



inVENTer

Quick Guide: Initial Setup

Basic Connect e4/e8



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1 System overview

The inVENTer Connect controller platform is an innovative control system for decentralised inVENTer iV ventilation devices with heat recovery. It allows all devices in a system to be integrated into an 868 MHz wireless network and controlled and programmed wirelessly. Depending on structural and individual requirements, the platform can be set up with the following components:

The controller is the central hub for the inVENTer Connect wireless network. Two versions are available:

- **Basic Connect e4/e8 for up to 8 devices¹**
- **Easy Connect e16 for up to 16 devices²**

The wireless control unit has an info display and can be used for quick access. The Easy Connect e16 controller also supports control of the system using the “inVENTer Mobile” app (Bluetooth interface, BLE).

The **Connect/Connect Twin+/Connect Office/MaxAir inner panels** replace the standard inner panels for the iV-Smart+, iV14-Zero, iV-Compact, iV-Light, iV-Twin+, iV-MaxAir and iV-Office ventilation devices to enable integration into the wireless network. In addition to the wireless interface, the inner panels have local control electronics, a power supply unit, and automatic closure flaps.

The **CS2-Connect CO₂ sensor** is an optional wireless sensor for monitoring carbon dioxide, temperature, and humidity within a ventilation zone, allowing ventilation to be adjusted as needed.



¹ e4: max. 4 devices + 2 sensors, e8: max. 8 devices + 2 sensors

² Max. 16 devices, including sensors

The **FTS19-Connect indoor humidity/temperature sensor** is a wireless sensor for monitoring temperature and humidity within a ventilation zone, allowing ventilation to be adjusted as needed.



The **FTS19-Connect outdoor humidity/temperature sensor** (optional) is an outdoor wireless sensor for communicating ambient temperature to the system.



The **SK19-Connect switching contact** (optional) is a wireless interface for integrating safety devices when the ventilation system is operated at the same time as fireplaces.



“inVENTer Mobile”: The free app from inVENTer for Android™ and iOS

The system can also be controlled and programmed with the app (available only when an Easy Connect e16 controller is used).

The app allows detailed system setup and provides access to the full range of functionality.

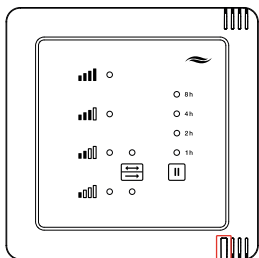


2 Installation



Install the delivered components according to the instructions included:







- **Basic Connect e4/e8** 5040-0069
- **Easy Connect e16** 5040-0032
- **Connect inner panel** 5040-0030
- **Connect Twin+ inner panel** 5022-0007
- **Connect Office/MaxAir inner panel** 5022-0007
- **CS2-Connect CO₂ sensor** 5040-0034
- **FTS19-Connect indoor humidity/temperature sensor** 5040-0033
- **FTS19-Connect outdoor humidity/temperature sensor** 5040-0033
- **SK19-Connect switching contact** 5040-0039

3 Operating and display elements



Display LED

-  Continuous illumination
-  Flashing

	green/ blue	Searching for wireless channel
	white	Coupling mode active
	pink	Confirm filter change
	blue	Function not assigned
	red	Reset to factory settings
	red	SK19 sensor triggered

Ventilation levels:





Boost	100%	Air Volume Flow
4	75%	
3	50%	
2	35%	
1	25%	



Mode:

Switch between heat recovery (orange LED) and ventilation (blue LED)

Flashing LED = time to change the filter

-  8h
-  4h
-  2h
-  1h



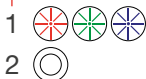
Pause:

Pause ventilation (1, 2, 4, or 8 hours)



The display switches off automatically after 30 seconds of inactivity. To switch on the display, press any button.

4 Performing initial setup



Step 1: Establish power supply:

Connect all devices in the system according to the instructions provided

- ▶ The controller performs firmware and software tests for the system. During this process, the LED flashes RED, GREEN, and BLUE (1).
- ▶ If the test is successful, the LED lights up WHITE (2).
- ▶ The controller switches to automatic channel search.




If the firmware/hardware test returns an error, the LED flashes red continuously. If that happens, contact your dealer or iNVENTer customer service.



Step 2: Automatic channel search

After the firmware/hardware test is complete, the controller starts searching for a channel automatically

- ▶ The controller searches for a channel. During this process, the LED flashes GREEN and BLUE (1).
- ▶ If the test is successful, the LED lights up WHITE (2).
- ▶ The controller switches to the standard ventilation mode (ventilation level  and "ventilation" mode).
- ▶ The controller switches to the wireless channel setting.
- ▶ Initial setup is complete.

5 Coupling devices

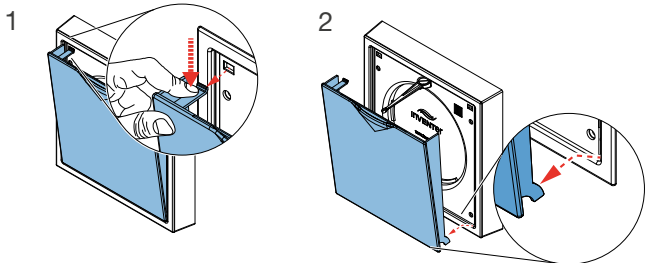
A variety of system components can be coupled to the Basic Connect controller:

- Basic Connect e4: up to 4 ventilation devices + 2 sensors¹
- Basic Connect e8: up to 8 ventilation devices + 2 sensors¹

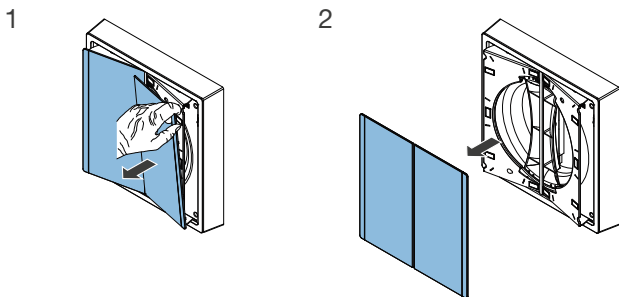
Before coupling:

Remove inner panel covers from ventilation devices

a) Connect the inner panels



b) Connect Twin+/Office/MaxAir inner panels



¹ Including switching contacts



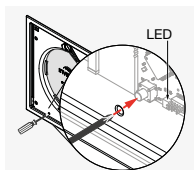
Step 1: Activate coupling mode on the controller

Press the mode button  for 3 sec. until the display LED lights up and flashes white

► Coupling mode is activated.



Coupling mode is active while the display LED flashes white (for about 5 minutes). If this is not enough time to couple all the components, coupling mode must be activated again on the controller.



Step 2: Couple devices

Press the coupling button on the device being coupled until the LED lights up turquoise

Connect inner panel:

Button in housing (press with a small screwdriver)

FTS19-Connect indoor: Button on underside of housing

CS2-Connect | SK19-Connect:

Button on the front bottom right of housing.



► The device is ready to be coupled.



Press the coupling button on the device being coupled for about 3 sec. until the LED lights up green



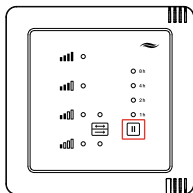
- The coupling process starts. During coupling, the LED flashes green.
- When coupling is completed, the LED lights up continuously green.
- On the controller, the number of coupled devices is displayed by the Pause LEDs (example: $\circ 1h + \circ 2h + \circ 4h = 7$ coupled devices/sensors).




Step 3: Complete coupling

Press the mode button  until the display LED lights up white

▶ Coupling mode is terminated.



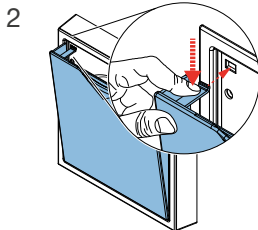
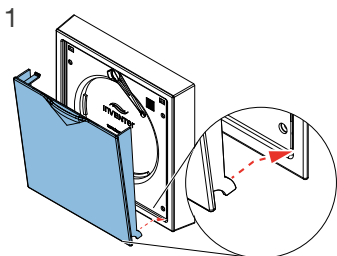
After coupling:

Press the Pause button  for 5 sec. until the Pause LEDs flash once

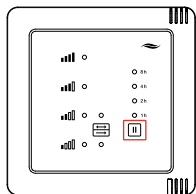
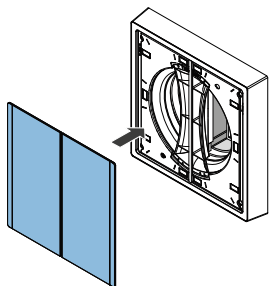
- ▶ The system switches off completely.
- ▶ The closure arms for the closure flaps move into the installation position.


Mount the inner panel covers

a) Connect the inner panels



b) Connect the Twin+ /Office/MaxAir inner panels



Press the Pause button  again for 5 sec.
until the Pause LEDs go out

- ▶ The system switches on.
- ▶ The mode last selected is activated.



For information about operation, see the Quick Guide: User Manual for Basic Connect e4/e8 (5022-0016).

6 Guarantee and service

inVENTer GmbH grants a 5-year guarantee on all electronic components. This covers premature product wear.

In the event of a warranty or guarantee claim, contact the dealer or factory representative responsible for you.

For technical advice, contact our technical service staff.



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Sie sich die Originalanleitung gut durch und beachten Sie die Sicherheitshinweise. | **This documentation is only valid in conjunction with the inVENTer ventilation system's original instructions.** Carefully read the original documenta-

tion before beginning your work and observe all safety and warning instructions. |

Dit document is alleen geldig in combinatie met de originele gebruiksaanwijzing van de inVENTer ventilatie-units. Lees de originele instructies

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Version: 1.1 – 06/2024

Item number: 5022-0023



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