



ArgusKAI

Bluetooth Guard · OpenTeam × CamperStation

APP GUIDE

ArgusKAI app guide

The app shows you what your guard sees, and frees the line when you need it. This guide explains every function step by step, for iPhone and Android.

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Always up to date online: www.arguskai.com/app/manual



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1 The app at a glance

With the ArgusKAI app you set up your ArgusKAI and check what it is guarding. The app talks to the device directly over Bluetooth. There is no account and no registration.

- **Requirements:** an Android phone with Android 12 or later or an iPhone with iOS 15 or later, Bluetooth switched on, and an ArgusKAI within range; a few metres are enough.
- **Languages:** German, English, French, Spanish and Italian. The app follows your phone's language; you can change it under **Settings**.
- **Does the app have to stay open?** No. ArgusKAI guards by itself. You only need the app to check on things and make changes.

How to set up the device and what it can do by itself is explained in the [User manual](#).

2 Installation and permissions

1 Install: the “ArgusKAI” app from the App Store or Google Play; you will find the links at www.arguskai.com/app. Participants in the beta programme get the app ahead of time directly from us.

2 Allow Bluetooth: The first time it starts, the app asks for permission to use Bluetooth; on Android it is called “Nearby devices”. Please allow it; without it, the app cannot find any ArgusKAI.

If the permission was denied, the app reports *“Bluetooth permission missing – please allow it in the app settings.”* You can then grant it in your phone's settings, under the ArgusKAI app. If Bluetooth is off, the app shows *“Bluetooth is switched off – please turn it on.”*

3 Start screen: finding and connecting to ArgusKAI

While not connected, the app shows the start screen **Find ArgusKAI**. It immediately searches for ArgusKAI devices nearby and lists them with their name and signal strength.

1 Tap your ArgusKAI. You will find its name on the label: **ArgusKAI-XXXXXX**.

2 The first time, your phone asks for a code, see [section 4 “Pairing on first connection”](#).

3 Once the connection is established, the overview opens.

The app remembers the last connected ArgusKAI and, the next time it starts, connects to it by itself as soon as it is within range. If it cannot be found, the app shows *“Last connected ArgusKAI-XXXXXX is not in range. Is it powered on and nearby?”*

Also on the start screen: **Check nearby devices** (see [section 14 “Check mode: checking nearby devices”](#)), **About ArgusKAI**, Privacy and Legal notice.

4 Pairing on first connection

So that only you can get into your ArgusKAI, each phone pairs with it once. For this, the phone shows its own window with an input field.

1 Enter the six-digit pairing code from the label and confirm. You have 30 seconds to do this.

2 Done. From now on, this phone connects without a code.

If it does not work

Message	What to do
<i>"Pairing cancelled – please try again."</i>	The code was not entered in time. Tap ArgusKAI again and enter the code within 30 seconds. After a second cancellation within ten minutes, ArgusKAI blocks this phone for ten minutes.
<i>"Pairing failed (cancelled or wrong passkey)."</i>	Check the code. In the phone's Bluetooth settings, remove the pairing ArgusKAI-XXXXXX and connect again, especially after a factory reset of the ArgusKAI.
The code is correct but is rejected.	After three failed attempts within ten minutes, the pairing throttle is active. Wait ten minutes, or on a phone that is already paired, tap Lift pairing throttle under Settings .

5 The overview

The overview is the main screen once the app is connected.

Header

- the name of your ArgusKAI and the connection status: **connected**, **connecting ...** or **disconnected**
- Guard active** or, during a release, **Release active**
- two icons on the right: the clock opens **Events**, the gear **Settings**

Device cards

Each guarded device has a card with:

- name and status: **guarded**, **disconnected – searching...**, **paused · 10 min left** or **paused · permanently**
- a type badge if ArgusKAI knows the device type, such as BMS
- Key ✓** and **PIN ✓** if a key or PIN is saved
- Bluetooth address and signal strength
- the most important readings, for batteries for example **Voltage**, **Current**, **Level**, **Charge** and **Discharge**, for solar chargers **PV power**, **State** and **Yield today**

- the pause buttons, see [section 9 “Release and pause”](#)

The readings refresh every few seconds while the app is open. Tapping a card opens the device details, see [section 7 “Device details”](#).

Alarm, release, update

- If discharging is switched off on a battery, a red bar appears: “⚠ Discharge is switched off!” What to do then is explained in the [User manual, section 7 “Alarm: discharge switched off”](#).
- The **Release (all devices)** card releases all devices for ten minutes, see [section 9 “Release and pause”](#).
- When new firmware is available, the app shows “Firmware update x.y.z available.” Tapping it takes you to the update, see [section 13 “Firmware update”](#).
- **Add device** adds a device, see [section 6 “Adding a device”](#).

6 Adding a device

1 In the overview, tap **Add device**.

2 Tap **Scan for devices**. ArgusKAI searches for about five seconds and lists the Bluetooth devices nearby that have not been saved yet. Each entry shows whether ArgusKAI can display its readings (**readings are shown**) or only guards it (**guard only, no readings**).

3 Tap your device. The app asks “Connect to this device?” and reminds you to add only your own devices.

4 Enter a name, such as “House battery”, and tap **Connect**.

The app then reports the result:

Message	Meaning
“Connected! House battery is now guarded.”	All good.
“Found, but connection failed. ArgusKAI keeps trying automatically.”	The device is saved but did not respond just now. ArgusKAI keeps trying.
“Saved, but not found right now. ArgusKAI connects automatically once the device is advertising.”	Saved. ArgusKAI connects as soon as the device transmits again.
“Saved. Connection starts after the release ends.”	A release is running. The connection starts afterwards.
“This device is already saved.”	The device is already in the overview.
“A maximum of 5 devices is possible – please remove one first.”	All five memory slots are taken. Up to three devices are guarded reliably at once.

Device missing from the list? Perhaps it is currently connected to a phone, for example via the manufacturer's app, and therefore invisible to others. Close that app and search again. Devices with classic Bluetooth do not appear.

7 Device details

Tapping a device card opens the details: name and status at the top, the readings in large print below.

Readings

Depending on the device type, the **Readings** section shows, for example:

- **Batteries:** **Voltage** , **Current** , **Power** , **Level** , **Cell voltages** , **Temperatures** , **Charge cycles** , **Remaining capacity** , **Design capacity** and the BMS protection status in plain language, such as **Cell undervoltage** or **Discharge over-temperature**
- **Solar chargers:** **PV power** , **Voltage** , **State** , **Yield today**
- **Battery monitors:** **Voltage** , **Current** , **Level** , **Consumed** , **Time to go**

If ArgusKAI does not know a device's data format, the card says “*Guarded · readings not yet available for this device type*”.

Controls

- **Pause 10 min** , **Pause permanently** and **Resume** : see [section 9 “Release and pause”](#)
- **Key/PIN** : key for devices that broadcast encrypted readings, and a PIN note, see [User manual, section 8 “Devices and readings”](#)
- **Rename** : new name with 1 to 32 characters. Key, PIN and pause are kept.
- **Remove** : After a confirmation prompt, the device is deleted and no longer guarded.

8 Switching charging and discharging

For batteries that support it, the device details show the **Switches** section with **Charge** and **Discharge** .

- Switching on takes a single tap.
- Before switching off, the app asks for confirmation: “*Really switch charging off?*”
- For discharging, it asks twice. First comes the notice “*Warning: switching discharge OFF can cut all power. If ArgusKAI is powered by this battery, the app connection dies too – it can only be re-enabled on site.*” and then “*Really switch discharging off now?*”

“**Discharge off**” cuts power to everything connected to this battery. If ArgusKAI itself is powered by this battery, the connection to the app is lost too, and switching back on is only possible on site.

If the BMS does not accept the command, the app reports *“Switch command rejected by the BMS.”* The manufacturer's limits and settings deliberately cannot be changed via ArgusKAI.

9 Release and pause

Release for all devices

The **Release (all devices)** card in the overview temporarily releases all devices, for example for the app from your battery or solar charger manufacturer.

- **Release for 10 minutes** : ArgusKAI drops all connections. The card shows **Release active** and the time remaining, for example **8 min left** .
- **End release** : ArgusKAI takes over again immediately.
- After ten minutes, ArgusKAI takes over by itself.

Pause for a single device

On the device card and in the device details:

- **Pause 10 min** : Only this device is released for ten minutes; the others stay guarded.
- **Pause permanently** : The device stays released until you tap **Resume** , even after a restart.
- **Resume** : The device is guarded again immediately.

Close the manufacturer's app when you are done. As long as it is connected to the device, ArgusKAI cannot take the line back.

10 Events

The clock in the header opens the event log: the last 30 events, newest at the top, in your language. For example:

- *“House battery connected – now guarded.”*
- *“Connection to House battery lost – searching...”*
- *“WARNING House battery: discharge was SWITCHED OFF!”*
- *“Release active – apps can connect.”*
- *“Update successful: 3.6.40 → 3.6.41.”*

ArgusKAI counts the time since it started; from this, the app works out the date and time using your phone's clock. After a restart or power failure, the log starts afresh.

11 Settings

The gear in the header opens the settings.

Item	Purpose
Language	The app's language. Your choice is saved.
Change Wi-Fi password	New password for the ArgusKAI's hotspot, at least 8 characters. Afterwards, connect to the hotspot with the new password.
Turn on the device hotspot for 10 minutes	Switches on the hotspot for the web interface. While it is running, the entry shows <i>"Hotspot active – 10 min left. Tap to turn off."</i>
Lift pairing throttle	Only appears when the pairing throttle is active, see section 4 "Pairing on first connection" .
Device info	Firmware , Protocol version , App version , Serial number (S/N) , Bluetooth transmit power and Bluetooth pairing code . The serial number and firmware version help with questions to our support team.
Firmware update	Notice and Update now when a new version is available, see section 13 "Firmware update" .
Connect a different ArgusKAI	Disconnects and takes you to the start screen to choose a different ArgusKAI, see section 15 "Several ArgusKAI" .
Home Wi-Fi	Set up Wi-Fi for updates, switch it off and on, or remove it, see section 12 "Home Wi-Fi" .
About ArgusKAI , Privacy, Legal notice	Information about ArgusKAI and legal details.

12 Home Wi-Fi

"Over your home Wi-Fi the ArgusKAI fetches firmware updates by itself. Later it will also use it for remote monitoring (data to a server, alarm notifications). The Bluetooth protection itself needs no Wi-Fi."

- 1 Under **Settings** , in the **Home Wi-Fi** section, tap **Set up Wi-Fi** .
- 2 ArgusKAI searches for the Wi-Fi networks around it. Under **Choose Wi-Fi** , tap your network.
- 3 Enter the **Wi-Fi password** and tap **Save** . For an open network, leave the field empty.

The section then shows **Connected** or **Disconnected**. The **Home Wi-Fi active** switch turns the home Wi-Fi off and on again without deleting the access details; **Remove home Wi-Fi** deletes them.

ArgusKAI only sees Wi-Fi networks in the 2.4 GHz band. If it does not find any, the app reports “No Wi-Fi found. Is the router within range of the ArgusKAI?”

13 Firmware update

- 1 Requirement:** The home Wi-Fi is set up and connected, see [section 12 “Home Wi-Fi”](#).
- 2** When a new version is available, the app shows “Firmware update x.y.z available.” Tap it or open **Settings**, then tap **Update now**.
- 3** The app asks for confirmation: “Download and install firmware x.y.z now? Guarding pauses during the update, the device restarts – the app reconnects automatically.” Confirm.
- 4** The **Firmware update** screen appears with “Update in progress – the ArgusKAI will restart shortly”. ArgusKAI switches off Bluetooth, downloads the firmware and restarts. Stay nearby and keep the device connected to power.
- 5** After the restart, the app reconnects by itself and shows the result. **Done** takes you back.

Result	Meaning
“Update complete – the ArgusKAI is running again.”	The new version is running.
“Update failed – the ArgusKAI keeps running the previous firmware.”	Nothing is lost. Try again later; Show event log shows the reason.
“No newer update found – the ArgusKAI keeps running unchanged.”	Your ArgusKAI is already up to date.
“The ArgusKAI has not reported back yet.”	Still no connection after three minutes. Tap Keep waiting and check distance and power; if that does not help, briefly disconnect ArgusKAI from power.

The message “No home Wi-Fi connected – update not possible.” means that no home Wi-Fi is connected.

14 Check mode: checking nearby devices

Check mode shows how open the Bluetooth devices around you are. It also works without an ArgusKAI: on the start screen under **Check nearby devices**.

“The app only listens to what nearby Bluetooth devices broadcast on their own and rates how open their interface is. Nothing is changed; a test connection is started only on request.”

Colour	Meaning
 Red – open, type known	“This device type ships with an open Bluetooth interface: anyone within radio range can connect and, for example, switch off discharging or change settings.”
 Yellow – connectable without pairing, type unknown	“Anyone within radio range can connect to this device. What they could do with it depends on the device and cannot be told from outside.”
 Green – protected	“The device requires pairing or encryption before it reveals any data. Nobody gets in without authorisation.”
 Grey – no connection offered	“The device only sends beacons and accepts no connections – it cannot be attacked over Bluetooth this way.”
 Not yet rated	“Unknown device type. A brief test connection shows whether the device grants access without pairing and which services it offers. Nothing is read or changed in the process.”

Tapping a device shows details and a recommendation. For unknown devices, **Test connection** starts a brief connection that neither reads nor changes anything. Only start a test connection with your own devices. **Report device type** opens an e-mail to us so that we can add the device type.

15 Several ArgusKAI

One ArgusKAI for each place, for example in the camper and on the boat. The app is connected to one of them at a time.

- 1 Open **Settings** and tap **Connect a different ArgusKAI**.
- 2 On the start screen, tap the ArgusKAI you want. Each one needs its own pairing code the first time.

The app remembers the last one connected and reconnects to it the next time it starts.

16 Privacy

“No account, no registration, no advertising, no analysis of your behaviour.”

“The app’s only internet access: it fetches a small version file from arguskai.com so it can show you a firmware update. No identifier, no location, no device data. Everything else runs over Bluetooth between your phone and your ArgusKAI.”

Full details in the [CamperStation privacy policy](#).

17 Messages and what they mean

Message	What to do
<i>“Bluetooth is switched off – please turn it on.”</i>	Switch on Bluetooth on the phone.
<i>“Bluetooth permission missing – please allow it in the app settings.”</i>	In your phone's settings, give the ArgusKAI app permission to use Bluetooth; on Android it is called “Nearby devices”.
<i>“No ArgusKAI found. Is it powered on and in range?”</i>	Check power and distance. If another phone is connected to ArgusKAI, close the app on that phone. More in the User manual, section 15 “Troubleshooting” .
<i>“Connection to ArgusKAI-XXXXXX failed.”</i>	Tap Try again and move closer. If that does not help, switch Bluetooth on the phone off and on again.
<i>“No response from the ArgusKAI – please try again.”</i>	The radio connection is weak or ArgusKAI is busy. Try again.
<i>“Device is busy (update in progress).”</i>	An update is in progress. Wait until ArgusKAI has restarted.
<i>“The ArgusKAI speaks a newer protocol version – please update the app.”</i>	Update the app in the App Store or on Google Play.
<i>“This firmware does not support app-triggered updates yet – install via the web interface.”</i>	The firmware is too old for an update from the app. Update once via the web interface, see User manual, section 10 “Home Wi-Fi and updates” .
<i>“This firmware cannot switch yet – coming with a later firmware update.”</i>	Update the firmware first, see section 13 “Firmware update” .
<i>“Invalid key – 32 hex characters expected.”</i>	Copy the key from the manufacturer's app again: 32 characters, only 0 to 9 and a to f.
<i>“Invalid name (1-32 characters).”</i>	Choose a name with 1 to 32 characters.
<i>“At least 8 characters.”</i>	Choose a longer password.

Message	What to do
<i>“Invalid Wi-Fi details (SSID 1–32 chars, password empty or 8–63).”</i>	Check the Wi-Fi name and password.

Still have questions?

Write to us and we will reply by e-mail. It helps if you include the serial number and firmware version of your ArgusKAI; you will find both in the app under **Settings**.

To the contact form · <https://www.arguskai.com/#kontakt>