

**Standard round cabled foot control**  
**Standard round wireless foot control**



KEEP THIS MANUAL WITH THE DENTAL DELIVERY SYSTEM AT ALL TIMES  
Installation, Service, and Maintenance by authorised Heka Dental distributors only

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Note: With reservation of technical changes and colour changes. Images may be displayed with optional equipment. Images may be displayed without safety labels.

## General safety information

For severity of warnings, please refer to the user manual for the Dental Delivery System.

### NOTICE

#### **Risk of battery damage**

The battery can be permanently damaged from being discharged completely.

- Remove the battery from the foot control during shipping or if left unused for more than 2 months.



The battery is a part of a medical equipment and approved for the foot control. No other batteries are allowed. Heka Dental A/S can supply spare batteries.



Bluetooth connection is disabled during charging as communication is made through the supplied cable.



Instruments will stop automatically if the wireless Bluetooth connection is interrupted.

## Device description



If the equipment does not start as described below  
- Contact a Heka distributor immediately.



To avoid unintentional activation of the Dental Delivery System, the foot control can only activate the first instrument selected from the instrument table, all other instruments are inactive and cannot be activated.

## UnicLine S or derived hardware

### Cabled foot control

Connect to the dental delivery system by inserting the connector into the plug on the column base and turn the sleeve clockwise.



Cabled and wireless foot control use different connectors and are therefore not directly interchangeable.



### Wireless installation requirements

The unit must have software version 21 or later installed, the foot control must have software version 1.4.3 or later installed and the receiver PCB db-0041 must be installed for the foot control to work.

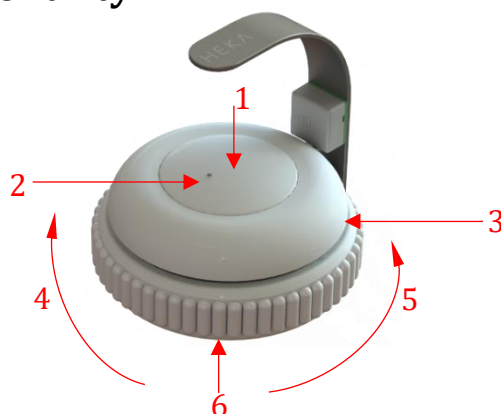
## General features for wireless foot controls



In case of disturbance of the wireless communication or lack of power, connect the foot control to the dental delivery system by inserting the connector into the plug on the column base and turn the sleeve clockwise.

The wireless types will continue to function normally when connected to the console, communicating and charging through the cable.

## Overview and functionality



|          |            |          |                                              |          |                 |
|----------|------------|----------|----------------------------------------------|----------|-----------------|
| <b>1</b> | Top button | <b>2</b> | Battery indicator<br>(wireless version only) | <b>3</b> | Middle ring     |
| <b>4</b> | Decrease   | <b>5</b> | Increase                                     | <b>6</b> | Activation ring |

## Mode of operation

| Operation:                           | Location:                                                                                           | Action:                                                                          |
|--------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Assistant Call ( <b>Heka+ only</b> ) | Top button ( <b>1</b> )                                                                             | Press and hold                                                                   |
| Dental light ON/OFF.                 | Top button ( <b>1</b> )                                                                             | Short press                                                                      |
| Activation of selected instrument    | Activation ring ( <b>6</b> )                                                                        | Press and hold                                                                   |
| Reverse rotation of micromotor       | Activation ring ( <b>6</b> ) +<br>Middle ring ( <b>3</b> )                                          | Short press on<br>activation ring<br>followed by a short<br>press on middle ring |
| Switch between programs              | <b>Default ULS:</b> Activation ring ( <b>6</b> )<br><b>Default Heka +:</b> Middle ring ( <b>3</b> ) | Two short presses                                                                |
| Change spray combination             | Middle ring ( <b>3</b> )                                                                            | Short press (<1<br>second)                                                       |
| Mechanical chip-blow.                | Middle ring ( <b>3</b> )                                                                            | Press and hold                                                                   |

## Pairing and programming the foot control

### **Cabled foot control with a Heka UnicLine S or derived hardware**

With the foot control connected to the unit.

Navigate to "Setup Footctrl." on the telescopic head and set the type to "Switch".

Select either "Lin" for linear intensity control, or "Log" for logarithmic intensity control.

Power the unit off and on and test the foot control.

### **Wireless foot control with a Heka UnicLine S or derived hardware**

Connect the foot control to the unit with the cable and power the unit on.

Navigate to "Setup Footctrl." on the telescopic head and set the type to "Switch".

If the unit is already set up for this type of foot control, select a different type and change it back.

A double beep indicates that the foot control and the receiver is paired.

Select either "Lin" for linear intensity control, or "Log" for logarithmic intensity control.

Power the unit off and on and test the foot control.

### **Wireless foot control with a Heka+ hardware**

Power the unit off, connect the foot control to the unit with the cable and power the unit on.

Foot control settings are made in Heka One Connect.

Remove the cable and test the foot control.

## Wireless foot control, technical specifications

### Battery

Only a battery type Li-ion Battery, DM355Y.388, 3.6V 2350mAh/8.5Wh is allowed in the foot control.

The battery is designed to work at least two months with charging (from a fully charged battery).

### Wireless communication

The unit communicates with the foot control using Bluetooth.

In case the Bluetooth wireless connection is interrupted, you can connect the foot control to the unit via the foot control cable to continue operation.

### Charger

Specification: 100-240 VAC 180 mA, 5V max 5.0W.

### Battery indicators

#### UnicLine S and derived hardware

The first time the foot control is activated after the 2% level is reached, 5 fast beeps in the telescope head indicates battery low. The acoustic battery alarm is repeated every 5 minutes.

#### Heka+

A warning sign will be visible in the display on the instrument table.

If the foot control is low on power, you can either connect the foot control to the unit via the foot control cable and continue working, or you can plug-in the wall charger, but then you cannot use the foot control.

### LED indications

Green or flashing green: The battery is fully charged

Red: The foot control is charging. The battery will be fully charged after 6 hours.

Flashing red and green: The foot control cannot see the battery (FW 1.4.3 or later).



Battery level is only transmitted when the foot control is activated.

## **Warranty Terms & Conditions**

Please refer to the Instruction for Use (IFU) for the Heka Dental Delivery System.

## **Disposal of the Dental Delivery System**

Please refer to the Instruction for Use (IFU) for the Heka Dental Delivery System.



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