App user manual

K2 Buddy App

First setup of the K2 Buddy App as an installer

K2 systems

Connecting Strength

k2-systems.com

General

1

Download the app from the AppStore or Google-PlayStore. You can then open the K2 Buddy app.

2

Log in with your account or register a new account with MyK2.
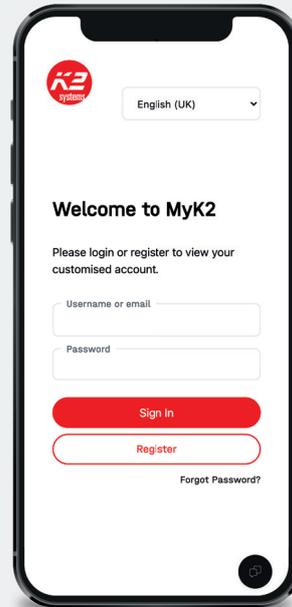
3

Select the "Installer" role to set up the BaseBox with all the necessary data.
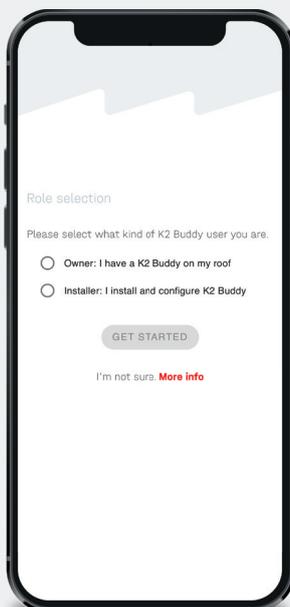
4

Scan the QR code on the side of the BaseBox label or enter the device ID manually.
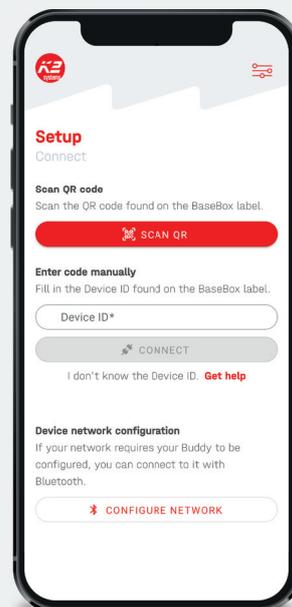
5

If necessary, enter the Base Public ID of the project to import data directly.

6

Enter the location where the K2 Buddy is installed. The map automatically jumps to the entered location.
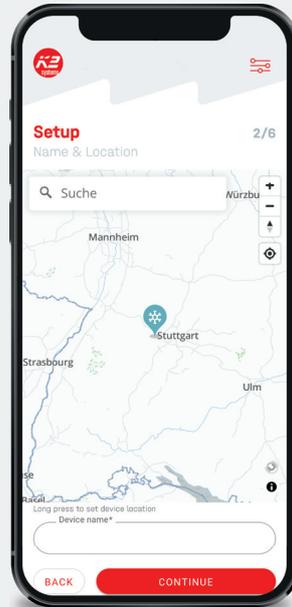
7

Enter the roof type, the roof covering, the installed mounting system and the cantilever (distance clamp/peak) to the module edge.

8

Enter the data for the PV module - the dimensions are inserted automatically. If a module is not stored, enter the dimensions manually.
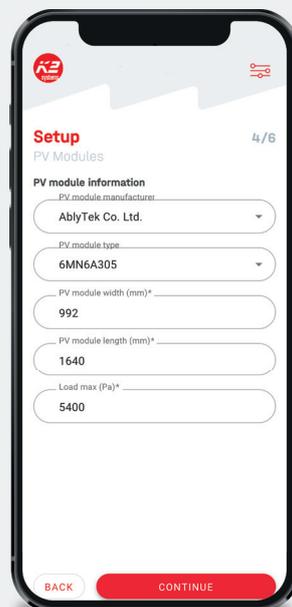
The maximum load capacity can be found in the module manu-facturer's installation instructions.

Please note the different load capacities for different clamping methods.

9

The two load cells (snow weigher 1 + 2) have different sensitivities (in mV/V). Read these off the TopBox and enter them here.
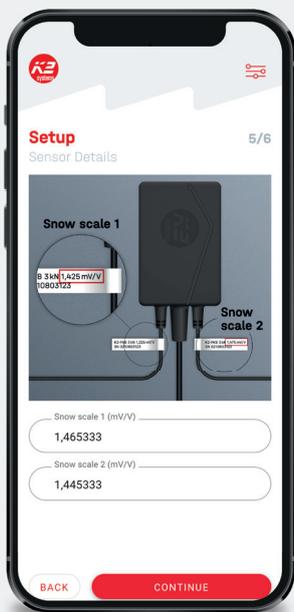
10

Ensure that the PV module has been cleared and that there are no loads on it at least 10 minutes before taring.
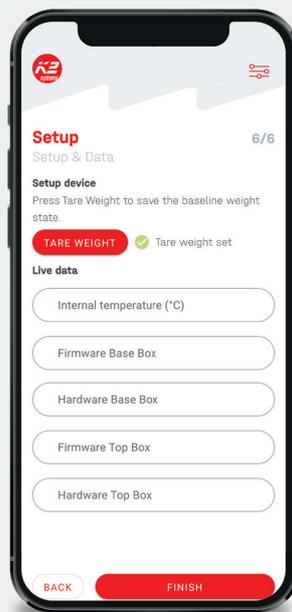
Only then can you press "Tare".

The system weighs the module and saves the empty weight.

11

Done! The main window appears with the current measured value.

You will see the current snow load in % and and the historical data for the selected period (day, week, month, year)

The data you have entered is shown in a small overview under Information.

To change the data, you must use the "Edit" button. This will take you back through the entire configuration. You can change and view all the data here. You can also delete the device from your list.

!

You can use the settings at the top right of the main window in your profile to select the select the type of notification.

If the snow weight reaches 50 % of the permissible load capacity of the module, you will receive the first message. If the value exceeds 80 %, the system sends another warning message.

Network configuration

Manual entry of the IP address (Bluetooth/DHCP settings)

If your network requires configuration of the K2 Buddy, you can do this via the Bluetooth connection.

1

Use the three lines in the top right-hand corner of the main screen to access the settings.
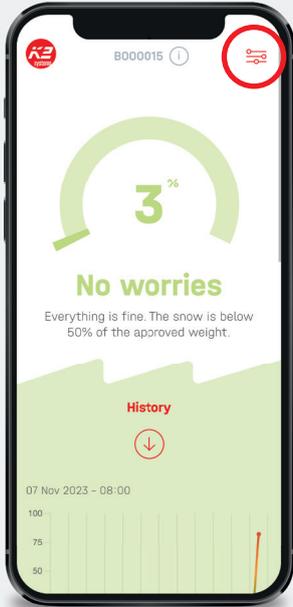
2

Click on "Configure network".
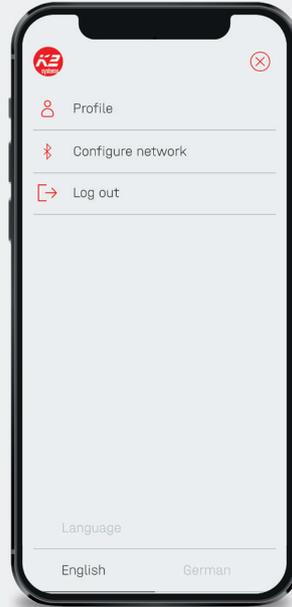
3

Alternatively: When adding a new device, it is also possible to access the network settings.
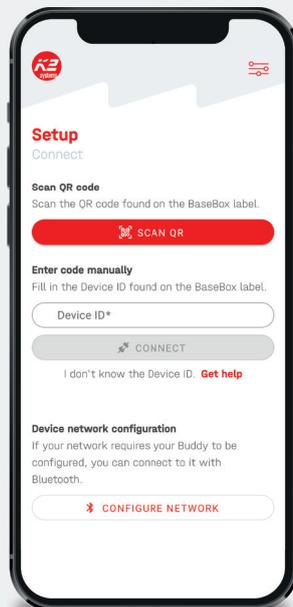
4

Follow the instructions in the app. Unplug the network cable from the Buddy BaseBox. Wait until the centre network LED on the BaseBox flashes.
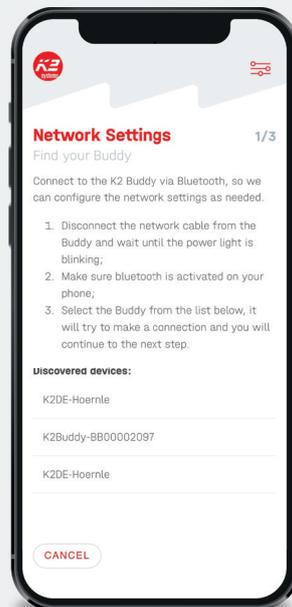
This means that the device has gone into provisioning mode.

"Activate Bluetooth on your smartphone and add "K2 Buddy " to Bluetooth.

5

Enter the data to integrate the device into your network.

Network Settings 2/3
Configure your Buddy
Set the network configuration for the K2 Buddy.

DHCP (Obtain IP automatically)

IP address

Subnet mask

DNS

Gateway

BACK   CONTINUE
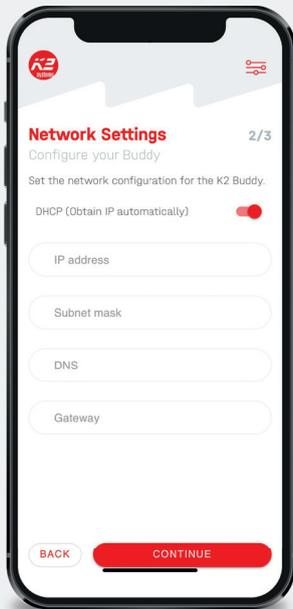
6

Plug the network cable back into the BaseBox. The BaseBox restarts and connects to the network.

Network Settings 3/3
Connect your Buddy

Please connect the network cable to your K2 Buddy. The device will restart. When you see a green light, the device is ready to use. You can continue by adding the device using the QR code.

BACK   DONE

!
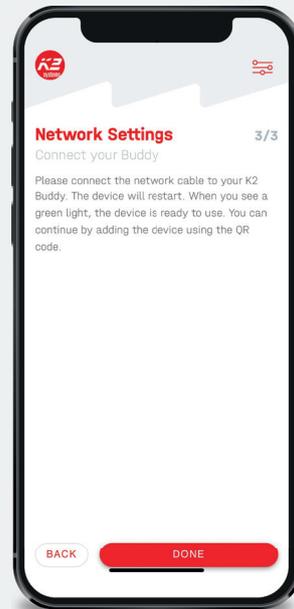
A traffic light system indicates how heavy the snow load on the modules is and whether action is required.

Green: Everything is fine

Yellow: Caution

Red: Attention!

Please also note the text describing the different statuses and follow the instructions.

B000015

3%
No worries
Everything is fine. The snow is below 50% of the approved weight.

History

07 Nov 2023 – 08:00

75%
ng heavy
r weather forecasts
ct if more snow falls.

History

89%
Too heavy!
We recommend removing the snow to protect your PV modules.

WHAT TO DO?

History

07 Nov 2023 – 08:00

Thank you for choosing a K2 mounting system.

Systems from K2 Systems are quick and easy to install. We hope these instructions have helped you. If you have any suggestions, questions or ideas for improvement, please do not hesitate to contact us. All contact details can be found at:

- **k2-systems.com/en/contact**

- **Service hotline: +49 7159 42059-0**

Our ALB apply; available at: k2-systems.com

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k2-systems.com