

# System Instructions

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**RF-TOUCH**



## Revisions

Version	Date	Modification, change
(-)	12/15	First release

## Disclaimer and Exclusion of Liability

DewertOkin is not responsible for damage resulting from:

- failure to observe these instructions,
- changes made to this product which have not been approved by DewertOkin, or
- the use of replacement parts which have not been approved or manufactured by DewertOkin.

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# 1. General Information

## 1.1 About these system instructions

These instructions are intended specifically for the RF-TOUCH hand-held remote control. These system instructions are not an instruction manual for the end product and should only be used in conjunction with the installation instructions for the DewertOkin drive system in use.



### CAUTION

The notices in these instructions must be followed! Following the guidelines during installation and connection procedures will help to minimize:

- the risk of accident and injury, and
- damage to the drive system or the end product.

These instructions have been written with due care and attention. However, we cannot guarantee that the data, images and drawings are complete and correct nor do we accept any liability for the information contained therein, unless required by law.

### Availability of this document

As manufacturer of the end product, you are obligated to comply with Machinery Directive 2006/42/EC. This directive stipulates that the installation instructions must be kept on file for governmental inspection purposes.

## 1.2 Safety notices within the installation instruction and the operating instructions for the entire machine

The manufacturer of the end product is only permitted to operate the PP300 (by itself an incomplete machine)

- when the end product (for which the RF-TOUCH is intended) is in compliance with all protective measures specified in the Machinery Directive 2006/42/EC, and
- when the manufacturer expressly declares the compliance of the end product.

The manufacturer of the end product must create a manual for the users of that product. The safety notices in the end-product manual must be written based on the end product's risk assessment.

## 1.3 Conventions used in this manual

Notices which do not relate to safety are indicated in these instructions with a triangle:

- Triangular notice symbol

### Explanations of warning notices



### CAUTION

CAUTION indicates a hazardous situation; risk of injury

### NOTICE

NOTICE is used to address practices which are not related to personal injury but may result in damage to the product or surroundings.

## 2. Safety Instructions

### 2.1 Proper and Intended Usage

The DewertOkin RF-TOUCH hand-held remote control can be used together with a DewertOkin drive system for continuously variable adjustment beds.

- It can be used in the household (HOME).



#### CAUTION

This hand-held remote control should only be used for the applications described above. Any other form of usage is not permitted and can lead to accidents or destruction of the unit. Such non-approved applications will lead immediately to the expiration of all guarantee and warranty claims on the part of the end-product manufacturer against the manufacturer.

#### Improper usage

Be sure to follow the notices below concerning improper usage. You should include them in your product manual in order to inform the users of your end product.

The RF-TOUCH hand-held remote control may not be used:

- in any environment where combustible or explosive gases or vapours (e.g., anaesthesiology) may be present,
- in the proximity of open fires or other heat sources (such as furnaces, ovens or direct sunlight),
- in any application that will be cleaned with an automated washing system.
- in a moist environment,
- outdoors

The RF-TOUCH can be used by children of 8 years and older, persons with reduced physical, sensory or mental capabilities, or persons with lack of experience or knowledge when they are supervised or instructed concerning the safe use of the device and when they understand the resulting risks. Do not allow children to play with this device. The cleaning and user maintenance must not be carried out by children without supervision.

- You should only use spare parts which have been manufactured or approved by DewertOkin. Only these parts will guarantee a sufficient level of safety.


Product labelling

The type label is attached to the battery case cover on the hand-held remote control.

- ▶ The type label shown is an example. The specifications for hand-held remote control may differ from this illustration.
- ▶ The type label is located on the back side of the battery compartment.



Figure 1: Type label (example)

RF-TOUCH	Model name
xxxxxx	Article number
3x Battery AAA / LR03 1.5V	Battery typ
2.40GHz	Frequency of wireless communication
SW	Software version
Prod.Date	Calendar week / year
IP20	Protection degree
CE	Conformity mark
	Follow all special disposal instructions!

### 3. Description of the Hand-Held Remote Control

The end product is controlled and adjusted using the RF-TOUCH hand-held remote control (the remote's buttons). After the teach-in process, the RF-TOUCH hand-held remote control communicates with a DewertOkin drive.

#### 3.1 RF-TOUCH hand-held remote control

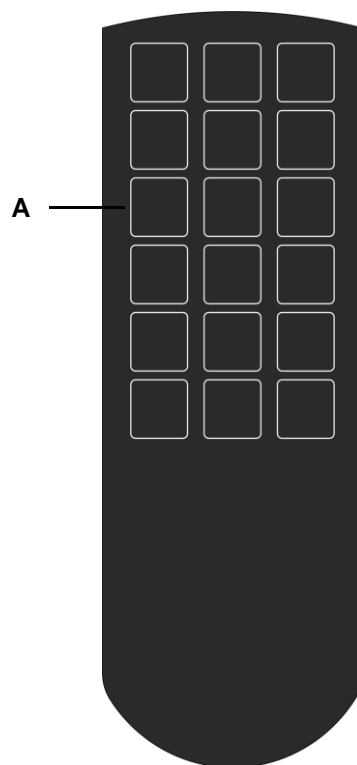


Figure 2: RF-TOUCH hand-held remote control

**A** Function and movement buttons and touch surface

- The Starting for the First Time and Operation Chapters describe the teach-in process and handset operations.

#### 3.2 Technical specifications

Battery voltage	3x 1,5V (AAA / LR03)
Protection degree	IP20
Protection classification	III
Frequency	2,40GHz



## 4. Starting for the First Time

Wireless communication must first be established with the drive system (the "teach-in" process) before the initial commissioning. The teach-in process is carried out directly with the drive system. One or two drive systems can participate in the "teach-in"

### 4.1 Teach-in the hand-held remote control with the drive system

#### Notice

There is a delay after the supply voltage is applied before the device actually turns on. Wait at least 2 - 3 seconds before initial commissioning.

Insert the drive systems power plug into a power outlet.

- 1 Remove the battery lid on the back of the RF-TOUCH. Insert the batteries (refer to Figure 5.3). Make sure you do not contact the touch surface.
  - 2 The RF-TOUCH must be initialized after the batteries are inserted. For the initialization, place the RF-TOUCH down so that the bottom housing is resting on a flat surface. Allow it to rest there for about 30 seconds.
  - 3 Then press the **Reset/Pairing** button on the HE200 control unit twice briefly in succession. The pairing LED switches on. The HE200 will now be in teach-in mode for about 10 seconds.
  - 4 Press and hold the **Pairing** button on the battery compartment of the RF-TOUCH. Hold this button down until the PAIRING LED flashes. The pairing LED will light continuously once the teach-in (configuration) process is finished. The function LED then lights continuously. The teach-in configuration process is thus completed.
  - 5 The RF-TOUCH can be used after the teach-in process has been completed.
- If the drive does not start up after the button has been pressed, release the button briefly and repress. Repeat the teach-in process if necessary.



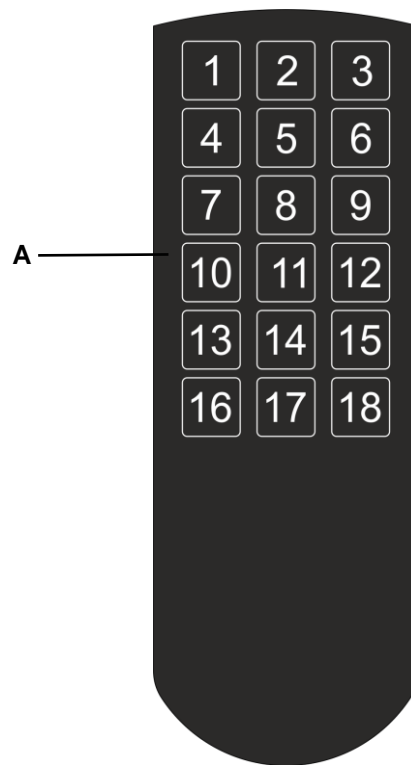
Figure 3: :Example CONTROL UNIT HE200 and RF-TOUCH (back side)

- A Pairing-button / Reset-button (HE200)      B Pairing-LED  
C Pairing-button / Pairing-LED (RF-TOUCH)

## 5. Operation

### 5.1 Button functions on the RF-TOUCH hand-held remote control

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Figure 4: Buttons on the RF-TOUCH hand-held remote control

**A** Function and movement buttons

## 5.2 Changing the battery



Figure 5: Changing the battery in the RF-TOUCH hand-held remote control

- 1 Open the battery compartment on the back side of the RF-TOUCH hand-held remote control
- 2 Insert the new batteries (AAA / LR03) into the battery compartment.

<b>Notice</b>
Be sure to align the battery poles properly!
Make sure you do not contact the touch surface of the RF-TOUCH while you are inserting the batteries.

- 3 Close the battery compartment
- 4 The RF-TOUCH must be initialized after the batteries are inserted. For the initialization, place the RF-TOUCH down so that the bottom housing is resting on a flat surface. Allow it to rest there for about 30 seconds.

## 6. Troubleshooting

- If you experience an error that is not listed in this table, please contact your supplier.

Problem	Possible cause	Solution
The hand-held remote or drive system is not functioning.	There is no mains voltage on the drive or control unit.	Connect the mains power.
	The hand-held remote control or drive system is defective.	Please contact your supplier or sales agent.
	The batteries are empty	Check the batteries and replace if necessary.
	The batteries have been improperly inserted.	Reinsert the batteries properly. Be sure to align the battery poles properly!
The drive is suddenly not capable of movement.	The drive's fuse may have been triggered or may be broken.	Please contact your supplier or sales agent.
	There is no mains supply voltage.	Connect the mains power.
The RF-TOUCH will not function immediately after the initial start-up or battery replacement.	The touch surface was touched	Initialize the RF-TOUCH, (see chapter 4, Starting for the First Time)
	The batteries were changed	Initialize the RF-TOUCH, (see chapter 4, Starting for the First Time)

## 7. Maintenance

Type of check	Explanation	Time interval
Look over the housing periodically for any signs of damage.	Check the housing for breaks or cracks. The IP-class protection will be impaired by any breakage or cracks.	At least every six months.
Periodic functional test of the remote.	Move the drive to the end positions in order to test the end switches.	At least every six months.

### 7.1 Cleaning and care

The RF-TOUCH was designed so that it would be easy to clean. The smooth surfaces can be conveniently cleaned.

- Clean the RF-TOUCH remote control with a dry, anti-static cloth.

#### NOTICE

Always disconnect the drive systems power plug before you start to clean!  
Never clean the RF-TOUCH in an automated washing system or with a high-pressure cleaner.  
Do not allow fluids to penetrate the unit. Damage to the remote control could result.  
Do not use a cleanser that contains benzene, alcohol or similar solvents.

## 8. Disposal

### 8.1 Packing material

The packaging material should be sorted into recyclable components and then disposed of in accordance with the appropriate national environmental regulations (in Germany according to the re-cycling law KrWG from 01.06.2012; internationally according to the EU Directive 2008/98/EC (Waste Framework Directive WFD as of 12.12.2008)).

### 8.2 RF-TOUCH components

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

The disposal of the end 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 end product is not regulated by the EU Directive 2012/19/EC (WEEE).)



The RF-TOUCH components should not be disposed of with normal household waste!

### 8.3 Batteries

The disposal of the battery is regulated in the EU by the Battery Directive 2006/66/EC, in Germany by the BattG battery law of 25.6.2009, and internationally by any applicable national laws and regulations.



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

## EU Declaration of Conformity

In compliance with Appendix IV of the EU EMC Directive 1999/5/EC

In compliance with Appendix VI of the EU RoHS Directive 2011/65/EU

The manufacturer:

DewertOkin GmbH

Weststraße 1

32278 Kirchlingern

Germany

declares that the following product

### **RF-TOUCH**

meets the requirements of the following EU directives:

**Directive on wireless equipment and telecommunications equipment (1999/5/EC)**

**RoHS 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**

Applied standards:

- EN 60950-1/A2:2013
- EN 50371:2002
- ETSI EN 300440-1 V1.6.1
- ETSI EN 300440-2 V1.4.1
- ETSI EN 301489-1 V1.9.2
- ETSI EN 301489-3 V1.6.1

This declaration of conformity is no longer valid if constructional changes are made which significantly change the product (i.e., which influence the technical specifications found in the instructions or the intended use)!

Kirchlingern, Germany on 15 December 2015



Dr.-Ing. Josef G. Groß  
Managing Director

## Additional information

### RF-TOUCH

#### FCC Compliance Statement

This device complies Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

#### Section 15.21 Information to user

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

#### IC Compliance Notice

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.







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