

## PATCH DOCUMENTATION

### Change Log: e-Cast operator device (ET3400-T) and sensors (ET3400-WE)

**Sensor Update: Version 1.03.00 (2017/07/17)**

New hardware: new sensor available

**Operator device update: Version 1.05.03/2.05.03 (2017/04/03)**

Spelling mistakes have been corrected.

**Operator device update: Version 1.05.02/2.05.02 (2017/02/21)**

Spelling mistakes have been corrected.

**Operator device update: Version 1.05.01/2.05.01 (2017/02/20)**

Spelling mistakes have been corrected.

**Operator device update: Version 1.05.00/2.05.00 (2017/01/26)**

New: annual calibration

**Sensor update: Version 1.02.17 (2015/09/08)**

*Fixed issue:* minor errors when activating the sensors from sleep mode have been corrected.

The activation of the sensors from sleep mode has been improved.

New: annual calibration

**Operator device update: Version 1.03.00 (2014/08/25)**

New: selection of an orthosis side (left or right leg)

**Operator device update: Version 1.02.00 (2014/07/10)**

New: The new menu item "Delete measurements" has been added.

New: The ideal position can now be corrected and determined again.

**Operator device update: Version 1.01.04 (2014/05/29)**

**Sensor update: Version 1.02.07 (2014/05/29)**

The energy consumption during Sleep mode of the sensors has been improved.

**Operator device update: Version 1.01.03 (2014/05/19)**

Spelling mistakes have been corrected.

**Operator device update: Version 1.01.02 (2014/04/24)**

**Sensor update: Version 1.02.06 (2014/04/24)**

New: The device recognises a tremor.

**Operator device update: Version 1.00.03 (2014/03/06)**

**Sensor update: Version 1.01.05 (2014/03/06)**

*Fixed issue:* the sensors' energy consumption during measurements has been reduced.

New: the sensors' sleep mode, when the sensors are stored in certain positions, has been improved.

**Operator device update: Version 1.00.02 (2013/12/04)**

The USB functionality for Windows has been improved.

The measurement of the battery's state of charge has been improved.

New: the "new measurement" got a new sub-menu item for the selection of an orthosis type (KAFO, AFO or KO).

**Operator device update: Version 1.00.01 (2013/10/18)**

*Fixed issue:* the measurement of the battery's state of charge has been improved.

Better warning at very low battery's state of charge.

## PATCH DOCUMENTATION

### Change Log: NEURO TRONIC multi-purpose device (ET3830-T) and controller (ET3830)

#### **Multi-purpose device update: Version 4.03.07 (2019.12.16)**

*New:* code for troubleshooting

*Improvements:* bug fixes related to ET3830

#### **Controller update: Version 2.82 (2019.12.16)**

*Improvements:* bug fixes

#### **Multi-purpose device update: Version 4.03.06 (2019.08.14)**

*Improvements:* renewed icons, small bug fixes

#### **Controller update: Version 2.81 (2019.08.14)**

*New:* step counter for each mode (Free, Auto, Lock)

#### **Multi-purpose device update: Version 4.03.05 (2019.05.15)**

#### **Controller update: Version 2.80 (2019.05.15)**

*New:* rotation safety (adjust rotation safety for easier unlocking)

#### **Multi-purpose device update: Version 4.03.02 (2018/11/21)**

#### **Controller update: Version 2.69 (2018/11/21)**

*Fixed issue:* improved data processing in e-Motion

#### **Multi-purpose device update: Version 4.03.01 (2018/11/08)**

#### **Controller update: Version 2.68 (2018/11/08)**

*Fixed issue:* reduced sensitivity of mode change at standstill

#### **Multi-purpose device update: Version 4.03.00 (2018/09/17)**

*New:* mid stance settings, terminal swing settings

#### **Controller update: Version 2.67 (2018/09/17)**

*New:* mid stance settings, terminal swing settings, mode change only at standstill

#### **Multi-purpose device update: Version 4.01.06 (2018/05/17)**

#### **Controller update: Version 2.66 (2018/05/17)**

*New:* adjustable unlocking moment

#### **Multi-purpose device update: Version 4.01.04 (2017/05/05)**

No change, only a new version of the controller ET3830: v.2.65.

#### **Controller update: Version 2.65 (2017/05/05)**

*Fixed issue:* in Auto mode, the controller does no longer switch to Free mode when having a low battery status but remains locked.

Improved response to radio signals.

#### **Multi-purpose device update: Version 4.01.03 (2014/12/22)**

The signal function is now automatically switched on after an update.

#### **Multi-purpose device update: Version 4.01.02 (2014/12/12)**

The battery check during carrying out a controller update has been improved.

#### **Controller update: Version 2.64 (2014/12/12)**

*Fixed issue:* When sound settings were changed, the Auto mode sometimes did not respond any more.

#### **Multi-purpose device update: Version 4.01.01 (2014/09/25)**

Batteries have to be fully charged for an update.

#### **Controller update: Version 2.61 (2014/09/25)**

*New:* Signal function for p-Motion available.

*Fixed issue:* The calibration has been improved (signal filter).

The stability in e-Motion has been improved.

#### **Multi-purpose device update: Version 4.01.00 (2014/09/10)**

*New:* Signal function for p-Motion available.

#### **Controller update: Version 2.60 (2014/09/10)**

*Fixed issue:* The system joint switched from e-Motion to p-Motion unintentionally.

*New:* Settings will be saved on an external storage unit now (for higher reliability).

Rechargeable batteries of the controller have to be fully charged for an update.

The step count in e-Motion is saved more often.

**Multi-purpose device update: Version 4.00.10 (2014/07/11)**

**Controller update: Version 2.52 (2014/07/11)**

The controller calibration has slightly been adjusted.  
The e-Motion technology has been improved.

**Multi-purpose device update: Version 4.00.09 (2013/10/29)**

**Controller update: Version 2.50 (2013/10/29)**

Shock detection was added to the controller for better resistance to shocks/hits.

**Multi-purpose device update: Version 4.00.08 (2013/10/31)**

*Fixed issue:* A wrong message was displayed when a user tried to update an old controller version that cannot be updated.

Minor spelling mistakes have been corrected.

**Multi-purpose device update: Version 4.00.07 (2013/10/24)**

Minor spelling mistakes have been corrected.

**Change Log: NEURO TRONIC multi-purpose device (ET3840-T), controller (ET3830, ET3840, ET3845) and Remote Control (ET3840-P)**

**Multi-purpose device update: Version 5.03.07 (2019.12.16)**

*New:* code for troubleshooting

*Improvements:* bug fixes related to ET3830

**ET3840-P Patient remote control update: Version 1.0.12 (2019.12.16)**

*Improvements:* connection with controller

**ET3830 Controller update: Version 2.82 (2019.12.16)**

*Improvements:* bug fixes

**Multi-purpose device update: Version 5.03.06 (2019.08.14)**

*Improvements:* renewed icons, small bug fixes

**ET3830 Controller update: Version 2.81 (2019.08.14)**

**ET3840 Controller update: Version 3.00.46 (2019.08.14)**

**ET3845 Controller update: Version 3.00.46 (2019.08.14)**

*New:* step counter for each mode (Free, Auto, Lock)

**Multi-purpose device update: Version 5.03.06 (2019.08.14)**

**ET3830 Controller update: Version 2.81 (2019.08.14)**

**ET3840 Controller update: Version 3.00.46 (2019.08.14)**

**ET3845 Controller update: Version 3.00.46 (2019.08.14)**

*New:* step counter for each mode (Free, Auto, Lock)

*Improvements:* renewed icons and small bug fixes

**Multi-purpose device update: Version 5.03.05 (2019.05.15)**

**ET3830 Controller update: Version 2.80 (2019.05.15)**

**ET3840 Controller update: Version 3.00.45 (2019.05.15)**

**ET3845 Controller update: Version 3.00.45 (2019.05.15)**

*New:* rotation safety (adjust the protection against unintentional unlocking during rotation movements)

**Multi-purpose device update: Version 5.03.04 (2019.01.23)**

**ET3840 Controller update: Version 3.00.42 (2019.01.23)**

*New:* indication of bluetooth connection

**ET3845 Controller update: Version 3.00.42 (2019.01.23)**

*New:* indication of bluetooth connection

**Multi-purpose device update: Version 5.03.03 (2018.12.17)**

**ET3840-P Patient remote control update: Version 1.0.11 (2018.12.17)**

*Fixed issue:* unreliable connection with controller

**Multi-purpose device update: Version 5.03.02 (2018/11/21)**

*Fixed issue:* troubleshooting in the updating process

*Fixed issue:* menu item Battery Quality was sometimes not accessible

**ET3830 controller update: Version 2.69 (2018/11/21)**

*Fixed issue:* improved data processing in e-Motion

**Multi-purpose device update: Version 5.03.01 (2018/11/08)**

**ET3830 controller update: Version 2.68 (2018/11/08)**  
**ET3840 controller update: Version 3.00.41 (2018/11/08)**  
**ET3845 controller update: Version 3.00.41 (2018/11/08)**  
*Fixed issue:* reduced sensitivity of mode change at standstill

**Multi-purpose device update: Version 5.03.00 (2018/09/17)**  
*New:* mid stance settings, terminal swing settings  
**ET3830 controller update: Version 2.67 (2018/09/17)**  
**ET3840 controller update: Version 3.00.40 (2018/09/17)**  
**ET3845 controller update: Version 3.00.40 (2018/09/17)**  
*New:* mid stance settings, terminal swing settings, mode change only at standstill  
**ET3840-P Remote Control Update: Version 1.00.10 (2018/09/14)**  
LED signals have been updated according to the manual.

**Multi-purpose device update: Version 5.00.06 (2018/05/17)**  
No change, only a new version of the controller ET3830: v.2.66.  
**ET3830 controller update: Version 2.66 (2018/05/17)**  
*New:* adjustable unlocking moment