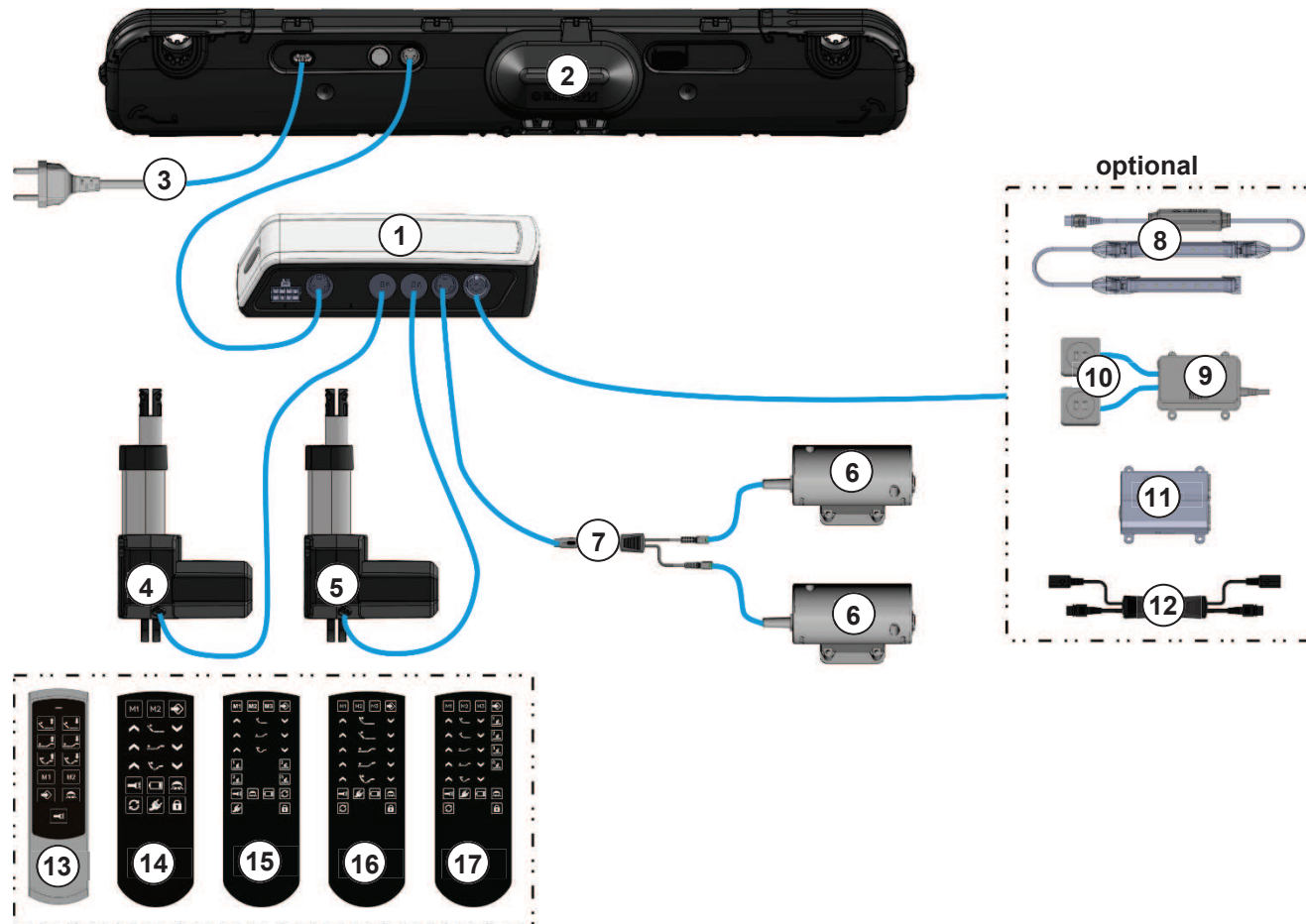


HE150 System Quick Guide

System overview: HE150 / OKIMAT 4 / RF-TOUCH / RF-TOPLINE

CAUTION! Electrical components should be connected or disconnected only when the power supply cord is unplugged.

CAUTION! There is a delay after the supply voltage is applied before the device actually turns on. Wait at least two seconds before beginning the commissioning.

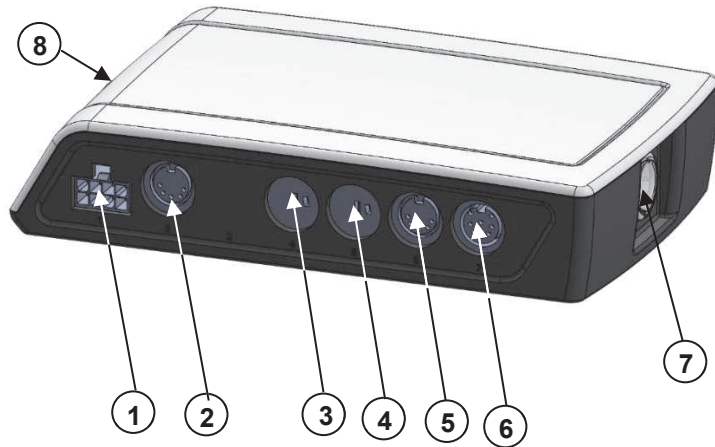


Components that can be connected:

1. HE150
2. e.g. OKIMAT 4 IPSe
3. Mains supply plug e.g. EU version
4. **Optional** (head rest M3): DELTADRIVE DZ
5. **Optional** (foot rest M4): DELTADRIVE DZ
6. **Optional**: Massage motor
7. **Optional**: Adapter cable (2x massage motor)
8. **Optional**: LED-Set
9. **Optional**: USB CHARGER
10. **Optional**: USB SOCKET
11. **Optional**: POWER DOWN BOX
12. **Optional**: Distribution cable
13. RF-TOPLINE
14. RF-TOUCH (2 motors without massage)
15. RF-TOUCH (2 motors with massage)
16. RF-TOUCH (4 motors without massage)
17. RF-TOUCH (4 motors with massage)

HE150 System Quick Guide

HE150



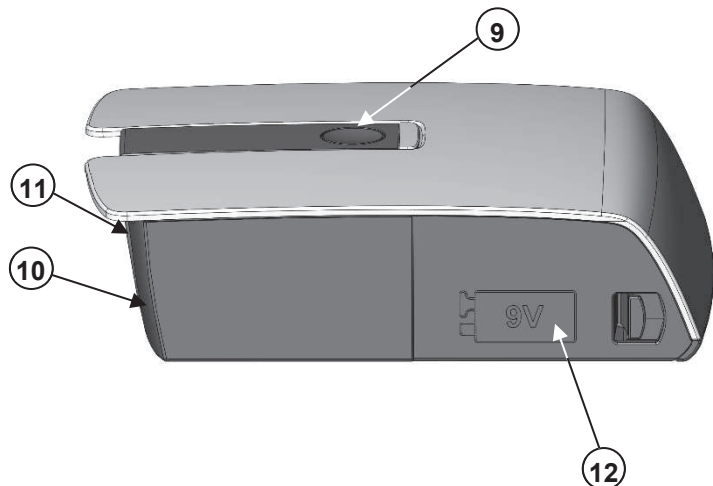
Connection ports and functions

1. Cable connection for (HE-300 SMPS POWER SUPPLY)
2. Connection for motor control cable (PD POWER SUPPLY and M1 / M2)
3. Connection for M3
4. Connection for M4
5. Connection for massage motor
6. Multi-function port for optional accessories
7. Floor lighting (LED white) / Reset / Pairing button (Bluetooth® Pairing LED blue)
8. Floor lighting (LED white)

Technical specifications

Input voltage	24-29 V DC
Current consumption	max. 6.00 A
Mode of operation	Intermittent duty 2 min. / 18 min.
Protection class	III
Protection degree	IP20
Length x width x height	196 x 116 x 40 mm

HE-300 SMPS



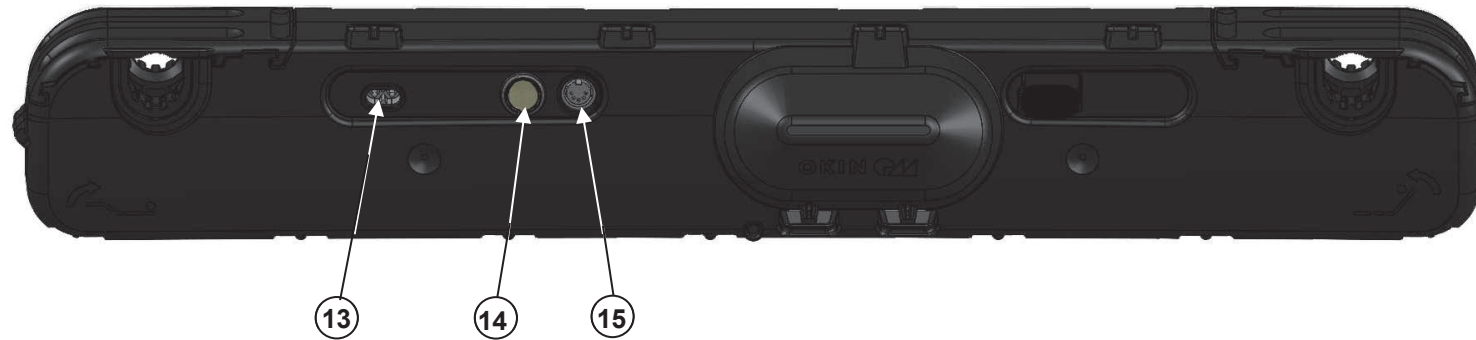
Connection ports and functions

9. Reset / Pairing button
10. Connection for connecting cable (HE150)
11. Connection for mains power or CAB-PCO
12. Battery compartment (Battery 2x 6LR61)

Technical specifications

Input voltage	100-240 V AC
Output voltage	max. 29 V DC
Output current	max. 5.00 A
Fuse (primary)	4.00 A
Standby (no load)	≤ 0.5 W
Mode of operation	Intermittent duty 2 min. / 18 min.
Protection class	II
Protection degree	IP20
Length x width x height	193 x 140 x 53 mm

OKIMAT 4



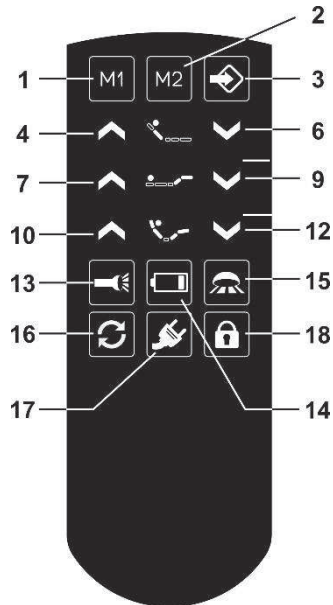
Connection ports and functions

- 13. Connection socket for mains power
- 14. Floor lighting (LED white)
- 15. Connection for connecting cable (HE150)

Technical specifications

Input voltage	24-29 V DC 230-240 V AC
Current consumption	max. 6.00 A max. 1.1 A
Mode of operation	Intermittent duty 2 min. / 18 min.
Protection class	II
Protection degree	IP20
Length x width x height	720 x 136 x 105 mm

RF TOUCH (2 motors without massage)

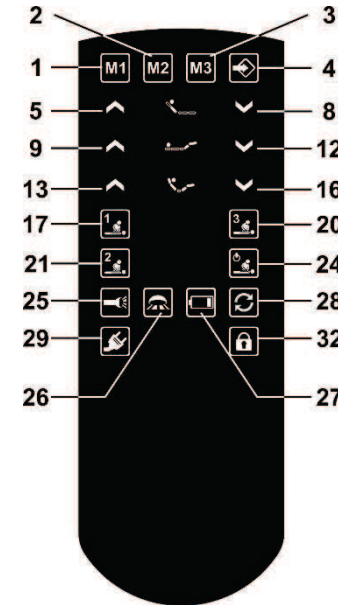


Button	Function
1	Memory position 1
2	Memory position 2
3	Memory save button
4	Drive M1 up
6	Drive M1 down
7	Drive M2 up
9	Drive M2 down
10	Reset M1 + M2 up
12	Reset M1 + M2 down
13	Flashlight on/off
14	Battery indicator
15	Floor lighting on/off
16	Parallel mode on/off
17	Switchable power socket on/off
18	Child safety lock on/off



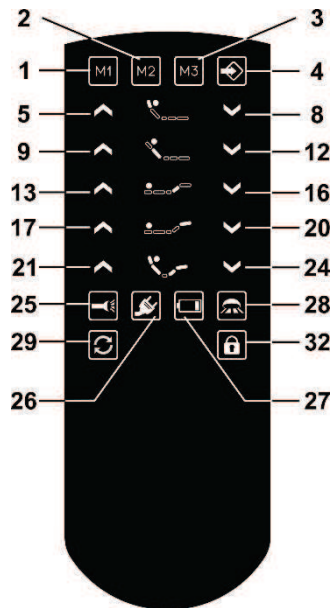
Button	Function
A	Pairing Button / Pairing LED Pairing first system and/or Pairing external power socket

RF TOUCH (2 motors with massage)



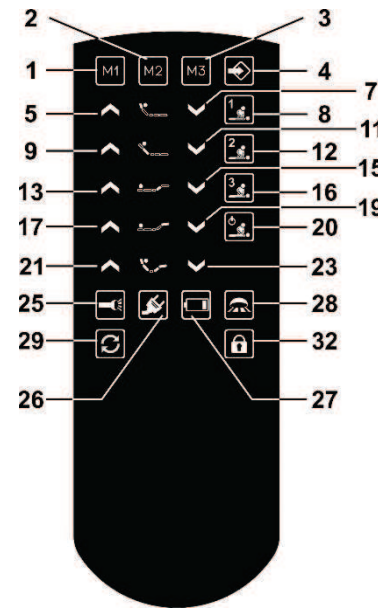
Button	Function
1	Memory position 1
2	Memory position 2
3	Memory position 3
4	Memory save button
5	Drive M1 up
8	Drive M1 down
9	Drive M2 up
12	Drive M2 down
13	Reset M1 + M2 up
16	Reset M1 + M2 down
17	Massage mode 1
20	Massage mode 3
21	Massage mode 2
24	Massage mode aus
25	Flashlight on/off
26	Floor lighting on/off
27	Battery indicator
28	Parallel mode on/off
29	Switchable power socket on/off
32	Child safety lock on/off

RF TOUCH (4 motors without massage)



Button	Function
1	Memory position 1
2	Memory position 2
3	Memory position 3
4	Memory save button
5	Drive M3 up
8	Drive M3 down
9	Drive M1 up
12	Drive M1 down
13	Drive M2 up
16	Drive M2 down
17	Drive M4 up
20	Drive M4 down
21	Reset M1 – M4 up
24	Reset M1 – M4 down
25	Flashlight on/off
26	Switchable power socket on/off
27	Battery indicator
28	Floor lighting on/off
29	Parallel mode on/off
32	Child safty lock on/off









RF TOUCH (4 motors with massage)







Button	Function
1	Memory position 1
2	Memory position 2
3	Memory position 3
4	Memory save button
5	Drive M3 up
7	Drive M3 down
8	Massage mode 1
9	Drive M1 up
11	Drive M1 down
12	Massage mode 2
13	Drive M2 up
15	Drive M2 down
16	Massage mode 3
17	Drive M4 up
19	Drive M4 down
20	Massage mode aus
21	Reset M1 – M4 up
23	Reset M1 – M4 down
25	Flashlight on/off
26	Switchable power socket on/off
27	Battery indicator
28	Floor lighting on/off
29	Parallel mode on/off
32	Child safty lock on/off

Description of button (RF-TOUCH)

Note: By pressing the buttons, the lights lit blue.

-  **Drive(s) up:** The drive(s) move as long as this button is pressed.
-  **Drive(s) down:** The drive(s) move as long as this button is pressed.
-  **Flashlight on/off:** The flashlight is on as long as this button is pressed.
-  **Battery indicator:** This button will light red whenever the RF-TOUCH is enabled and the battery voltage drops below 3.5 V. The batteries must then be replaced.
-  **Floor lighting on/off:** Switch the floor lighting on/off. The button is lit blue when the floor lighting is on. The floor lighting turns off automatically after 30 minutes.
-  **Parallel mode on/off:** Two systems must be connected to each other using a sync. cable.
Parallel mode on: Press this button for about 3 seconds until the backlit illumination blinks twice.
Parallel mode off: Press this button for about 3 seconds until the backlit illumination and the floor lighting blinks twice and a “Peep” signal sounds. The button light goes out.
-  **Switchable socket on/off:** Press this button to switch the socket on or off. The socket is activated when the button is lit blue. The socket is deactivated when the button is not illuminated.
-  **Child safty lock on/off:**
Activating Child safty lock: Press this button for about 5 seconds until the backlit illumination and the floor lighting blinks twice and a “Peep” signal sounds. The child safty lock is activated when the button is lit blue.
Deactivating Child safty lock: Press this button for about 5 seconds until the backlit illumination and the floor lighting blinks twice and a “Peep” signal sounds. The child safty lock is deactivated when the button is not illuminated.
The “deactivated child safty lock” feature does not influence the functionality of the flashlight, switchable socket, floor lighting, massage modes 1-2-(3) or deactivated massage mode. By pressing a locked function at activated child safty lock, the floor lighting flashes one time.

-  **Memory position 1:** The drives move to the saved position. The drives move as long as this button is pressed.
-  **Memory position 2:** The drives move to the saved position. The drives move as long as this button is pressed.
-  **Memory position 3:** The drives move to the saved position. The drives move as long as this button is pressed.
-  **Memory save button:** The drives move to their desired positions. Press the memory save button once: the “Memory position 1-2-3” buttons light up blue. Then press the desired position button within three seconds. The memory position is saved and the floor lighting blinks twice and a “Peep” signal sounds.

Message modes

- The message modes always start at level 1.
- Level 1 is the lowest level.
- Level 4 is the highest level.
- Level 0 means the message is deactivated. The button is not illuminated.
- The activated button will be lit blue. The button lights up blue for the levels 1-2-3-4-3-2-1.
- Each time the “Message mode” button is pressed, the intensity increases or decreases according to the next level.
- When level 4 has been reached, a press of the button will cause the backlit illumination to blink “white” once.
- The levels are in the following sequence: 0-1-2-3-4-3-2-1-0.
- The sequence repeats after level 0.
- When switching message modes or after the “**Message mode off**” button has been pressed, the activated message mode ends and the corresponding blue illumination switches off.
- The message mode will end after about 15 minutes. The blue button illumination goes out when you press any button.
 - If the intensity is changed in this time, the message duration (about 15 minutes) does not change.
 - If the message mode is changed in this time, the message duration (about 15 minutes) starts over.
- An activated message mode is not interrupted when the drives are moved.
- The message mode can also function while the child safety lock is enabled.



Message mode 1: Stationary intensity: the message motors run at continual speed.



Message mode 2: Pulsing message: the message motors change their speed at the same time.

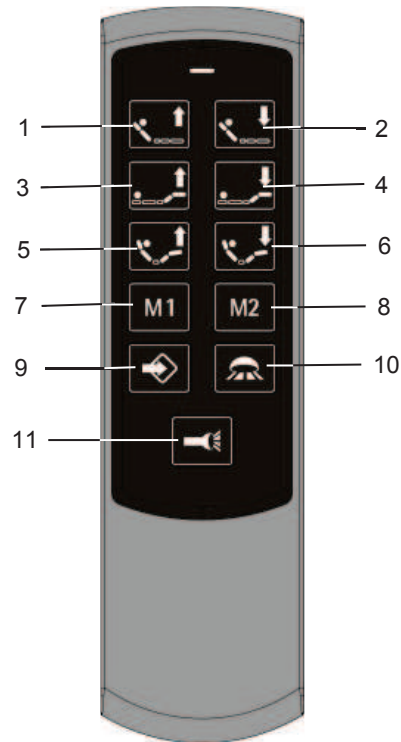


Message mode 3: Wave message: the message motors change their speed at offset times.



Message mode off: This button is lit blue as long as the button is pressed. The “Message mode off” button also functions while the child lock is enabled.

RF-TOPLINE



Button	Function
1	Drive M1 up
2	Drive M1 down
3	Drive M2 up
4	Drive M2 down
5	Reset M1 + M2 up
6	Reset M1 + M2 down
7	Memory position 1
8	Memory position 2
9	Memory save button
10	Floor lighting on/off
11	Flashlight on/off
1 + 2	Pairing (first System)
1 + 2	Floor lighting on/off
3 + 4	Pairing (second System)
	or
	Pairing External Power Socket
3 + 4	Switchable power socket on/off

Description of button

Note: By pressing the buttons, the lights lit blue



Drive (head rest) up: The drive(s) move as long as this button is pressed.



Drive (head rest) down: The drive(s) move as long as this button is pressed.



Drive (foot rest) up: The drive(s) move as long as this button is pressed.



Drive (foot rest) down: The drive(s) move as long as this button is pressed.



Drive (head & foot rest) up: The drive(s) move as long as this button is pressed.



Drive (head & foot rest) down: The drive(s) move as long as this button is pressed.



Memory position 1: The drives move to the saved position. The drives move as long as this button is pressed.



Memory position 2: The drives move to the saved position. The drives move as long as this button is pressed.



Memory save button: The drives move to their desired positions. Press the memory save button once then press the desired position button within three seconds. The memory position is saved and the floor lighting blinks twice and a "Peep" signal sounds.



Floor lighting on/off: Switch the internal and external floor lighting on/off. The floor lighting turns off automatically after 30 minutes.



Flashlight on/off: The flashlight is on as long as this button is pressed.

Acknowledgement: The floor lighting will blink twice and a "peep" tone will sound to signal the successful completion of the step.

1. Teach-in for the RF remote or app

To start using the RF remote with a *Bluetooth*® device, the wireless link with the HE150 must first be established.

In order to use a *Bluetooth*® device (a smart phone or tablet) with your system, you will first need to download and install the "**OKIN**" app for your device.

a. Automatic teach-in

- Insert the power plug into a power outlet. The HE150 will be in pairing mode for 120sec which is divided as follows: During the first 60sec, an RF remote can be discovered (the teach-in). During the next 60sec, a *Bluetooth*® device can be discovered.
- The floor lighting and the blue LED are illuminated during this teach-in phase for the RF remote.
RF-TOUCH: Press **pairing button A** in the battery compartment.
RF-TOPLINE: Simultaneously press **buttons 1 and 2**.
A successful pairing will be acknowledged.
- The floor lighting will switch off after the teach-in process for the RF remote is finished. The blue LED for pairing with a *Bluetooth*® device starts flashing.
- The blue LED switches off when the *Bluetooth*® pairing process has timed out or when the device has connected successfully. A successful pairing will be acknowledged.
- If, during the RF remote's teach-in process, you press any button on an already paired RF remote, then it switches to the *Bluetooth*® teach-in mode
- If the RF remote or a *Bluetooth*® device is discovered during the pairing phase, then this pairing mode is automatically ended. The floor lighting and the blue LED switch off.
- Repeat the automatic teach-in process. First, remove the plug from the power supply. Then wait 60sec and insert the plug back into the power supply. You can now start the new teach-in process.
- When operating a system in parallel, you must execute the teach-in processes for the HE150s sequentially. First, connect the HE150 to the power supply. Then execute the teach-in process for the first RF remote or *Bluetooth*® device. Then execute the teach-in for the second device.

Note! Only commission **one** system at a time. Never configure multiple systems simultaneously

b. Manuel teach-in

The system must be connected to the power supply.

- Quickly press the **Reset/Pairing button twice** on the HE150 (**button 7**) or the HE-300 SMPS (**button 9**). The floor lighting and the green pairing LED will illuminate. The HE150 is now in pairing mode for 120 seconds, which is divided as follows: During the first 60 seconds, an RF remote can be discovered (the teach-in). During the next 60 seconds, a *Bluetooth*® device can be discovered.
- The floor lighting and the blue LED are illuminated during this teach-in phase for the RF remote.
RF-TOUCH: Press **pairing button A** in the battery compartment.
RF-TOPLINE: Simultaneously press **buttons 1 and 2**.
A successful pairing will be acknowledged.
- The floor lighting will switch off after the teach-in process for the RF remote is finished. The blue LED for pairing with a *Bluetooth*® device starts flashing.
- The blue LED switches off when the *Bluetooth*® pairing process has timed out or when the device has connected successfully. A successful pairing will be acknowledged.
- If, during the RF remote's teach-in process, you press any button on an already paired RF remote, then it switches to the *Bluetooth*® teach-in mode.
- If the RF remote or a *Bluetooth*® device is discovered during the pairing phase, then this pairing mode is automatically ended. The floor lighting and the blue LED switch off.
- When operating a system in parallel, you must execute the teach-in processes for the HE150s sequentially. First, connect the HE150 to the power supply. Then execute the teach-in process for the first RF remote or *Bluetooth*® device. Then execute the teach-in for the second device.

Note! Only commission **one** system at a time. Never configure multiple systems simultaneously

For reset to factory default, perform the following steps: Give the Pairing button (7) 4x short press in succession. The Pairing LED1 lights on. Now actuate the Pairing button (7) one times. The Pairing LED lighting extinguishes. The HE150 is deactivated.

2. Execute a reference movement with the HE150 or HE-300 SMPS

The referencing must be executed in the following scenarios:

- The initial commissioning
- A change in hardware
- After the battery-powered electrical reset function has been executed.

The system has a positional feedback feature. A referencing movement must first be executed before this feature can function properly. Press the **Reset/Pairing button** on the HE150 (**button 7**) or the HE-300 SMPS (**button 9**) until the end position has been reached.

A successful pairing will be acknowledged.

3. Saving the memory positions

You can save different memory locations to the **"Memory position" buttons (M1, M2 or M3)** as follows:

- Move to the desired positions by pressing the movement buttons on the RF remote or app.
- Press the **"Memory save"** button and hold for one second.
- Press one of the **"Memory position" buttons (M1, M2 or M3)** within three seconds. A successful pairing will be acknowledged.
- The desired position is now saved to the **memory position button (M1, M2 or M3)**.
- You can overwrite the saved memory position at any time by repeating this process.

4. Resetting the saved positions to the factory default settings

The **memory positions** saved to buttons **M1, M2 or M3** can be reset to the factory default as follows:

- Press the **Memory save button** on the RF Touch and hold down for three seconds.
- The **"Memory position" buttons (M1, M2 and M3)** first light up blue and then white.
- After about three seconds, the background lighting flashes white once.
- Within one second, press and hold the **"Floor lighting on/off"** button. The successful completion will be acknowledged.
- Release the **"Floor lighting on/off"** button.

5. Moving two systems in parallel using a sync cable

CAUTION! Only connect the electrical components when the power supply is switched off.

Two operating systems can be connected to each other using a sync cable at the multi-function port. In this way, they can be run simultaneously.

- Press the **Reset/Pairing button** on the HE150 to move both systems to their end positions.
- Disconnect the power plug on both systems from the power socket.
- Connect both systems by connecting the proper synchronous cable to the multi-function port.
- Insert the mains plug from both systems into the power socket. Parallel operations are possible as soon as both systems are connected to the power supply.
- **Parallel mode on:** Press the **"Parallel mode on/off"** button and hold for about three seconds. The blue button illumination will now be lit. The successful completion will be acknowledged.
- **Parallel mode off:** Press the **"Parallel mode on/off"** button and hold for about three seconds. The blue button illumination will now go off. The successful completion will be acknowledged.

Both programmed RF remotes can be used to move the systems.

6. Moving two systems in parallel using remote radio signals

CAUTION! Only connect the electrical components when the power supply is switched off.

Two systems can be moved and operated simultaneously (parallel mode) using one RF remote.

- Press the **Reset/Pairing button** on the HE150 to move both systems to their end positions.
- Execute the teach-in process first for system 1 and then for system 2. Note that the teach-in processes are always sequential. The teach-in should **never** be carried out on two systems at the same time.
- The systems are permanently paired together in this mode. The **"Parallel mode on/off"** button has no function.

The teach-in can be executed for a second RF remote in this mode.

7. Cleaning and care

The system was designed so that it would be easy to clean.

- Be sure to unplug the power cord on the power supply before you begin cleaning it!
- Clean the system using a dry antistatic cloth.

Be sure that you do not damage the connecting cables during the cleaning.

8. Disposal

The system consists of electronic components, cables and metal and plastic parts. You should observe all corresponding national and regional environmental regulations when disposing of the system.

The disposal of the product is regulated in Germany by Elektro-G, internationally by the EU Directive 2011/65/EC (RoHS), or by any applicable national laws and regulations. (The product is not regulated by the EU Directive 2012/19/EC (WEEE).)

The system should not be disposed of with normal household waste!



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