

1 About the Internet access module

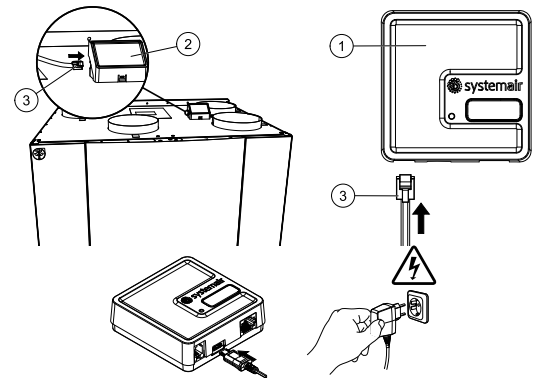
Internet access module (IAM) is a device that allows to connect to the unit and control it via a mobile application or directly from the computer. Fully automatic software updates from the Cloud server. The IAM has an interface which can be accessed through the internet browser. Possibility to use in either Cloud or Local Modbus TCP to RTU mode.

The package contains: Internet access module, power supply cable and adapter (230 V), Modbus cable RJ10, CE/CD-diverting plug, Ethernet cable and 4 adhesive magnets for easy installation.

2 Installation and configuration

Units with external control panel need a CE/CD diverting plug (item number: 37367) since both external control panel and IAM use the same socket in the connection box and on the main circuit board.

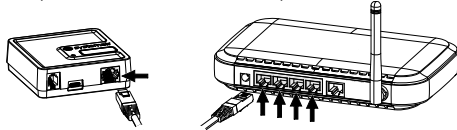
1. Connect the Internet Access Module (pos. 1) to the connection box (pos. 2) or the main circuit board with a modbus cable RJ10 (pos. 3).
If the unit has more than one control panel, disconnect one of the control panels from the connection box or the main circuit board. Then connect the disconnected control panel and internet access module to CE/CD-diverting plug. After that CE/DC-diverting plug should be connected to the connection box or the main circuit board using Modbus cable (RJ10).



2. Connect power to the IAM (micro USB port).
After connection to power supply, green LED on the internet access module will start blinking fast.

2.1 Ethernet cable connection

1. Plug one end of the Ethernet cable to the RJ45 socket on IAM and the other end to any free Ethernet socket on your router.



2. The internet access module will automatically try to establish connection to the router and SAVECair Cloud. When connection is successful, green LED on the internet access module will start blinking slowly.

NOTE: If LED continues to blink fast in green colour, that means there is no connection between the IAM and your router. Check Ethernet cable, make sure it is connected to the correct socket.

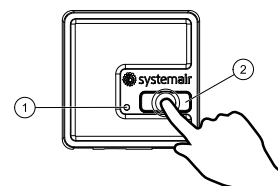
2.2 Wireless connection (using WPS)

1. Start WPS (Wi-Fi Protected Setup) on your wireless router (see your router manual for WPS activation). Make sure your wireless router supports WPS function.

If your router does not support WPS function, see chapter 2.3 *Wi-Fi connection setup using control panel*, page 1 for detailed information how to set up Wi-Fi connection using control panel.



2. Once WPS is activated, press and hold activation button (pos. 2) on the internet access module for 5 seconds until the red LED starts blinking fast then release activation button.



3. When internet access module successfully connects to the router (should not take longer than 1 minute), LED on the internet access module will start blinking slowly in green colour.
If LED continues to blink fast in red colour, it means Wi-Fi connection was not established. Reset IAM to default settings and try again.

4. Once the internet access module is connected to the wireless router, it will automatically establish connection with the SAVECair Cloud (it should not take longer than 1 minute). The LED on the internet access module will continue blinking slowly in green colour.

2.3 Wi-Fi connection setup using control panel

NOTE: This function is not available in control panel with software version 1.00.0000. Connect the IAM to a router for a few minutes using Ethernet cable during first power up of IAM to download the software updates from the server. After the updates are received, connect IAM to the connection box and update the software of control panel (Service -> Unit Backups -> Update software). After that Wi-Fi connection can be configured in the control panel.

1. If your wireless router does not support WPS, Wi-Fi connection should be set up manually. Therefore you need to find Wi-Fi name and add password using control panel.
2. In control panel go to Service -> Communication -> WLAN settings menu.
3. Press Scan for networks button. IAM will search for available Wi-Fi networks (should not take longer than one minute).

4. After search is complete, find the network name to which IAM should connect and select it. Wi-Fi network should be password protected, otherwise IAM can't connect to Wi-Fi network.
5. After required Wi-Fi name selection, password pop-up window appears in control panel screen. Insert your Wi-Fi network password.
6. If password is correct and connection to Wi-Fi network is successful, IAM will establish connection to SAVECair cloud automatically. The LED of IAM will start blinking slowly in green colour.

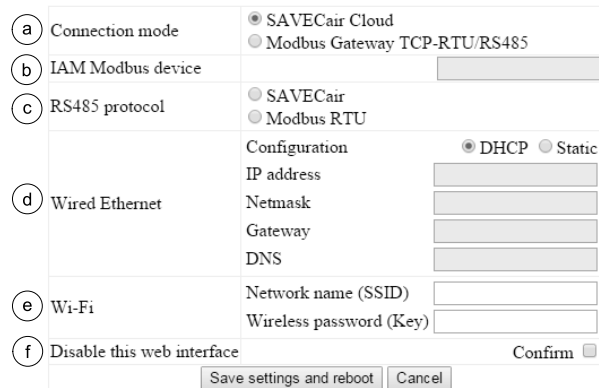
2.4 Resetting to default settings

In case of connection failure, the internet access module have to be reset. Disconnect the power supply cable, press and hold the activation button and while it is pressed, reconnect power supply cable. The red LED will start blinking, wait until it stops blinking (~10 seconds) and then release the activation button. The internet access module is now reset.

3 IAM interface access

The IAM interface can be accessed to configure the IAM to use fixed IP, manually set up WLAN password or switch IAM from Cloud to "Local Modbus TCP to RTU" mode.

1. Plug on end of the Ethernet cable to the RJ45 socket on the IAM and the other end to any free Ethernet socket on your router. Find an IP address of the IAM. Use PC-tool (it is only available for installers) or check the list of connected devices in the router (see your router manual for more information).
 2. Open your internet browser and enter the IP address of your IAM (e.g. <http://172.16.10.50>). The IP address depends on your network and can change. A web interface should open up. Enter the password which can be found on the back label of the internet access module.
3. The IAM SAVECair settings interface will open up.
 - a. Connection mode. Choose between SAVECair Cloud server and LAN Modbus TCP server connection. Default setting is SAVECair Cloud. This setting allows IAM to connect to internet via Cloud server.
 - b. Internet access module Modbus device number. Default number is 2.
 - c. RS485 protocol type. If SAVECair Cloud mode is selected, choose SAVECair protocol. If LAN Modbus TCP server mode is selected, choose Modbus RTU protocol.
 - d. Choose between automatically generated IP and static IP.
 - e. Allow the IAM to connect to the router directly by providing your local Wi-Fi network name and password. This can be used if the router does not support WPS function. The device supports WPA-PSK and WPA2-PSK only.
 - f. You can disable web interface by ticking CONFIRM selection.



4 SAVECair application and Login

Download and install Systemair mobile application on your device. Systemair APP is available for both Android and iOS operating systems.



SAVECair web application do not require installation and can be accessed directly through the website (<https://savecair.systemair.com/>) by using any web browser.

Login

1. Launch the application. In the login screen (pos. 1) enter your unique UNIT ID which can be found on the back label of IAM or on additional label. It is important to add "iam_" before IAM number in the login field.
2. Press LOG IN button (pos. 2).
3. When you connect to your IAM for the first time, you must set your own unique password. In the next screen enter your new password and press CHANGE PASSWORD (pos. 3).
4. Confirm change by pressing IAM activation button for 2-3 seconds.
5. You should be able to login with your new password.

