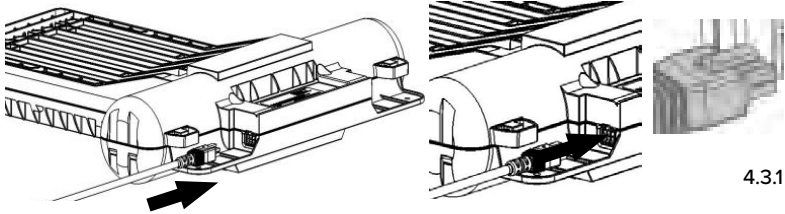
- 1 Power cable 230 V
- 2 Motor cable 24V



The green LED on the power adapter lights up when the power adapter has been connected to the power source and thus indicates that it is ready for operation.

### 4.3 Connecting the remote control/wireless receiver to the motor

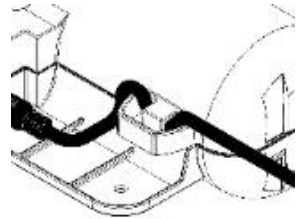
Connect the plug of the wired remote control or the wireless receiver to the socket on the motor. Ensure that the clip on the plug “4.3.1” is aligned correctly with the socket. This must be locked into place correctly.



#### Strain relief clamp



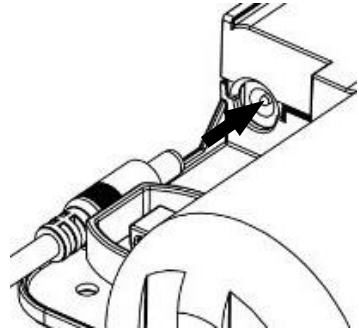
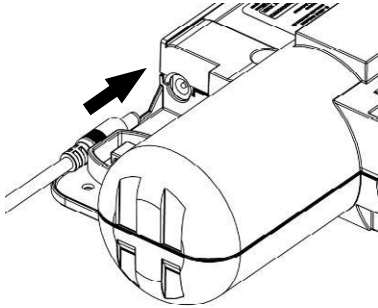
Then feed the power cable through the strain relief clamp. Prevent the cable from being crushed and make sure that no cables can become jammed and damaged later on when moving the bed.



The plug can then only be removed when the plug clip “4.3.1” is pressed at the same time that the plug is removed from the socket on the motor.

#### 4.4 Connecting the power adapter to the motor

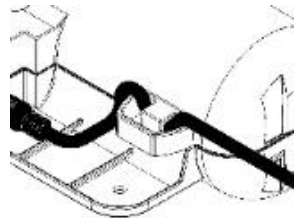
Connect the DC plug (secondary cable) of the power adapter to the DC socket on the motor.



#### Strain relief clamp



Then feed the power cable through the strain relief clamp. Prevent the cable from being crushed and make sure that no cables can become jammed and damaged later on when moving the bed.



## 5 Possible operating modes

### 5.1 D-synchro mode (parallel control) Cosy2Go 2M slatted bases

In the event that you want to connect two Cosy2Go slatted bases in one bed in order to move these at the same time (parallel), the following options are available to you.

#### Preparation



Dual synchro cable 6P Art. 6354



Remove the remote control cable or the wireless receiver from the corresponding socket on the motor of both Cosy2Go slatted bases. Keep the plug clips pressed and carefully pull out the plugs.

Connect both motors of the slatted frames with the dual synchro cable using the sockets on the control units that are now empty. Finally, install the cable so that you can screw it to the left and right halves of the bed using the screw connection on the distributor blocks.

Insert the plugs of the corresponding remote control or wireless receiver into one distributor (left and right) of the dual synchro cable. You can now use the wired or wireless handheld transmitter (A or B) on the left or right of the bed to adjust the bed. Never together. The handheld transmitter/remote control pressed first takes priority.



In D-synchro mode, both sides of the bed may become offset when moved, depending on the respective load on one or the other side of the bed. This is not grounds for complaint. If an offset should occur, move both sides in parallel to the topmost position and then back down again.



## 5.2 SMART APP controller Micro 2 RF



For safety and to prevent unauthorised use of the APP, it is necessary for the user to assign a PIN (code).

### SMART APP – Getting started (PIN/CODE)



Please download and install the app onto your mobile device via the respective provider's platform.

To search for the app, enter:  
OCTO SMART CONTROL

The QR code automatically takes you to the app.

Launch the OCTO SMART APP.



Please note: The start screen may have a different design. This may be due to your dealer using a personalised “Advanced” version of the SMART APP. The product brand is then displayed.

Smart App



Search screen



Now go to your bed (sofa or lounger). **Make sure** that the motors are connected and that they already work perfectly with the remote control provided.

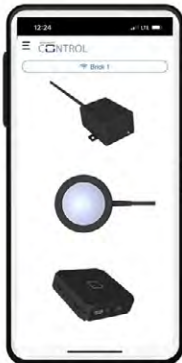
Launch the OCTO SMART APP. Follow the information on the screen. The app looks for wireless receivers that can be connected to the app.

If necessary, you can start the device scan using the “**Scan**” button at the top right to display your receiver.



If the **device does not appear** in the list, you must activate **pairing mode** – as shown in the next step. Click on “**Further information**” and follow the instructions in the next chapter “**Connecting the SMART APP to the receiver and entering the PIN/code**”.

### Connecting the SMART APP to the receiver and entering the PIN/code



List of receiver types

Select the receiver type in the list and follow the instructions to activate **pairing mode**.



The following groups (wireless remote controls) can be switched to **pairing mode** in the same way as explained in the instructions, as shown below.

### Activating pairing mode

Group 1



Press for 3 sec.





List of receivers



If other receivers are found by chance, please use the signal strength as a guide. If you are very close to the bed, these devices have the strongest signals.

The OCTO SMART APP has **successfully searched for wireless receivers** when these are displayed on the screen.

**Now connect to a receiver.** To connect, tap now on the desired receiver.

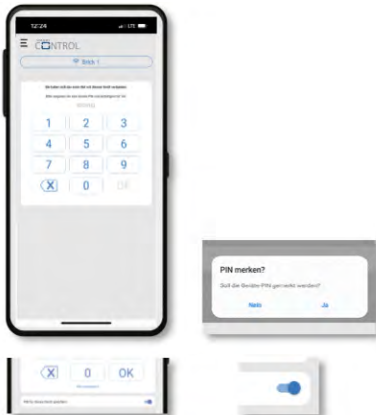


When using the app for the first time and if you have two beds (sofas, mattresses) in use, both receivers are displayed with the same name.



For safety reasons, only one user can be connected to the app and the receiver at the same time.

## Entering and saving the PIN/code in the SMART APP



Entering/saving the PIN CODE

Once you have connected to the receiver, you are asked to assign a PIN.

Now enter the desired PIN and tap on "OK". To confirm, enter the code again and tap on "OK".

You will see a notification asking whether you want to save the PIN. Confirm with "Yes".

**In addition,** you can use the slider below the input field on the start screen to set whether your mobile device should remember the PIN for the future.



This allows you to connect the mobile device to this wireless receiver in the future without entering the PIN again.



The PIN code is **ONLY** saved on this mobile device. When you use the APP again, the saved PIN is automatically loaded.



If you have equipped your wireless receiver with a PIN and your **mobile device does not allow the PIN to be saved (slider “off”)**, you must enter the chosen PIN to unlock and confirm with “OK” when connecting with the device later on.



You can also switch the saving of the PIN on and off at any time under “Device security” in the menu.

### Entering a new PIN code/PIN code forgotten (reset) in the SMART APP



You have forgotten the PIN code.

Click on “**PIN forgotten?**” in the app under the input field and you will be taken to a page with further instructions on resetting your receiver.



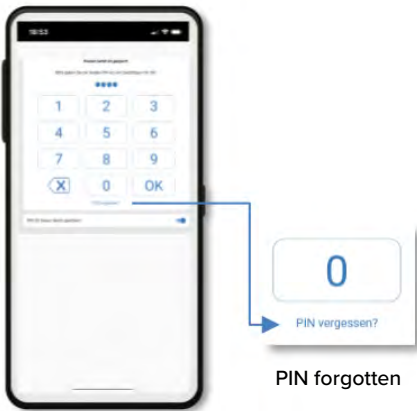
Proceed in the same way as described below to reset the receiver to the factory settings.



After resetting the controller, the may have to pair your wireless handheld transmitter again!



You can then connect the receiver to the app again by following the instructions mentioned earlier.



Delete/reset PIN code

## Factory settings/reset

Press for 10 sec.



## Consequences of the reset

PIN is reset. Wireless handheld transmitters remain paired.

PIN is reset. Wireless handheld transmitters (RF/BT) are reset.

PIN is reset. Wireless handheld transmitter is reset.

## 6 In the event of a fault or a power outage

If you have questions or problems, please contact the dealer (seller) or our Customer Service department:

**Tel. +49 (0) 30 9599967 80 / [info@cosyworld.com](mailto:info@cosyworld.com)**

Are you a dealer yourself and would like to receive information?

Then please contact us on our Partner Hotline:

**Tel. +49 (0) 30 9599967 83**, or send us an e-mail to **[b2b@cosyworld.com](mailto:b2b@cosyworld.com)**.

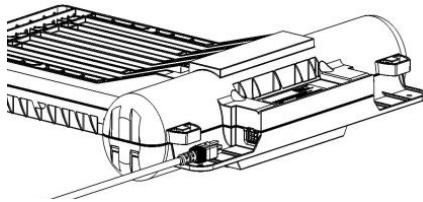
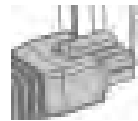
## 6.1 Recoding the wireless remote control. (Wireless transmitter A to wireless receiver A)

On delivery, the wireless transmitter and the wireless receiver are coded to one address. In the event of a fault, the wireless transmitter can be recoded to the wireless receiver. To do this, proceed as follows:



Ensure that the power supply is connected!  
(Connect the power adapter to the motor and to the socket correctly; chapter 4)

Unplug the wireless receiver from the motor socket. Keep the plug clips pressed and carefully pull out the plugs.



After waiting for 10 seconds, connect the plug of the wireless receiver to the socket on the motor.

**The wireless receiver is now in pairing mode for 40 seconds.**

The LED on the wireless receiver flashes. (LED from 01/2021).

Now pick up handheld transmitter A and press any button to confirm the pairing process.

Wireless handheld transmitter A is now paired to the wireless receiver and the bed can be moved. Perform a test. If malfunctions occur, repeat the procedure.

## 6.2 Mechanical emergency lowering function Cosy2Go 2M



### To video instructions

Emergency unlock setup video



#### What to do in a power outage?

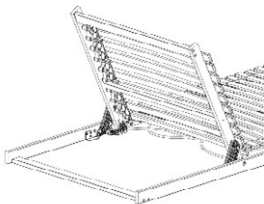
In the event of a power outage, the back and foot areas can be lowered manually. Mechanical emergency lowering is a mechanism for all conceivable cases and is an option that is always available for lowering the COSY-Cosy2Go-Master slatted base (back and foot area). This can also be used in the event of a mechanical fault due to overloading.



Important! There must be no one on the bed. Remove the mattress. If possible, carry out this procedure with the help of a second person.

Depending on the drive system, proceed as follows:

Make the areas of the adjustment mechanism easily accessible, take the load off them and secure the extended zones against sudden collapse after activating the emergency lowering mechanism (if necessary by a second person).

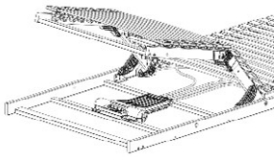


**Step 1:** The image shows the back zone. Push the back zone towards the seat section until the levers (left and right) are free. Keep the back zone pressed and push the barrel out of the lever. (Step 3)

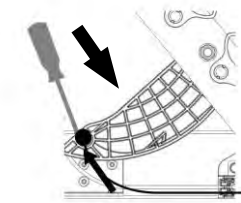
Proceed in the same way in the foot area



In the event that calf supports are integrated into the system (left and right), you must first remove the screws for the supports.



**Step 2:** Use a small screwdriver or another suitable object to drive into all the bearing seats of the cable pulls one after the other (head and foot side separately) and release them from their safety catch **by pushing the 'barrel' located there inwards.**



**Step 3:** You can now lower the zones back to their default position.

Carry out this process for each zone.



**Important!** Before restarting, all of the cable pulls must be fixed back into their intended position, otherwise there is a risk of damage to the drive.

### 6.3 5-minute check

The Cosy2Go 2M frames are designed so that individual components can be replaced without the bed or the entire drive system having to be replaced. The following 5-minute check is a questionnaire that quickly provides a result regarding the cause of a fault and recommendations on what to do.



First, use your purchase documents and the product rating plates on the motor and on the power adapter to determine which drive version you have. (see chapter 1, chapter 2)

#### Step 1

Please first check whether ...

Indications for sources of faults

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the device is connected to the mains	Plug socket or distributor box
all cables are inserted correctly	Power cable to the motor, remote control cable or wireless receiver cable to the motor
the batteries have been inserted correctly or are empty	Wireless handheld transmitter
the cables or plugs have visible damage	In this case, switch off the power
the bed system now functions correctly	If not, continue to the next step

## Step 2 (Cosy2Go 2M)

<b>5 min. Check – remote control/wireless handheld transmitter</b> Push the function buttons and note the result.		yes	no
1	Head and foot section adjustment button 1 “Up” and button 2 “Down”		
1A	Do you hear a motor sound?		
1B	Does the zone move up and down correctly?		
2	Knee and foot section adjustment button 3 “Up” and button 4 “Down”		
2A	Do you hear a motor sound?		
2B	Does the zone move up and down correctly?		



If you have two bed systems, check whether the other system works correctly. If yes, you can use the faulty component in this by swapping components (replacement procedure) and quickly determine whether this malfunction is also evident there.

## Combinations for simple faults of the operating elements

No.	S1	S1	S1	S2	Recommended action
1A	yes	no	yes	no	<b>S1</b> , Presumably a fault with the handheld transmitter or the wireless set (receiver and transmitter). If you have a second bed, swap over the units (ruling-out procedure). If the fault is also present there, the operating unit is faulty.
1B	yes	no	yes	no	
2A	no	yes	yes	no	<b>S2</b> , Check the power source, the batteries and cable (as described above). If you have a second bed, swap over the power adapter (ruling-out procedure). If the fault is also present there, the power adapter is faulty.
2B	no	yes	yes	no	

#### Combinations for mechanical faults

No.	S3	S3	S3	S3	S3	S3	Recommended action
1A	yes	yes	yes	yes	no	no	<b>S3</b> , Presumably a fault with the mechanism or the motor. If possible, take pictures and record videos that clarify the scenario. Contact your dealer (seller) or our Service department for further steps.
1B	no	yes	yes	no	no	no	
2A	yes	yes	yes	no	yes	no	<b>Loud noises/twisting:</b> Presumably a fault with the mechanism. If possible, take pictures and record videos that clarify the scenario. Contact your dealer (seller) or our Service department for further steps.
2B	yes	no	yes	no	no	no	

### Step 3

#### S Further steps

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**S1/S2** Under warranty, contact your dealer (seller) or our Service department (chapter 6). Replacement deliveries for remote controls, wireless sets, power adapters, hooks are free of charge during the warranty. You will receive a return note for returning the faulty part. We also ask that you get in contact outside of the warranty. Parts deliveries and services are then subject to a charge and must be paid for in advance.

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**S3** Mechanical faults can generally have many causes. These are usually attributable to mistakes during assembly, during delivery or overloading during use. As our systems are designed in such a way that it is not necessary to replace the bed (the entire system with the bed), repairs can be carried out on site by a trained service technician as part of the seller's simple rectification options. Contact your dealer (seller) or our Service department in any case. Damage under warranty and within the scope of rectification (without third-party fault) will be repaired free of charge. There is a charge for repairs for damage outside of the warranty and in the event of culpable third-party influence.



Before getting in contact with your dealer (seller) or our Service department, we ask that you carry out steps 1 and 2 carefully and record the results in the tables provided. Videos, images and your personal observations are important information that are very helpful during the analysis. Also keep your purchase receipt to hand.



Complaints are always unpleasant and we always want to satisfy you as a customer. However, it is possible that a complaint may arise. Each of us is familiar with this from our everyday lives and from our own experience. We therefore ask for your understanding and thank you in advance for your co-operation, which will lead to a quick solution and rectification of the complaint.



If you have questions or problems, please contact the dealer (seller) or our Service Hotline: Tel. **+49 (0) 30 95 99 96 780**.

Are you a dealer yourself and would like to receive information about this? Then get in touch with our Partner Service: by phone +49 (0) 30 95 99 96 783 or by e-mail to [info@cosyworld.com](mailto:info@cosyworld.com).

## 7 Technical data

We reserve the right to make technical changes that improve the system.

Manufactured in accordance with VDE, Protection Class II, tested in accordance with LGA /TÜV

Mains connection	100–240V AC 50–60Hz 1.6A
Protection class of the entire system	IP 20, Class II
Power-on time / intermittent operation	2 min. / 10 min.
Number of motors	2
Design of the motors	24 V DC
Maximum load (distributed evenly across the entire lying surface)	150 kg
Recommended room temperature	+10° to +40°C
Relative humidity	30%–75%
Power adapter type	SMPS
Eco-Design EC 1275/2008 Standby > 0.30 watt	E-Power 24SF
Our warranty from the time of delivery	2 years

## 8 Maintenance and cleaning



Attention: Disconnect the plug from the mains beforehand.

If necessary, the entire Cosy2Go slatted base can be cleaned with a dry cloth. The entire drive system is maintenance-free.

## 9 Disposal



The symbol on the product or its packaging indicates that the product must not be disposed of with normal domestic waste.



Users are obliged to take waste devices to a collection facility for waste electrical and electronic equipment. The separate collection and proper disposal of your waste equipment helps to preserve natural resources and guarantees recycling that protects human health and the environment. Information about where you can find collection points for your waste equipment can be obtained from your municipality. Information obligation in accordance with Section 18 of the Batteries Act (BattG). Make sure that you take your waste batteries/rechargeable batteries to a municipal collection centre or local retailer, as required by law. Disposal via ordinary domestic waste is prohibited and infringes upon the Batteries Act.

Depositing the batteries is free of charge for you.

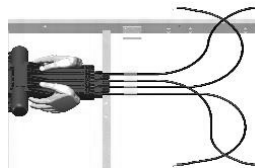
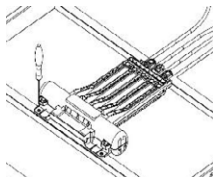
Our systems are designed so that the components that need to be disposed of are easy to separate. The EAR regulation (EAR registration number) is taken into account and applied by the seller (end consumer's dealer).

### How to dismantle the motor

**Preparation** You do not need any special tools for dismantling. Use the screwdrivers, tool spanners and tools available to you based on the screw design.

**Implementation**

- 1) Disconnect the plug from the mains
- 2) Remove the power adapter and the controller (cable or wireless) from the motor.
- 3) Remove the motor screws and the motor from the unit.
- 4) Push the Bowden cables out of the adjustment levers



## 10 EU declaration of conformity / CE DoI conformity

EU declaration of conformity is issued by the company Cosyworld GmbH within the framework of the Machinery Directive to the manufacturer and trading partner in accordance with the following directives:

- EU Directive 1999/5/EC “R&TTE Directive”
- EU Directive 2004/108/EC “Electromagnetic Compatibility”

The declaration of conformity is deposited with the manufacturer.  
Document owner: Cosyworld GmbH



You can find the EU Declaration of Conformity on the following pages.

## 11 Miscellaneous

For further information, we recommend our information on the Internet: [www.cosyworld.com](http://www.cosyworld.com)

**Contact details:** Cosyworld GmbH, Jägerstraße 54, 10117 Berlin

**Customer Service:**

Tel. +49 (0)30 95 99 96 780

E-mail: [info@cosyworld.com](mailto:info@cosyworld.com)

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as defined by the Machinery Directive 2006/42/EC, Annex II, 1. A  
Original

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## The sole responsibility for issuing this declaration of conformity lies with the manufacturer

Cosyworld GmbH  
Jägerstraße 54  
DE - 10117 Berlin

## Person authorised to compile the technical file, who must be established in the Community

Marc Kordmann  
OCTO Actuators GmbH  
de Werth Straße 1  
DE - 97947 Grünsfeld

## Description and identification of the machinery

Product	COSYWORLD Cosy2Go
Commercial name	Cosy2Go
Model	2M
Function	The product function focuses on being purchased as an external device and placed in existing beds to provide a simple motorised adjustment of the mattress.

## It is expressly declared that the machinery fulfils all the relevant provisions of the following EC Directives and Regulations:

2006/42/EC	Directive 2006/42/EC of The European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast) Published in L 157/24 on 09.06.2006
2014/30/EU	Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast) Published in 2014/L 96/79 on 29.03.2014
2014/35/EU	Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits Published in 2014/L 96/357 on 29.03.2014
2011/65/EU	Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment Published in 2011/L 174/88 on 01.07.2011
2015/863	Commission Delegated Directive (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances
2012/19/EU	Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE)
1907/2006	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC Published in L 396/1 on 30.12.2006
2014/53/EU	Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC Text with EEA relevance

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## Reference to the applied harmonised standards in accordance with Article 7(2):

EN 60335-1:2012/AC:2014	Household and similar electrical appliances - Safety - Part 1: General requirements IEC 60335-1:2010 (revised)
EN 60335-1:2012/A11:2014	Household and similar electrical appliances - Safety - Part 1: General requirements IEC 60335-1:2010 (revised)
EN 60335-1:2012/A13:2017	Household and similar electrical appliances - Safety - Part 1: General requirements
EN 60335-1:2012/A1:2019	Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2010, revised) (amendment)
EN 60335-1:2012/A14:2019	Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2010, revised) (amendment)
EN 60335-1:2012/A2:2019	Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2010, revised) (amendment)
EN 60335-1:2012	Household and similar electrical appliances - Safety - Part 1: General requirements
EN 55014-1:2017	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
EN 55014-2/A1:2001-12	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard
EN 55014-2:1997/A2:2008	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard
EN 55014-2:1997-02	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard
EN 61000-3-2:2014	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current $\leq$ 16 A per phase) IEC 61000-3-2:2014
EN 61000-3-3:2013	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq$ 16 A per phase and not subject to conditional connection IEC 61000-3-3:2013
EN 61310-2:2008-01	Safety of machinery - Indication, marking and actuation - Part 2: Requirements for marking
EN 55014-1:2017/A11:2020	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
ETSI EN 301 489-1 V2.2.3 (2019-11)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility
ETSI EN 301 489-3 V2.1.1 (2019-03)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
ETSI EN 301 489-17 V3.2.4 (2020-09)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard for ElectroMagnetic Compatibility
ETSI EN 300 440 V2.2.1 (2018-07)	Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Harmonised Standard for access to radio spectrum
ETSI EN 300 328 V2.2.2 (2019-07)	Wideband transmission systems - Data transmission equipment operating in the 2.4 GHz band - Harmonised Standard for access to radio spectrum
IEC 62479:2010	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)
EN IEC 61547:2023	Equipment for general lighting purposes - EMC immunity requirements (IEC 61547:2020)
EN IEC 55015:2019 + A11:2020	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment (CISPR 15:2018 + ISH1:2019)
EN IEC 62368-1:2020 + A11:2020	Audio/video, information and communication technology equipment



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## Reference to the other technical standards and specifications applied:

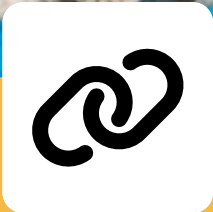
EN 55014-2:2015	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard (CISPR 14-2:2015)
EN IEC 61000-3-2:2019	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase) (IEC 61000-3-2:2018)
EN 61000-3-3:2013/A1:2019	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16$ A per phase and not subject to conditional connection (IEC 61000-3-3:2013 + A1:2017)
EN 349:1993+A1:2008	Safety of machinery. Minimum gaps to avoid crushing of parts of the human body
IEC/IEEE 82079-1:2019	Preparation of information for use (instructions for use) of products - Part 1: Principles and general requirements

Berlin, 23/03/2023

Place, date .....



Signature  
Philipp Boelsen  
Managing Director



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