

CAMMTool / CAMMFit

Application for remote device control and configuration

User's Guide



Description

CAMMTool and **CAMMFit** applications can be used to control, update and configure the AKOCore and AKOGas series devices which have the CAMM (AKO-58500) module installed, as well as to configure and update the actual CAMM module.

The first application is designed to help installers in the start-up and maintenance of the devices, while the other allows users to monitor their installations.

The functions of each application are featured in the following table:

	CAMMFit	CAMMTool	Teleservice
General insight into the device status	✓	✓	✓
Remote control of the device and keyboard	✓	✓	✓
Display inputs and outputs	✓	✓	✓
Display and change the Set Point	✓	✓	✓
Display the active alarms	✓	✓	✓
Share a connection to receive teleservice (Slave)	✓	✓	✗
Initiate remote connection to offer teleservice (Master)	✗	✓	✗
Display device activity	✓	✓	✓
Save and transfer complete configurations	✗	✓	✓
Display and modify operation parameters	✗	✓	✓
Create offline configurations	✗	✓	✓
Consult device manuals (online)	✗	✓	✗
Display continuous logging charts	✓	✓	✓
Display the events log	✓	✓	✓
Display the operation trends	✓	✓	✓
Display configuration changes	✓	✓	✓
Configure CAMM module parameters	✓	✓	✓
Update CAMM module firmware	✓	✓	✓
Update device firmware	✗	✓	✗
Export device data to Excel (continuous logging, events and audit logs)	✓	✓	✓ *
Export CAMM module data to Excel (events and audit logs)	✓	✓	✓

Links to applications



AKO CAMMFit
For users

Download on the
App Store



DISPONIBLE EN
Google Play



AKO CAMMTool
For installers

Download on the
App Store



DISPONIBLE EN
Google Play



*Only events and audit logs can be exported

Access and authentication

Enter the access data
saved in the log...

...and press "Enter".

Registration is required
to use the application.

If you check this box,
the application will not ask
you to enter access data again

11:57 94 %

AKO

e-mail

Password

☒ Do not close session

Go in

Do you forget your password?

Register

11:57 94 %

X

Fill out the following fields to create a new user of AKO CAMM Tool.
You will receive an e-mail with a verification code to activate your user.

AKO

e-mail

Confirm your email

Password

Confirm your password

Name and Surname

Company

Telephone

☐ I have read and agree to the [user license, terms and conditions](#)

New Account

The e-mail must be valid
to receive the
activation code

Please check the box
indicating your acceptance
of the user licence

Fill in the fields and press
"Create account"

List of active devices detected (Bluetooth search)

Open
the application menu



Restart the search

Restart Bluetooth
communication (Android only)

Access
device information, the app
requests the Bluetooth link
code (by default 123456).

Green icon:
Device was identified
(Installation and name)

Grey icon:
The device
was never accessed

Options

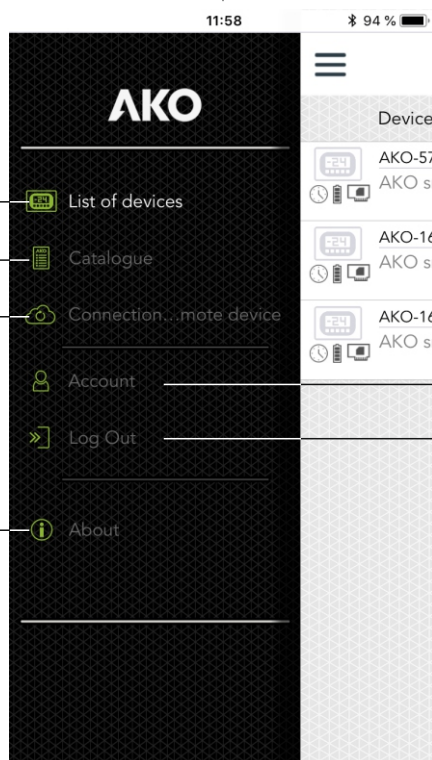
Show the available
devices

Show the
compatible devices, access
their manuals and saved
configurations

Initiate remote
connection for teleservice
(p. 11)

Show information
about the application

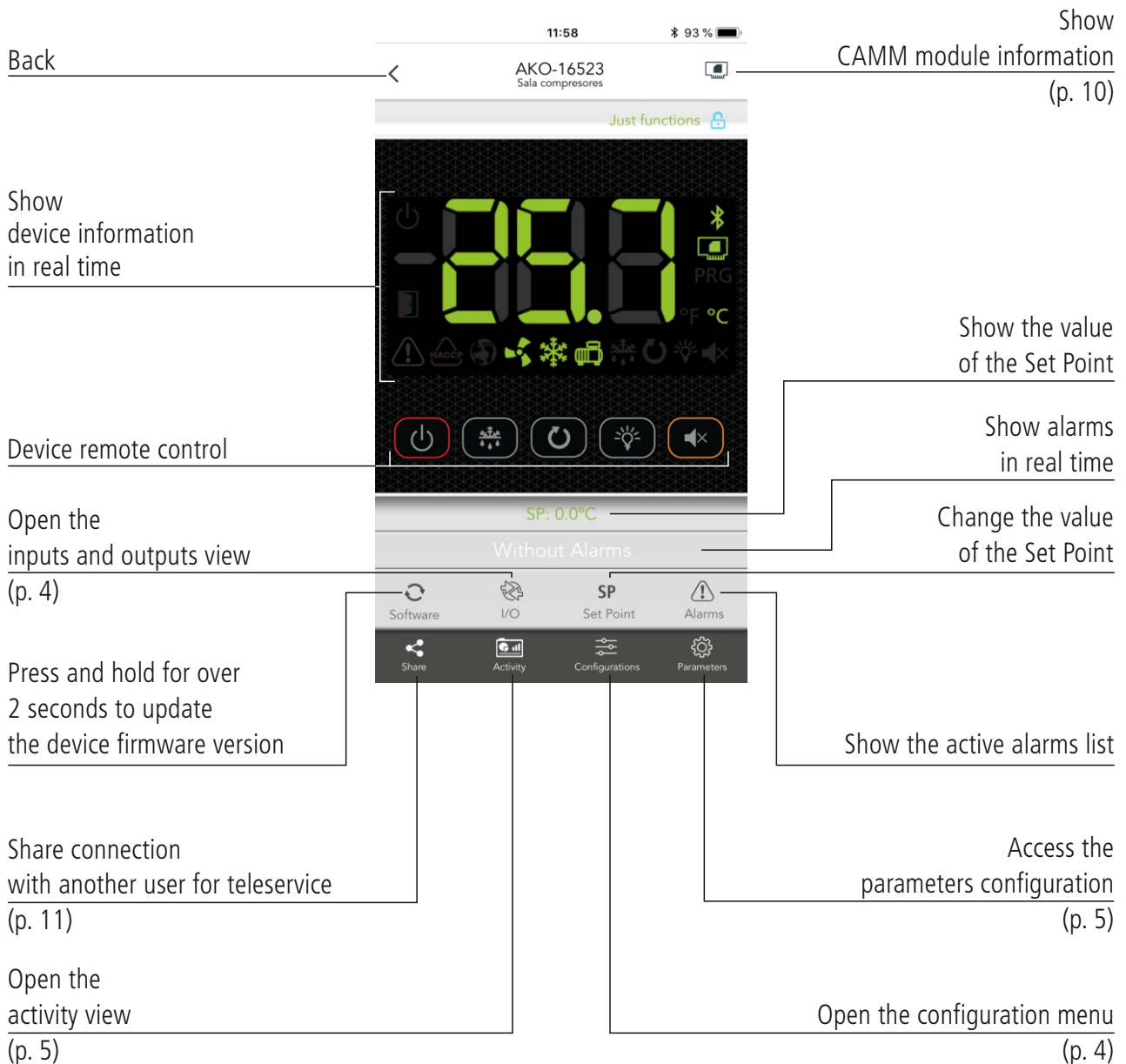
Android only:
Activate the Pairing int. function
which allows the user to perform
pairing with the device without
quitting the App



Shows
account information

Close the session, the user
name and password
will be asked again

General device view





Status of inputs and outputs

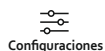
Terminals assigned
to the input

Input value

AKO-16523 S/N: 17280880560006			
Wiring	Value	Type	Polarity
	6 / 9600 bps	MODBUS RS485	-
	25.7	Control Temperature	-
	26.8	Evaporator Temperature	-
	OFF	Low pressure switch	Activates on closing contact
	-	Deactivated	-
	-	-	-

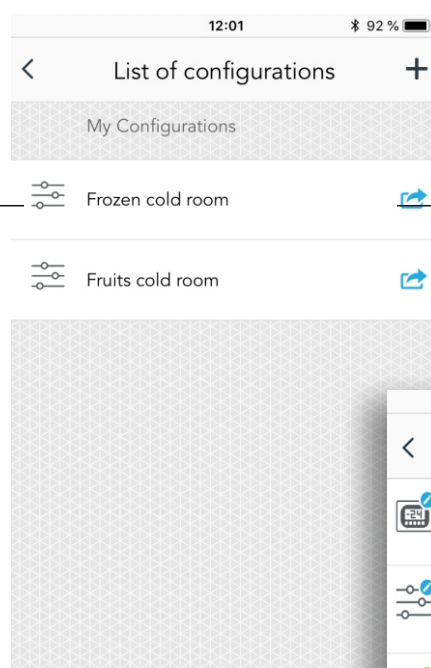
Input
configuration

Type of input
and real time status



List of saved configurations

Display or edit
a saved configuration



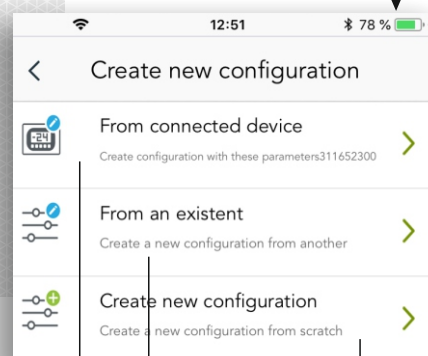
Add a new
configuration

Send the configuration
to current device
or via e-mail

Create a new configuration
from the current
device configuration

Create a new configuration
from a previously saved configuration

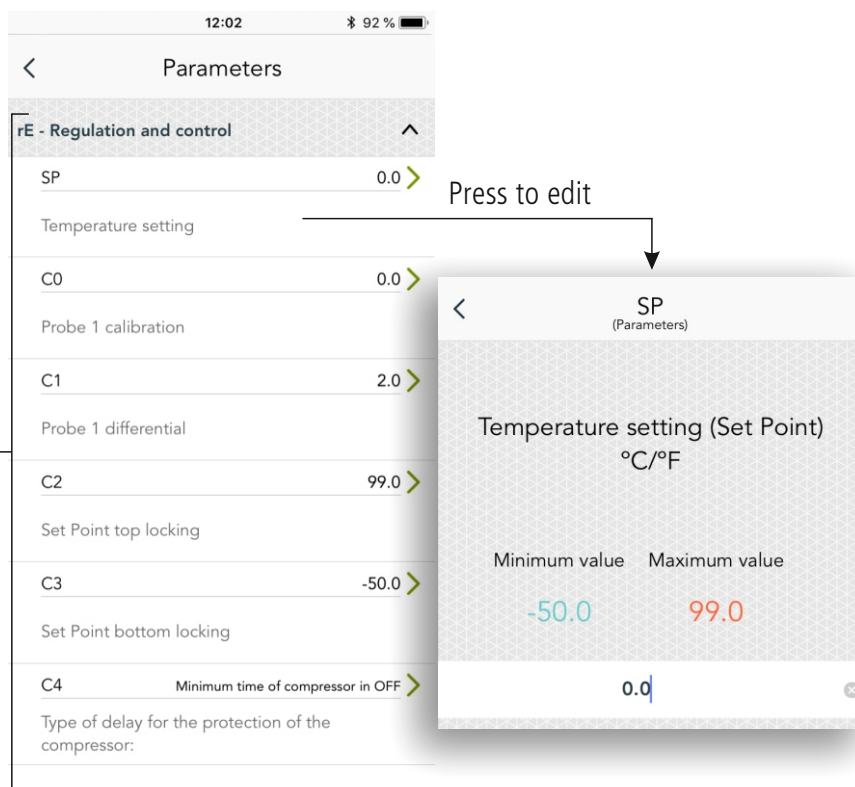
Create a new configuration
from scratch with the help of the wizard





Parameter configuration

Display and edit the parameters of the current device

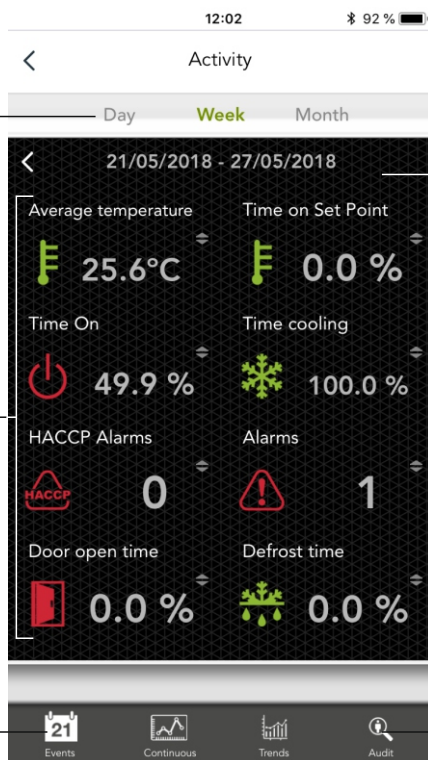


Operation summary

Change the selected period

Show the most important operation average readings of the equipment for the selected period

Slide right or left to change the shown period



Show the events log
(p. 6)

Show continuous logging charts
(p. 7)

Show the audit log (Changes in the device configuration)
(p. 9)

Show operation trends
(p. 8)

21 Events log

Eventos

List of logged events,
press to see details



Rotate the screen 90°
to show more information

12:05 90 %

< Events 21

Start: 18/05/2018 End: 24/05/2018

Date	Time	Code	Action
24/05/2018	12:05	AH	Activate
24/05/2018	11:58	RC	Activate
23/05/2018	10:28	RC	Deactivate
23/05/2018	10:14	RC	Activate
23/05/2018	10:03	RC	Deactivate
23/05/2018	10:03	RC	Activate
23/05/2018	09:56	RC	Deactivate
23/05/2018	09:51	AH	Deactivate
23/05/2018	09:50	BLE	Activate
23/05/2018	09:50	RC	Activate
23/05/2018	09:42	RC	Activate
22/05/2018	08:27	BLE	Activate

Press to change
the shown period

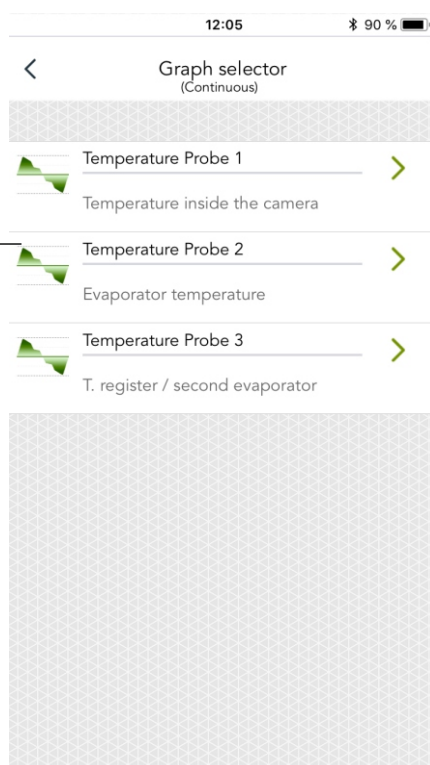
Maximum alarm in Probe 1

Close



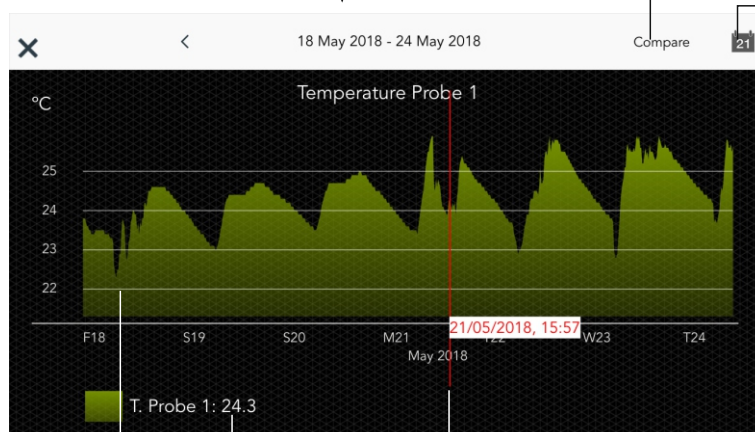
Continuous logging charts (Probes)

Select an option
to see details



Compare the charts
of other probes

Change the period
of the chart

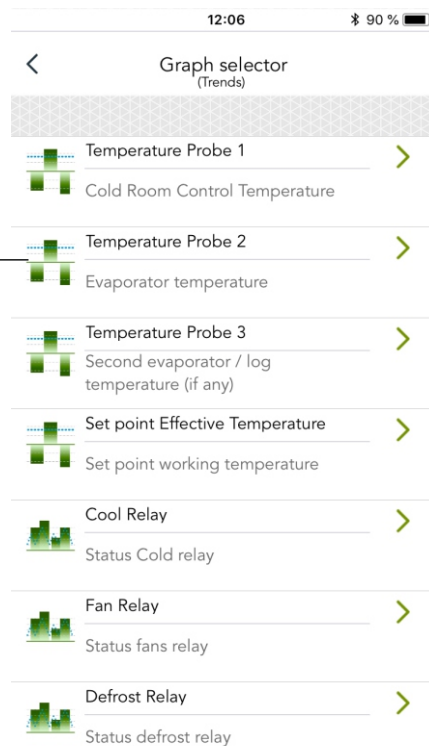


Pinch on the chart
to increase or shorten
the shown period

Press a point on the chart
to show its details
(Date and logged value)

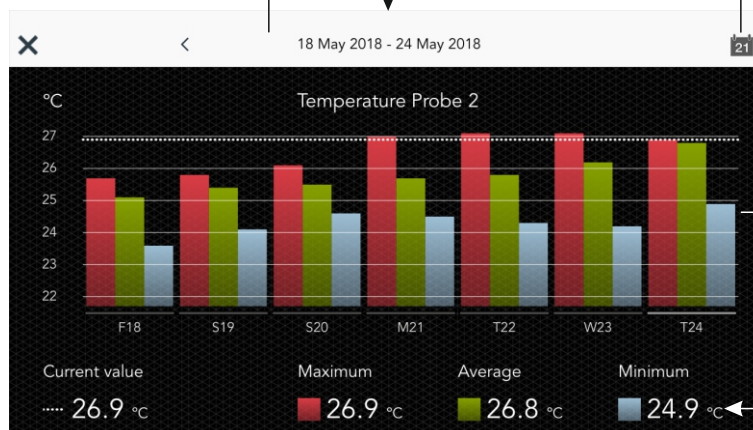
 Operation trends

Select an option
to see details



Slide right or left to change
the shown period

Change the period
of the chart



Press to see
the data of the day

Auditoria Logging of configuration changes

List of configuration changes, press to see more details



Rotate the screen 90° to show more information

12:07 89 %					
< Audit 21					
Start: 18/05/2018			End: 24/05/2018		
Date	Time	User	PO...	I.V.	F.V.
07/09/2017	16:01	2	D0	6	0
07/09/2017	13:59	2	A5	42	0
07/09/2017	13:59	2	A5	0	42
07/09/2017	13:46	2	A5	30	0
07/09/2017	13:45	2	A2	-1.0	-10.0
07/09/2017	13:45	2	A2	-50.0	-1.0
07/09/2017	13:44	2	A1	99.0	30.0

Change the listed period

Parameter modified

Initial value

Final value

Audit detail
 User: AKONet (modbus)
 Description: Alarm for maximum in probe 1
 Accept

Change origin:

User	Origin
1	Device
2	RS485 (AKONet)
3	App
4	Selfdrive

CAMM module information

Show the serial number of the device in which the module is installed and access the operation overview (p. 5)

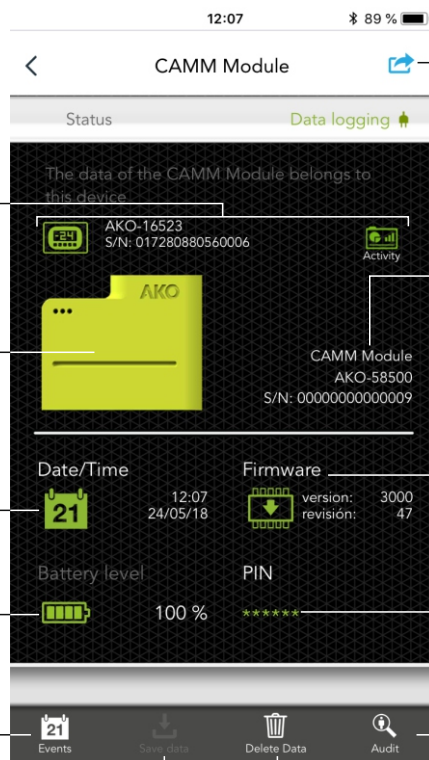
Access configuration parameters of the CAMM module

Change the date and time

Show the battery status

Show the events log (p. 6)

Function not enabled



Export the logged data of the device or CAMM module to a .csv file

Show CAMM module information

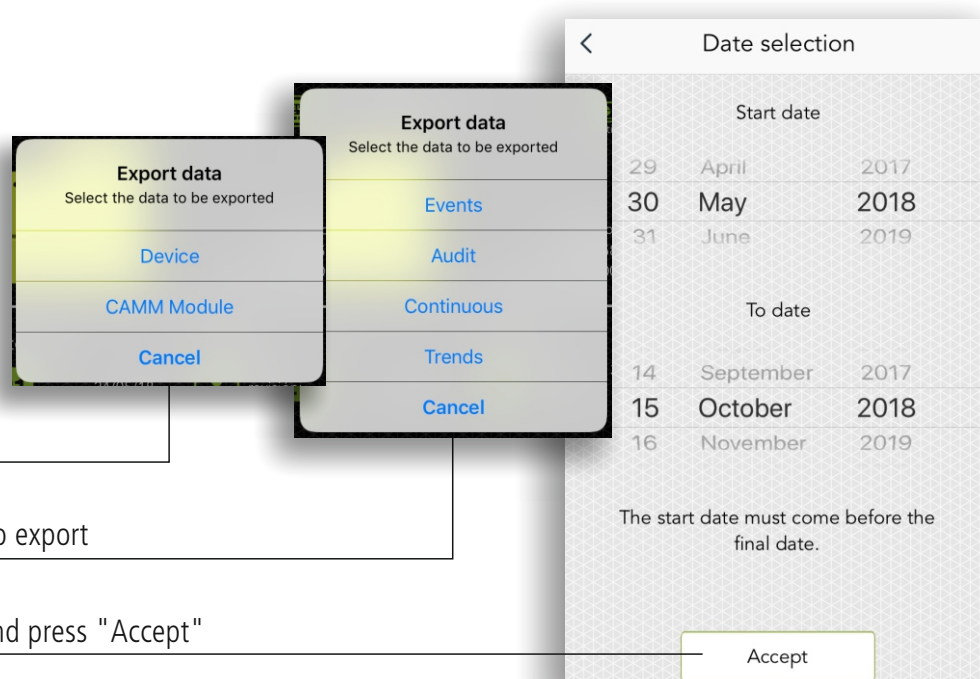
Check if there are firmware updates available for the CAMM module

Change the PIN of the Bluetooth connection*

Show the audit log (Changes in the configuration of the CAMM module)

Delete the data saved in the CAMM module

Export to a .csv file



Select the data origin

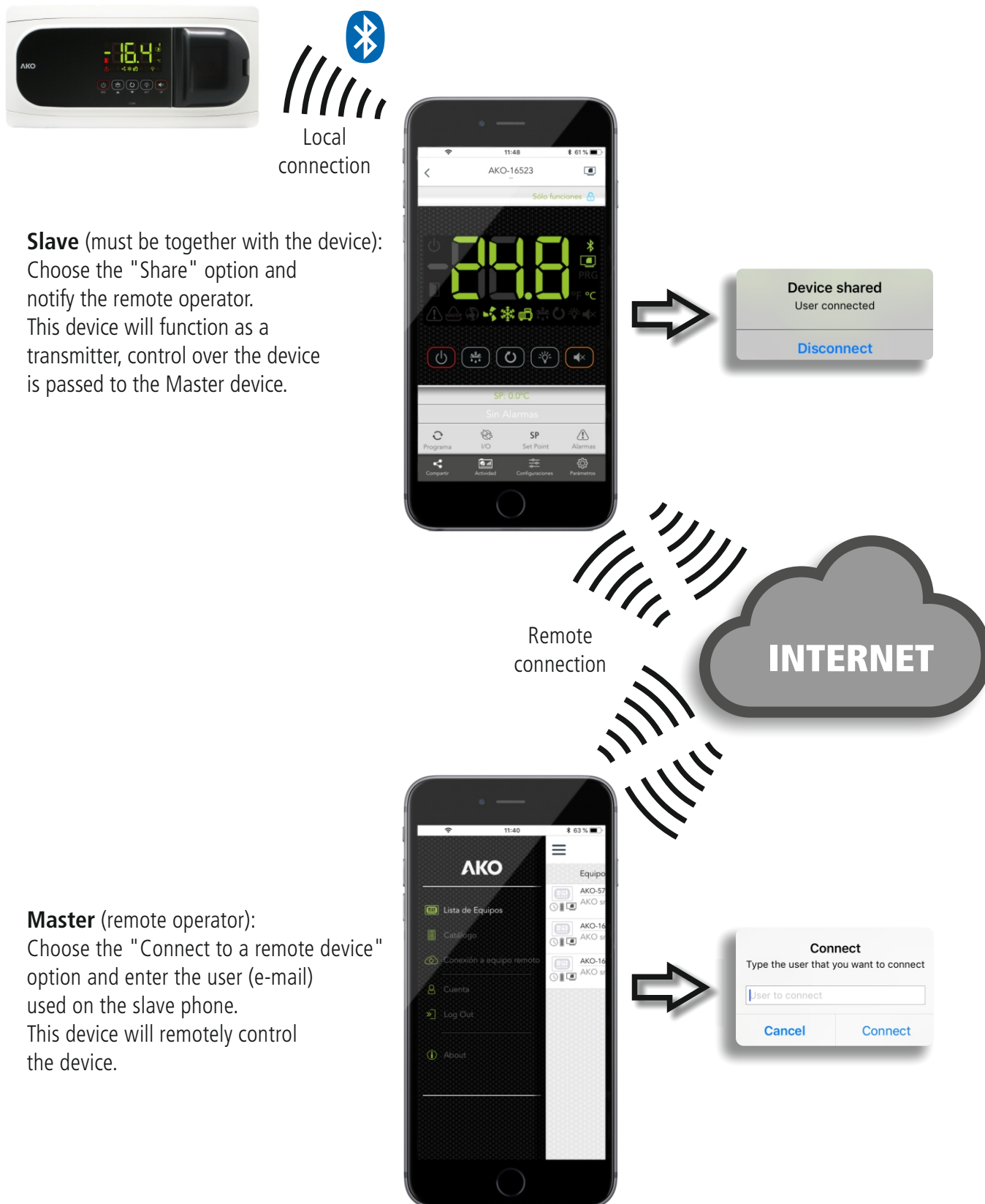
Select the type of data to export

Select the time period and press "Accept"

*It is necessary to delete the Bluetooth connection and create a new connection

Teleservice

Enables the remote control and configuration of any device with the CAMM module installed.



Upon establishing connection, the master device will have control over the remote device. On the master device, the upper part of the screen changes colour to red indicating that it is connected to a remote device. Controlling the remote device requires fast Internet connection and good coverage, otherwise you may experience delays and the connection may be lost.

