BraunAbility Remote

App controlled receiver

Thank you for choosing a

Remote
from BraunAbility!

The following manual is an important part of the product, providing you with information on how to achieve maximum performance and safe operation. Keep the manual in a safe place so you can refer to it when necessary.

If you have any questions about your adaptation, please contact your dealer.

Once again, thank you for placing your confidence in our products!

BraunAbility Safety Centre
Accredited test laboratory
www.braunability.eu

"Product certificate" at the end of the manual.

Safety

⚠ Read through the user manual to get a complete understanding of the BraunAbility Remote before using the device.

⚠ Always comply with the safety and operating instructions from other devices and/or applications associated with the product.

⚠ This device is not a toy and is not intended for use by children.

⚠ Make sure the operating area is clear before using the device.

⚠ Make sure the device is neither mechanically nor electrically overloaded. Only use the device within a range of 9 to 36 Volt dc.

⚠ Do not use the device if it is damaged. Safe operation is not possible when the device has sustainable visible damage, is operating poorly or not functioning at all.
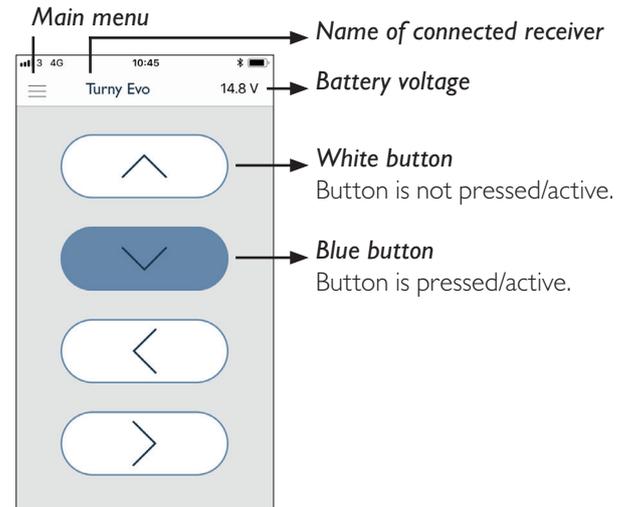
⚠ Do not open and/or disassemble and/or alter the device.

Operation

Installing the app

Please make sure, that your iOS or Android device meets the minimum requirements defined under the chapter "Technical specification". Otherwise you won't be able to download the app or it won't work properly on your device.
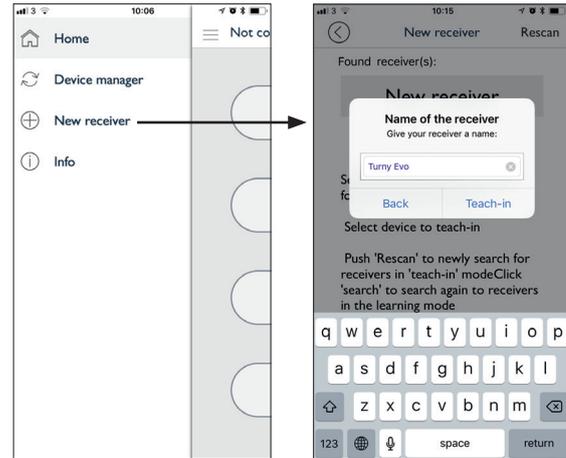
1 Activate Bluetooth on your smart-phone.

2 Download the *BraunAbility Remote* app from Google Play or App Store and follow the setup wizard.

3 The picture to the right shows the home page when the app is connected to a receiver. Before connecting any receiver this page is almost blank.

Main menu

Name of connected receiver

Battery voltage

White button
Button is not pressed/active.

Blue button
Button is pressed/active.

10:45

Turny Evo   14.8 V

Adding a new receiver

To add a new receiver, the receiver must be in pairing-mode. To do so, push three times on the teach-in button on the receiver. Please make sure that there is no more than one receiver in pairing-mode at the same time.
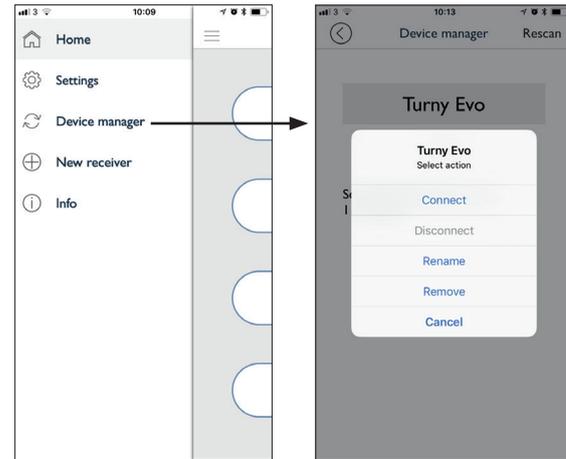
1 Open the *Main menu and* select *New receiver*. The app will automatically search for BraunAbility remote receivers within your range, that are currently in pairing mode.

2 Select the receiver you want to connect by pressing the corresponding entry of the search results.

3 Enter a name for the receiver. Confirm you choice by pressing the *Teach-in button*. Your smartphone now connects to the selected BraunAbility remote receiver and synchronizes the settings. You are now able to control your BraunAbility remote receiver.

Switching between several receivers

If your smartphone has been paired to two or more BraunAbility Remote receivers (for example, to both a Chair Topper and a Turny Evo), follow this step-by-step instruction to select which product to operate.
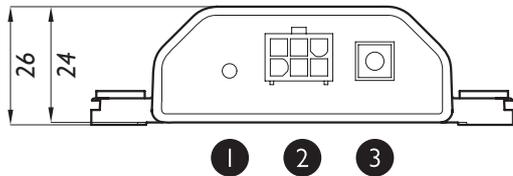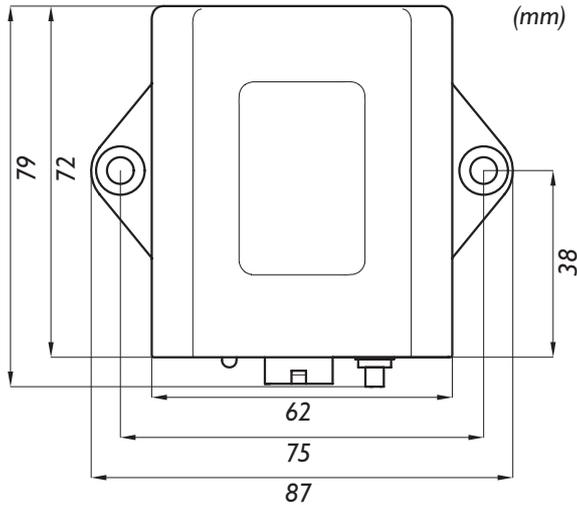
1 Open the *Main menu* and select *Device manager.* You'll now see a list of all receivers that have already been paired with your smartphone in the past.

2 Select the receiver you want to connect to by pressing the corresponding entry from the list. You can now decide whether to Connect, Disconnect, Rename or Remove the respective receiver.

3 Select *Connect* and confirm your choice by pressing the *Next* button. Your smartphone now automatically connects to the selected BraunAbility remote receiver. You are now able to control your BraunAbility remote receiver.

Note! Establishing a new BraunAbility remote connection will automatically drop other connections and abort any processes/commands that may be running.
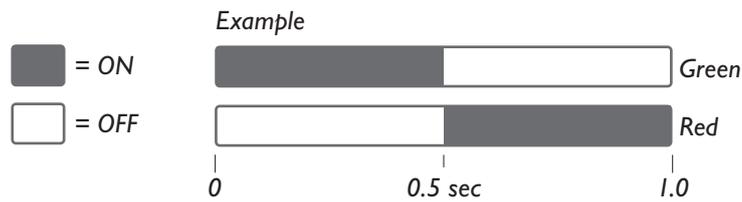
Technical specification

Product data

(mm)

Frequency .... 2.4 GHz
Transmission power ....7.5 dBm
Operating range..approximately 30m
Power consumption..~4mA on 12V
Supply voltage...9-36 Vdc
Outputs.. 4 (3.7A, nominal 4.7A each)
Total current ....max 10A
Weight.. 138g
Casing..moulded casing (IP66)
Temperature range ....-40°C to +80°C
Optical feedback................................ Dual colour LED (red/green)
Platform .... Android and iOS
Max. number of paired devices... 24
Min. system requirements.........Android 4.3 and Bluetooth 4.0,
iOS 8, iPhone 4s / iPad, 3rd gen. / iPod Touch, 5th gen.
Language............................DE, EN, ES, FI, FR, IT, JP, NL, PL, PT, SV
(Language is set by the main language in the smart-device.)

1 *Status LED:* Displays the status of the receiver.

2 *Connection plug:* Connections for power supply/outputs.

3 *Teach-in button:* Sets the receiver into pairing-mode.

LED-light status

Example

▓ = ON

□ = OFF

| | | *Green* |
| | | *Red* |

0   0.5 sec   1.0

START UP

| | *Green* |
| | *Red* |

PAIRING

| | *Green* |
| | *Red* |

NOT CONNECTED

| | *Green* |
| | *Red* |

CONNECTED

| | *Green* |
| | *Red* |

ERROR CODES, *see next page*

| | *Green* |
| | *Red* |

LED-light error codes

Flashing red x3..
Undervoltage

This error appears if the supply voltage of the receiver drops under 6.5V for at least 1.5 sec. A pop-up will be shown in the BraunAbility Remote app. To reset the error raise up the supply voltage over 6.5V again and click on **Reset error** in the app.

Attention: Undervoltage can be triggered by heavy loads (large powerful motors).

Flashing red x4..
Overvoltage

This error appears if the supply voltage of the receiver raises over 36V for at least 60 ms. A pop-up will be shown in the BraunAbility Remote app. To reset the error lower the supply voltage under 32V again and click on **Reset error** in the app.

Attention: Overvoltage can be a result of defective components in the system or external voltage sources connected to the system (e.g. battery charger). Remove source of overvoltage before resetting the error.

Flashing red x5..
Overcurrent of all outputs combined

This error appears if the total current of the receiver is too high. To reset the error, first connect a smartphone. Upon connection, a pop-up window will appear in the BraunAbility Remote app allowing the error to be reset by clicking on
Reset error. The error will persist until reset within the app, even if current is redu-ced to a normal operating range.

Attention: Overcurrent can be a result of connecting too many loads to the receiver. Make sure loads do not exceed a maximum current of 10A.

Flashing red x6 - x9 ....
Overcurrent of a single output

This error appears if the current of one of the outputs is too high. To reset the error, first connect a smartphone. Upon connection, a pop-up window will appear in the BraunAbility Remote app allowing the error to be reset by clicking on *Reset error*. The error will persist until reset within the app, even if current is reduced to a normal operating range.

Attention: Overcurrent of an output can be a result of connecting the output to a component which needs too much current. Make sure the current do not exceed a maximum of 3.7A per output.

EN

LED-light error codes

Care instructions

- The product is maintenance free for the user. Maintenance and repairs must be done by a specialist.

- The device should be cleaned only with a damp cloth and without chemicals. Doing otherwise may damage the product.

- Electronic devices are recyclable, dispose of properly in accordance with applicable legal regulations.

Warranty

The BraunAbility Remote comes with a 3-year warranty.

The BraunAbility Remote device has been tested in a controlled environment and has proven to be resistant to moisture and dust under certain conditions (meets the requirements of classification IP66 as described by the international standard IEC 60529).

Please read and follow the contents of this user manual. Improper and/or incorrect operation can result in personal injury and damage of the materials. Any unauthorized disassembly and/or alteration voids the manufacturer's warranty. All necessary and used parts must be authorized by the manufacturer so the BraunAbility Remote may be reliably operated over its lifetime.

Product certificate

Manufacturer /

ICP Systems B.V.
Handelsweg 48, 7451PJ Holten
Netherlands

Phone: +31 548 636 200
http://www.icpgroup.nl

Declares that the product /

BraunAbility Remote
(BT receiver, ICARUS blue, 90010000)

**Conforms to following directives
and regulations/**

Radio Equipment Directive (RED) 2014/53/EU
Low Voltage Directive (LVD) 2014/35/EU
Electromagnetic Compatibility (EMC) 2014/30/EU
UN ECE Regulation 10 Revision 5

Safety	EN 62368-1:2014
EMC	EN 301 489-1 V1.9.2
	EN 61000-3-2:2014
Radio	EN 300 328 V2.1.1

Year in which CE marking was first affixed : 2016

ICP Systems B.V. Holten, Netherlands 2019-06-14

P. Rasche

Philipp Rasche, ICP systems B.V.

CE

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