



AK-CC25 Pro BT

Quick guide to access code management



Initial power-up

Power on the controller

The display will first show the software version.

Access code setup prompt

After the power up, the controller prompts you to set an access code.

The display switches between "SEt" and "PS", indicating that the access code must be created before operation can continue.



[View video](#)

Setting the access code

- Press **SET** to configure the access code.
- The controller will start flashing with access code -1 as default. The access code can be set to a value between 000 and 999.
- Use the arrow keys to select the access code, then press **SET** to save it.
During the initial setup, this code will be assigned to all access levels (L1, L2, L3).
- After the access code is saved, the display returns to the normal temperature view on controller display.
- In the AK-CC Connect app the access code that has just been set will be visible for read-out for 1 minute only. After 1 minute it is hidden, and the AK-CC Connect app or Kool prog will show your access code as 1, indicating that an access code is set.
- **Important:** The access code **cannot be viewed later** from any interface. Record it and store it securely.
- To change the access code later, use the **AK-CC Connect app** (on level L3) or **KoolProg** (PC software), and update each access level individually.
- The access codes can also be changed via the display:
 - P88 Access code 1 (L1)
 - o64 Access code 2 (L2)
 - o05 Access code 3 (L3)

Log In (Authentication)

The user will always be prompted for selecting a user level (L1/L2/L3) and the corresponding access code, when performing an action that requires a certain access level - please refer to the example below.

An exception applies to the AK-CC25 Pro without Bluetooth: if the access code for the selected access level is set to 0, login does not require an access code.



User performs a long press on SET to enter parameter menu.



The display indicates that authentication is required by showing "PS" for 2 sec.



With the arrow keys user selects the access level and presses SET.



The user sets the value of the corresponding access code and presses SET.



If the provided access code is correct the action that initiated the authentication is carried out.

Bluetooth Pairing

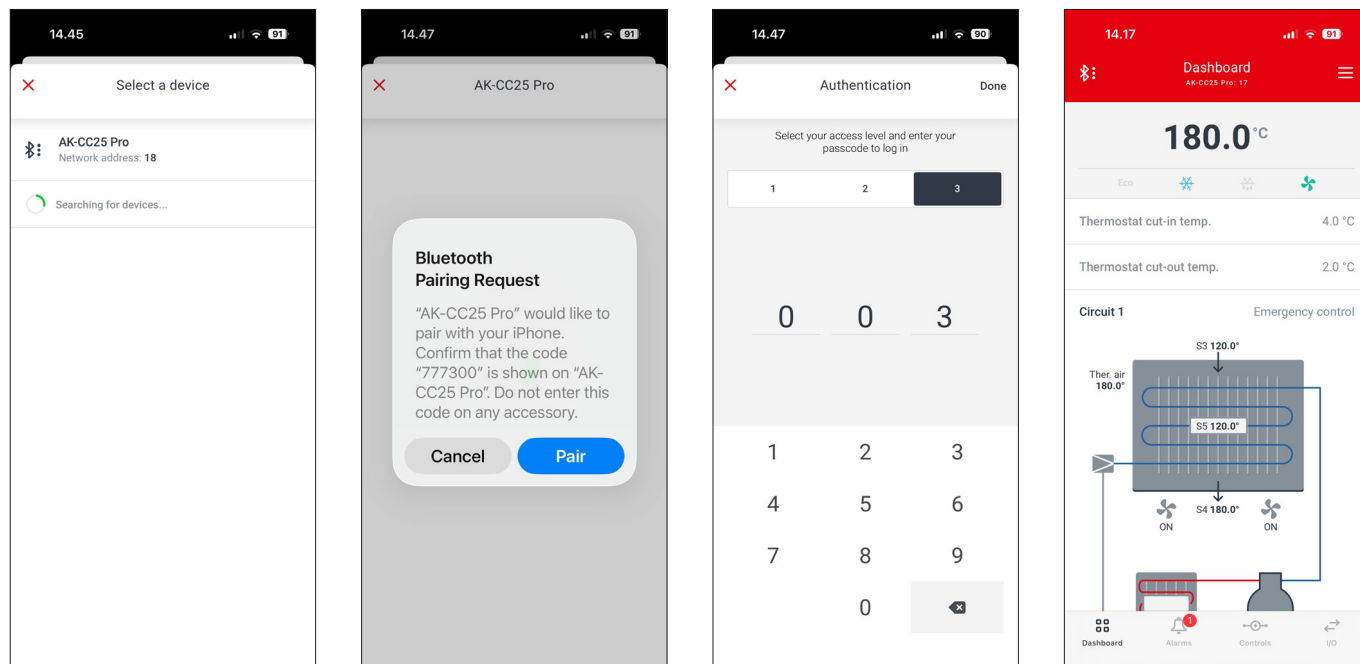
Initiate the Bluetooth connection by a long press on the Bluetooth button.

If an access level is required to initiate Bluetooth broadcasting, user authentication is mandatory (parameter q81 – BLE Access Level). Press and hold the **Bluetooth button** on the controller to start broadcasting. The display will flash between the code "Adr" and the network address of the controller.



[View video](#)

In the **Connect app**, select the controller from the list of available devices and confirm pairing by following the steps below.



Select the controller from the list.

Verify that the code shown on the display matches the code shown in the App
On controller, press SET button if it matches and press back button if not. In App, press pair if OK and cancel if not.

Select the access level, enter the corresponding access code, and press done.

If access code is correct, then the connection is established, and the dashboard is shown. If the access code is incorrect, the Bluetooth connection is disconnected.

This pairing pin is not an access code, it is a Bluetooth- and RED-compliant (Radio Equipment Directive) security measure designed to prevent man-in-the-middle attacks.

Note for iPhone users:

When using the AK-CC25 Pro BT with an iPhone, it is important to note that switching between app windows during a Bluetooth session will cause the connection to be terminated. If this occurs, you will need to repeat the Bluetooth pairing process to restore your connection. This behaviour is a result of the standard configuration implemented by Apple and is beyond our control.

Changing the access code via AK-CC Connect App

Go to Parameter menu → Miscellaneous → Access codes and you can override access codes.

Resetting a forgotten access code

- **Resetting the access code via KoolProg:** When the controller is connected through KoolKey, you can use KoolProg → Online Service → Access Codes to override access codes.
- **Resetting access code via System Manager, AK-SM 800A.**

To access the Miscellaneous settings for the case controller, follow these steps:

1. Open the System Manager.
2. Navigate to the Equipment list and select the case controller.
3. Go to Settings.
4. Within the Parameter Group, choose Miscellaneous.
(L1 P88 Access code 1, L2 o64 Access code 2, L3 o05 Access code 3)

- **Resetting access code via OEM factory reset is not possible. OEM factory reset will not overwrite the access code.**

Note: The displayed value (e.g., "1") does not represent the actual access code; it is only a placeholder. You may enter a new access code or set the value to -1. If set to -1, the controller will prompt you to create a new access code at the next reboot.

- **Resetting controller to Danfoss factory state:** If required, the controller can be reset to Danfoss factory settings.

Warning: This action restores all parameters, including access codes, to their factory default values and permanently deletes the alarm history, event log, and data history log.

Danfoss factory reset:

1. Power cycle the controller.
2. Within one minute of startup and while the controller is in Direct Action mode, press and hold the **Star** and **Arrow Up** keys simultaneously for 5 seconds.
3. The display will show "dFr", indicating that a Danfoss factory reset has been initiated.
4. When prompted to select "Yes" or "No", choose "Yes" to confirm the reset.



Power cycle controller and press "Star" key and "Arrow up" key for 5 seconds.



Display will show transition text to confirm operation.



Display will show "no"



Select "Yes" and confirm with "SET" button

5. The controller will reboot in Danfoss factory state and prompt the user to set new access code.

Lock/Unlock of display buttons

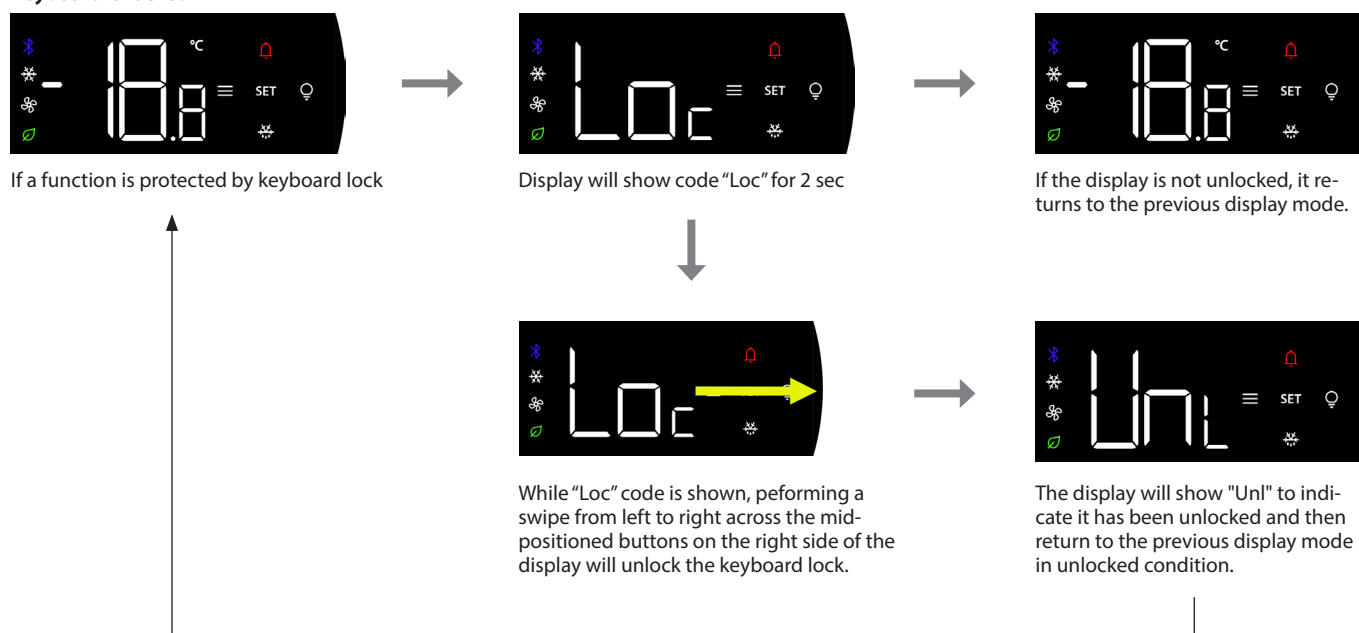
The operation of the display buttons can be locked locally or via network to prevent walk up users from interacting with the display. If a user presses a button while the keyboard is in locked mode, the display will indicate that it is locked by showing the code "Loc" in the display.

If the buttons are locked locally, the user can unlock the buttons by "swiping" from left to right on the mid-positioned buttons, please refer to example below. If the buttons are locked via network, the interface will need to be unlocked via System manager (Bluetooth lock).



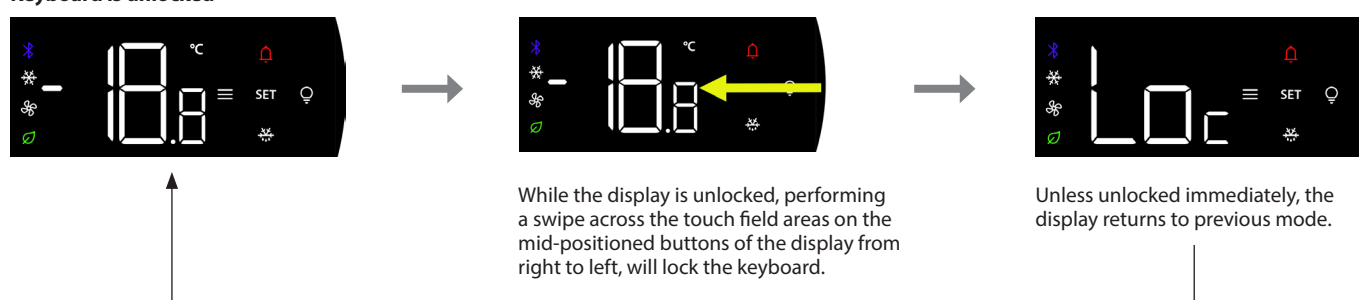
[View video](#)

Keyboard is locked



User can lock the buttons again manually by "swiping" from right to left on the mid-positioned buttons.

Keyboard is unlocked



Session logout

An active session will be indicated by the left arrow icon "<" on the controller. The authorization session will be terminated after 30 minutes of inactivity on the display buttons.

For more information, see the [User Guide](#), Section Display operation and related settings.

Danfoss A/S

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