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# App user manual SmartEnergizer

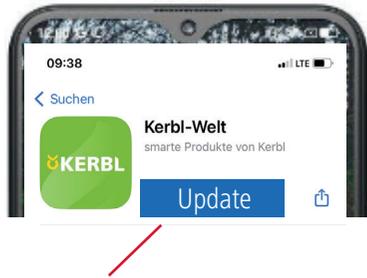
Version 2024|02|21 - iOS|Android

**AKO**  
WEIDEZAUN

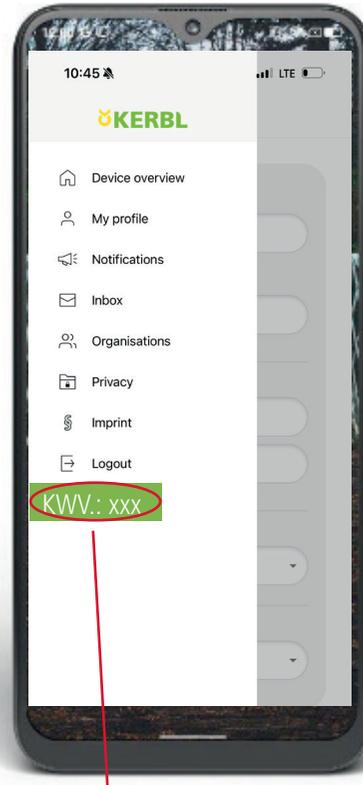
# The Kerbl-Welt app

The Kerbl app allows you to control and adjust the settings of your SMART ENERGIZER directly from your mobile phone.

The app supports you in managing and operating your SMART-compatible manage and operate them.



**NOTE**  
Make sure that you always have the latest version of the app loaded. Therefore, regularly check the available updates in the AppStore or PlayStore. We recommend that you activate the automatic update function in the settings.



Information about the installed version



## Control in the browser

The Kerbl-Welt app can also be opened via the computer browser. Link: [Kerbl Welt \(kerbl-iot.com\)](http://kerbl-iot.com)

System requirement:  
**iOS: at least 13.0** or higher  
**Android: at least 5.1** or higher



# Functions & control

1 | supply voltage (12 volt battery or 12/230 volt mains adapter)



full medium weak

Device is ON & ONLINE

## NOTE

The appliance activates the power-saving mechanism, i.e. the device switches to the low power level. The output energy is reduced and the pulse interval changes to 2 seconds.



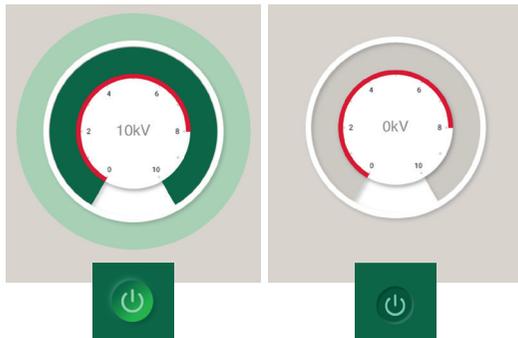
empty

Device is OFF & OFFLINE

## NOTE

The visibility of the battery voltage update in the app can take up to 30 minutes.

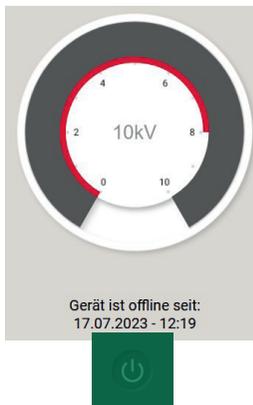
2 | ON ... OFF



## NOTE

If the device is switched directly via the manual ON/OFF switch, a message is displayed in the app.

OFFLINE



## NOTE

The app goes OFFLINE if ...

- the power supply has been manually interrupted  
=> the device switches OFF
- the battery is empty  
=> the device switches OFF
- there is no more LTE reception to the cloud  
=> device remains ON (no app control possible!)
- Localisation of the device has been started  
=> device remains ON (no app control possible!)
- the device has been manually switched to 0 for 10 minutes  
=> Device is OFF

The visibility of the OFF-LINE mode in the app can last up to 10 minutes.



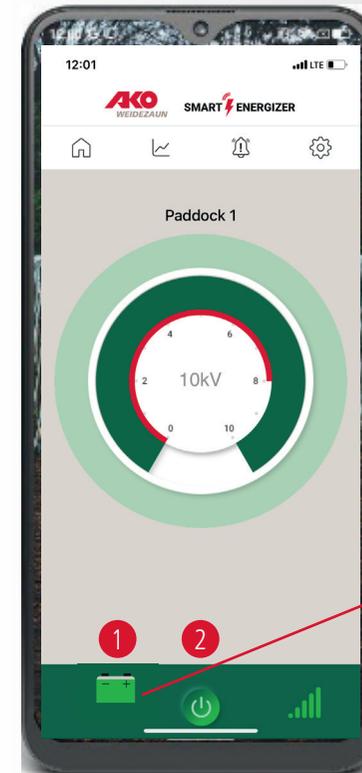
After a further 30 minutes, you will receive an alarm message including a push notification/email (if activated).

## NOTE

If the device has been manually switched to 0, ON/OFF control via the app is NOT possible!  
If the device has been switched to 0 for 10 minutes, the device goes OFFLINE.  
The device can still be localised during these 10 minutes.

## NOTE

The Smart Energiser can also be controlled manually at any time without an app!

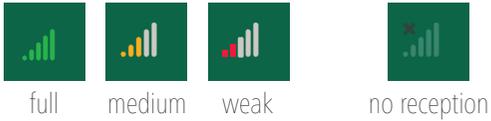


## NOTE

The current battery status is displayed by tapping the battery symbol.

# Functions & control

## 3 | LTE reception of the SMART ENERGIZER

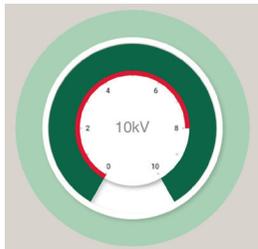


**NOTE**  
Please change the location of the device.

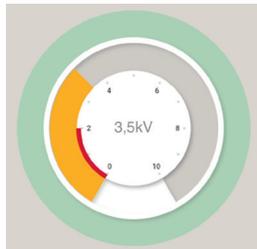


**NOTE**  
Installation in a metal battery box, indoors or under a roof may jeopardise the radio connection to the LTE/GPS network.

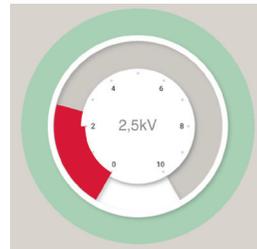
## 4.0 | Operating status | Output voltage



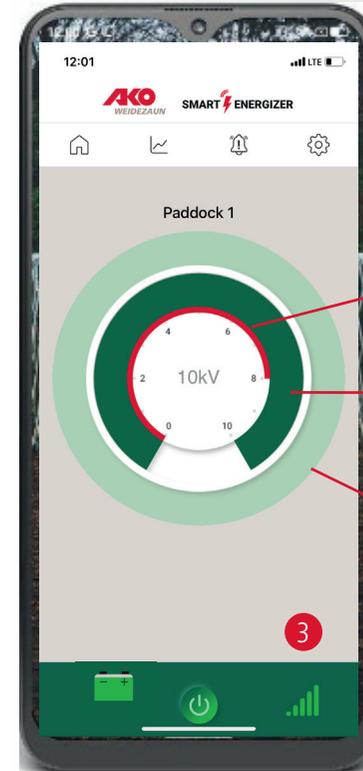
high  
ab 5,1 kV



medium  
3,1-5 kV



weak  
0-3 kV

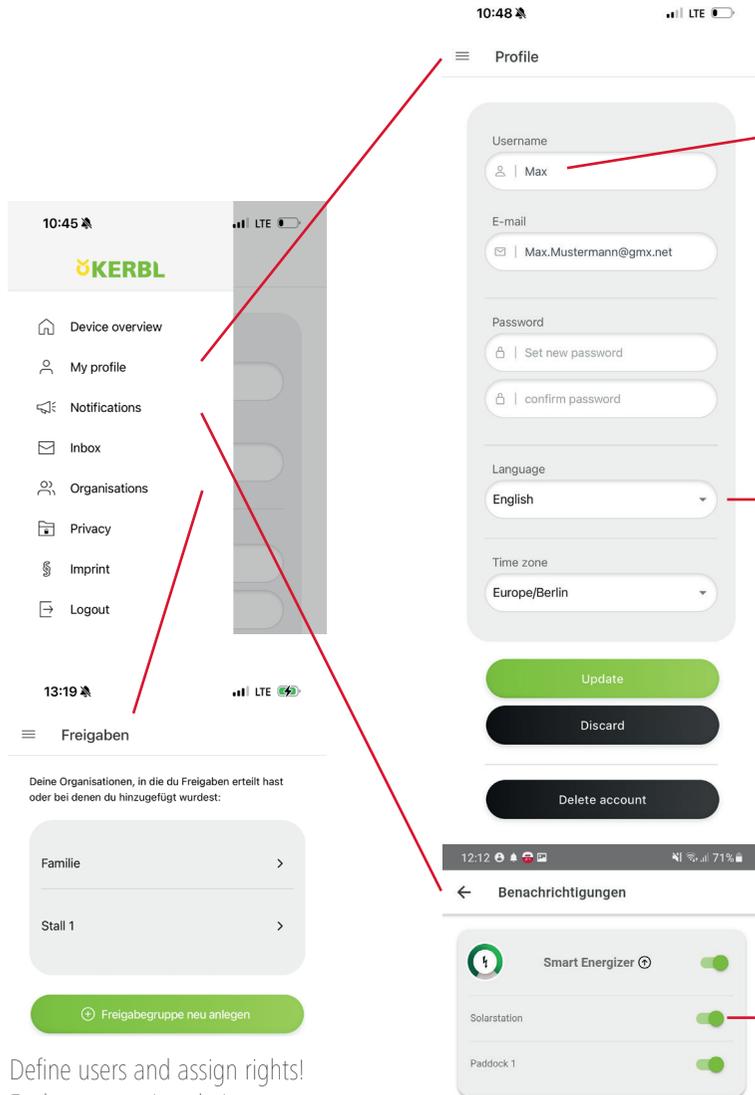


- 4.1 Red bar: Fence alarm threshold
- 4.2 Inner circuit: Output voltage \*see FAQ
- 4.3 pulsating alarm outer circle: green: OK red: below the fence alarm threshold

# Functions & control

1 | The Kerbl Dashboard / The device overview  
 ...keeps track of all SMART devices that you have added to the app.

1a | Kerbl Dashboard - Menu

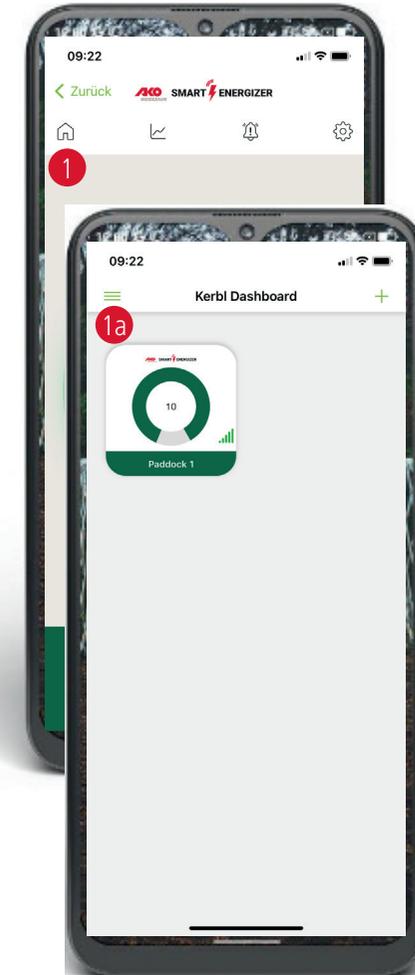


The „User name“ field does not need to be assigned as the field is not currently active.

These languages are currently available. Please select your language.

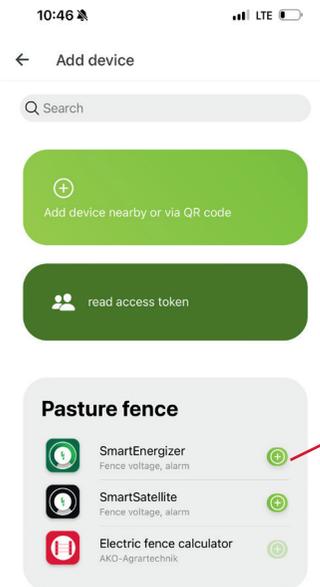
Set the sliders to green if you want to receive push notifications.

Define users and assign rights!  
 Each user requires their own account for this.



# Functions & control

1b | Kerbl Dashboard / The device overview - Add pasture fencing devices



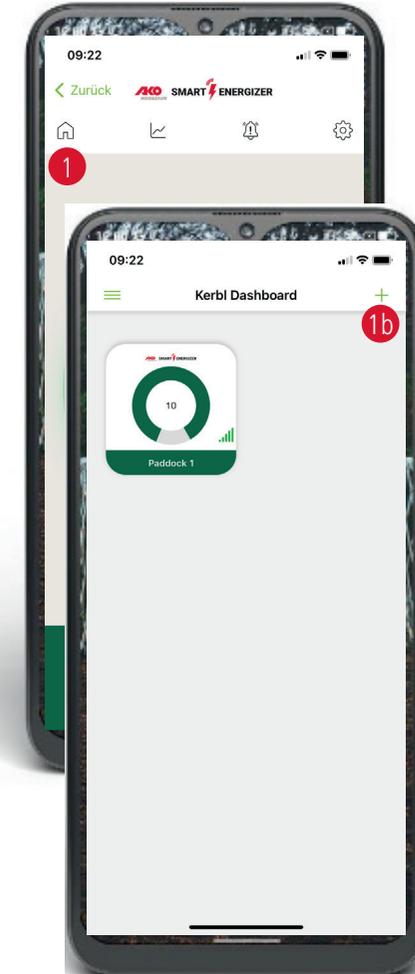
Please select „+“ for „SmartEnergiser“. The QR code scanner will open directly. The QR code is located on the back of the device. The device can only be assigned to one account.

**ATTENTION:**  
The Bluetooth connection is not available for pasture fence devices.

NOTE



...see app installation instructions from step 5.

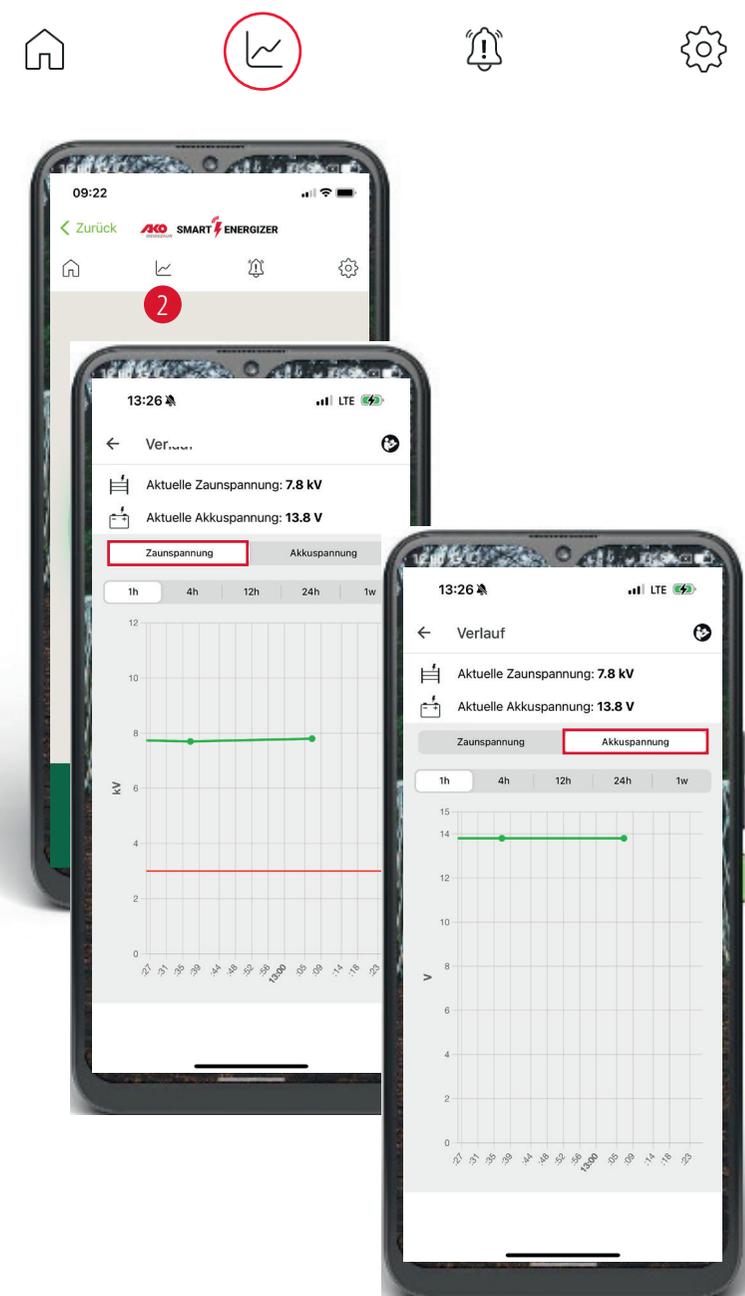


# Functions & control

2 | The course of the fence & battery voltage  
...can be displayed graphically between 1 hour and 1 week.

**NOTE:** The data is currently stored in the Cloud for a maximum of 3 months.

**ATTENTION:** This can be changed by the manufacturer at any time.



# Functions & control

## 3 | Messages & Alerts

In the device:

**Alarm** messages are indicated by the red bell symbol and the red circle including the number of different alarms.

The overview of all messages is listed in the background with the date and time. Please tap the bell symbol for this.

In the dashboard:

**Alarm** messages are displayed in the dashboard by the red circle and the exclamation mark. The exclamation mark disappears when the alarm messages via the bell symbol.



Alle Meldungen Löschen



## 3a | Delete messages

The messages can be deleted individually by swiping or by clicking the black button at the bottom.

## 3b | Operating instructions

Click on the button at the top right to go to [www.my-manual.eu](http://www.my-manual.eu) where you can view all operating instructions.



# Overview of all messages

	Messages 	Alert messages 	Push messages	E-Mail
 <b>Gerät wurde angeschaltet</b> 16.04.2023 17:19	✓		✓	
 <b>Gerät wurde ausgeschaltet</b> 16.04.2023 17:19	✓		✓	
 <b>Schlagstärke hoch</b> 23.05.2023 04:51	✓			
 <b>Schlagstärke mittel</b> 23.05.2023 04:50	✓			
 <b>Schlagstärke niedrig</b> 23.05.2023 04:50	✓			
 <b>Zaunspannung liegt unterhalb der Alarmschwelle</b> 14.04.2023 11:53	✓	✓	✓	✓
 <b>Akku schwach</b> 12.04.2023 11:21	✓	✓	✓	
 <b>Akku leer</b> 12.04.2023 11:21	✓	✓	✓	✓
 <b>Gerät seit längerer Zeit offline</b> 20.02.2024 17:10	✓	✓	✓	✓



# Functions & control

4 | The settings of your electric fence energiser and the app ...can be defined here and adjusted at any time if necessary.

4a | Set & change device name

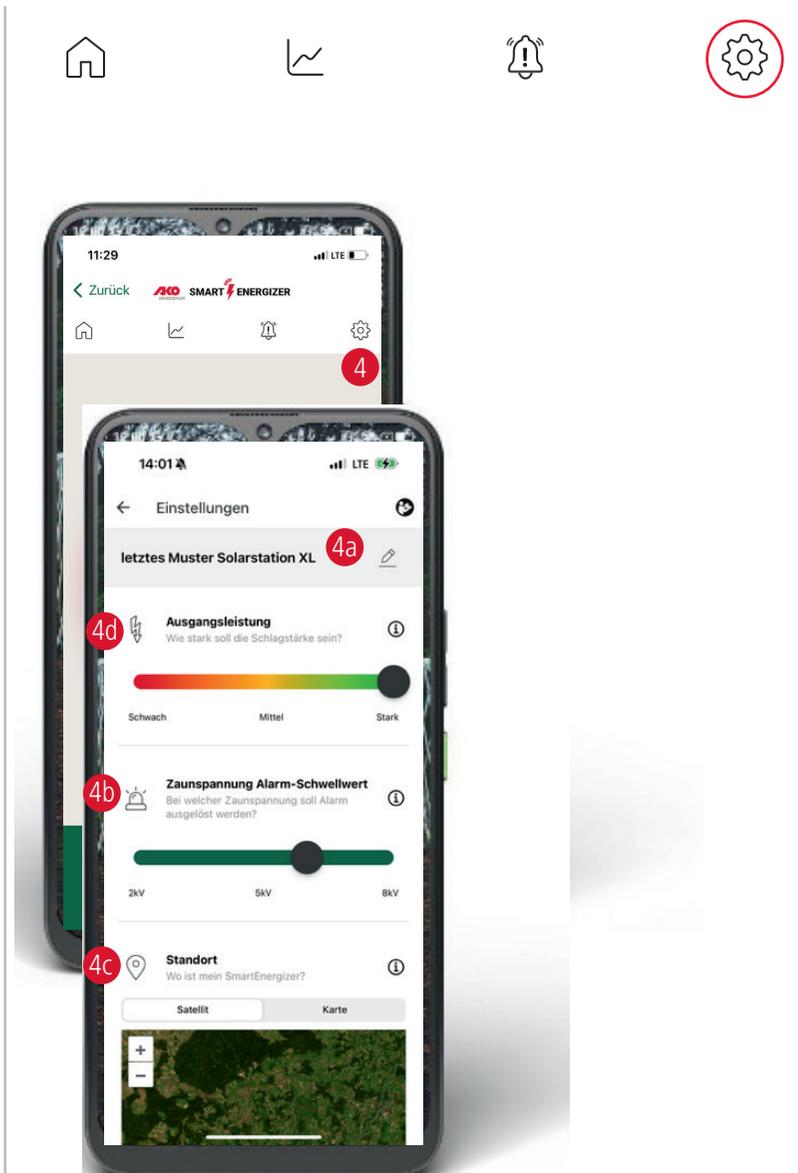
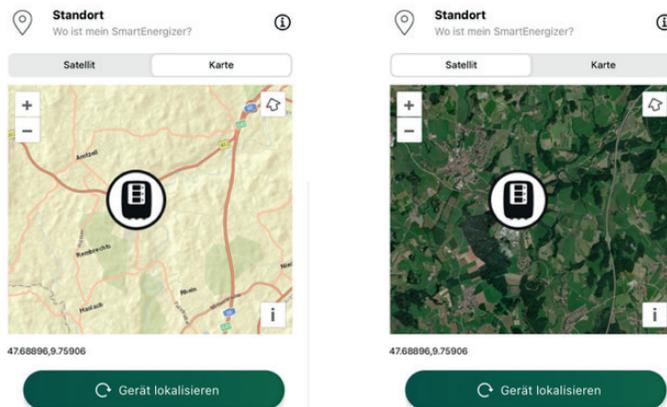
4b | FENCE ALARM THRESHOLD

Here you can set the lower limit of the fence voltage continuously between 2 kV - 8 kV. An alarm is triggered if the voltage falls below the set value.

4c | LOCALISATION

You can locate your SmartEnergisier here. Localisation requires that the fence energiser is in operation and has LTE and satellite reception. If the device is in a building, the localisation will most likely not work.

NOTE During localisation, it is not possible to control the electric fence energiser via the app for approx. 3 minutes.



# Functions & control

4d | Switch position & Output power

Battery status

full 

+  
medium 



Switch level I



**AUSGANGSLEISTUNG**  
Wie stark soll die Schlagstärke sein?

weak mittel stark



20 % output joules  
Pulse interval: 2 sec

**AUSGANGSLEISTUNG**  
Wie stark soll die Schlagstärke sein?

schwach medium stark



40 % output joules  
Pulse interval: 1.5 sec

## NOTE

If you change the levels on the switch, it can take up to 20 seconds until the change in power is visible in the app.



Switch level II



**AUSGANGSLEISTUNG**  
Wie stark soll die Schlagstärke sein?

weak mittel stark



20 % output joules  
Pulse interval: 2 sec

**AUSGANGSLEISTUNG**  
Wie stark soll die Schlagstärke sein?

schwach medium stark



40 % output joules  
Pulse interval: 1.5 sec

**AUSGANGSLEISTUNG**  
Wie stark soll die Schlagstärke sein?

schwach mittel strong



100 % output joules  
Pulse interval: 1.5 sec

Battery status



weak



**AUSGANGSLEISTUNG**  
Wie stark soll die Schlagstärke sein?

schwach mittel stark



20 % output joules  
Pulse interval: 2 sec



## NOTE

The device automatically activates the power-saving mechanism, i.e. the device switches to the low power level. The output energy is reduced to 20 % and the pulse interval changes to 2 seconds.

## ATTENTION

Please charge the 12 V battery!

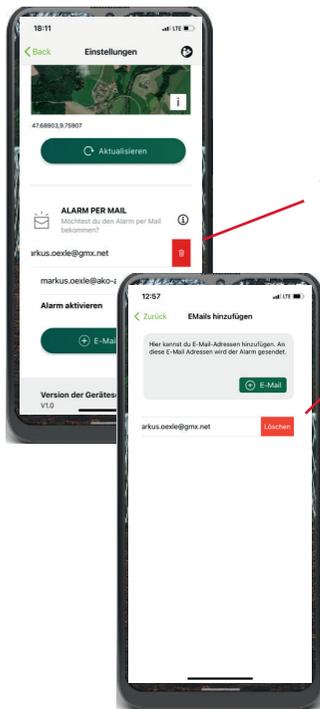
# Functions & control

## 4e | ALARM PER MAIL

Here you can choose whether you would also like to be notified by e-mail when an alarm is triggered. To do this, activate the slider and enter the desired e-mail addresses to use this function.

ATTENTION: It can take up to 10 minutes to receive an e-mail.

### Android



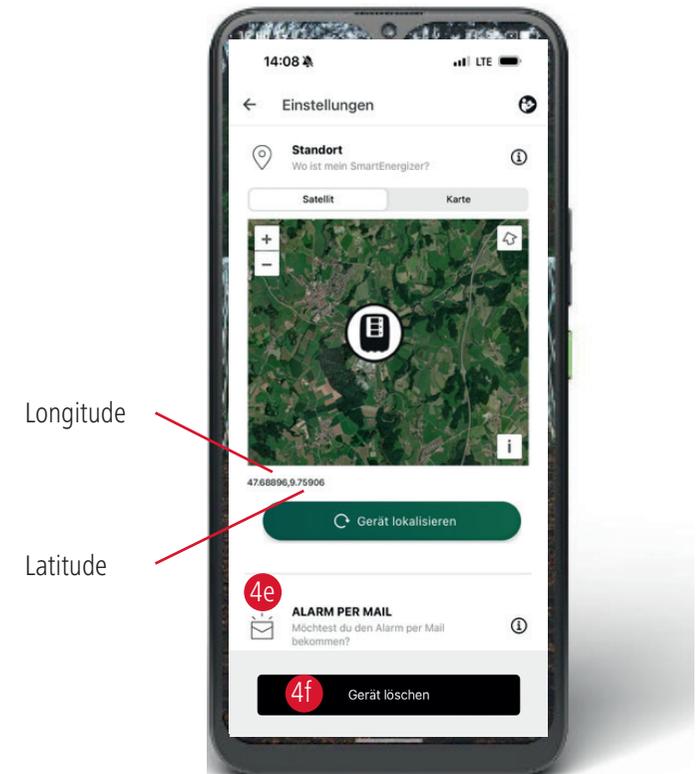
Delete e-mail addresses  
You can delete the e-mail addresses again by „swiping“ to the left.

iOS

## 4f | DELETE DEVICE

You can delete the electric fence device from the app here.

NOTE This is mandatory if a new user wants to scan the device's QR code.

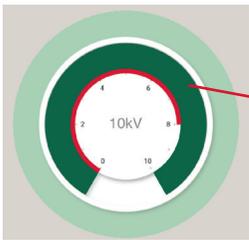


Longitude

Latitude

# FAQ

- 1 | The voltage information in the app represents the output power directly on the device. The actual fence status (e.g. defects in the fence system cf. vegetation etc.) can only be reliably displayed in the app if the earthing as well as the conductivity and conductivity and all connections of the fence conductor material are good.  
**TIP** Approximation of the alarm threshold to the current output voltage, so that smaller voltage losses are also signalled.



4.2 Inner circuit:  
Output voltage

- 2 | Can I also operate the Smart Energiser without an app? => YES  
**TIP** If there is no connection between the app and the device, the device can also be controlled manually. The switch directly on the device „has 1st priority“ - i.e. I can e.g. switch on/operate a device that is in switch position 0 CANNOT be switched on/operated via the app. Conversely, however, a device that is switched off via the app can be reactivated using the device switch.
- 3 | At what intervals is the device data updated in the app?
- The device automatically sends
- ...**every 30 minutes** a status update regarding (battery voltage, fence voltage, ...)
  - ...**immediately** sends a status update if:
    - the battery status changes (full => medium => low => empty)
    - if the impact strength is changed via the controller
    - an alarm is triggered
    - the device is switched ON/OFF
  - ...a status update **after 10 consecutive cycles** if:
    - the fence voltage deviates by more than 1kV from the last transmitted value during the 10 cycles

- 4 | Bargraph display on SmartEnergiser only lights up red during CHECK  
**TIP** Disconnect the fence from the appliance  
=> If no change occurs, the device must be returned to the factory.  
Otherwise the fault is in the fence system.
- 5 | App cannot be operated  
**TIP** Mobile phone AND SmartEnergiser (see 3.) must have a connection „to the Internet“ for mutual communication! Smart Energiser cannot „radio“ via WLAN.
- 6 | App shows OFFLINE (see p.2)  
**TIP** If you are currently OFFLINE, simply switch briefly to the dashboard and back again - the status may then be updated again.
- 7 | How can I remove an additional user who was originally authorised?  
**TIP** To do this, assign your new password in the profile or organise the users via the users via the release groups.
- 8 | What if I delete a device from the app but other (my) users still have this device in the app?  
**TIP** Then it is also deleted there.
- 9 | What happens if another (my) user changes the password or deletes a device deleted from the app?  
**TIP** Please contact AKO-Agrartechnik GmbH & Co. KG.
- 10 | OFFLINE  
**TIP** If the device is not online, it will not find a network. During this offline time the device is restarted in the background every 10 minutes. This means that every 10 minutes the network search is started.

# FAQ

11 | What if I want to access a device belonging to another account, but I have already created my own account for another device?

**TIP** In the menu, log out the current account and log in the other one.

12 | What is the difference between „Log out“ in the app and the „Wipe up“ app?

**TIP** „Log out“: You can no longer use any functions in the app.

„Swipe up“ (iOS): The account is logged out and the app is closed in the closed in the background.

„Swipe up“ (Android): The app is closed in the background but the login remains active.

13 | What is the username in the profile for?

**TIP** You do not have to enter a user name. This field is not currently used.

14 | Which time zone do I need to set?

**TIP** Please select the time zone depending on your location.

15 | Is the power consumption of the SmartEnergiser higher than that of the comparable basic appliance?

**TIP** Yes ... by about 10mA.

16 | How long are the messages and history data stored?

**TIP** The messages are stored until the user deletes the messages themselves.

The fence & battery voltage history data is currently stored in the cloud for 3 months and then deleted automatically.

17 | A white screen appears when opening the app

**TIP** In this case, the server has crashed and cannot be reached. Please try again at a again at a later time.

18 | Changing the location of the device

**TIP** Yes, if the device changes location, the NEW location is not automatically updated in the APP. The new localisation/location MUST be „triggered“ in the APP. Tracking requires that the electric fence energiser is in operation and has LTE and satellite reception. If the device is located in a building, the localisation will in all likelihood will most likely not work.

**NOTE** During localisation, it is not possible to control the electric fence box via the app.

19 | Voltage displayed in the app

**TIP** The voltage displayed in the app is the output or terminal voltage, but not the voltage at the fence. The voltage at the fence is still influenced by conductor material resistance or vegetation.

# AKO-Agrartechnik GmbH & Co. KG

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