

BOSCH heat pumps via K 40 RF gateway - Commissioning

This brief installation instruction provides a quick overview of all the necessary steps. Additional information, references, and sources can be found in our [HelpCenter](#). The Installation instructions are only valid for the integration of the energy management system and the configuration of relevant assets. Make sure to carefully read the [safety instructions](#) and adhere to the [Infrastructural requirements for a gridBox gateway installation](#)

Required:

- a BOSCH gateway
- the latest firmware (**NF47.12**)
- a physical touch device to enable the EEBus interface



This system connects to models listed in the following table.

BOSCH	Buderus	IVT	LPC, MPC	OHPCF*
CS 5800i AW	WLW 176i	AirX 500	x	x
CS 6800i AW	WLW 186i	-	x	x
CS 7001i AW	WLW 196i	AirX 400	x	
CS 7400i AW	WLW 196i +	AirX 400S	x	
CS 3400i AWS	WLW 161i	AirSplit 300	x	
CS 7800 LW	WSW 196i	Geo 600	x	

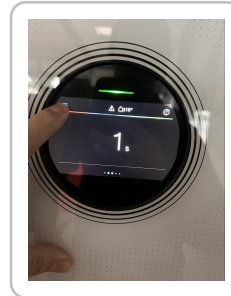
* The OEM implemented LPC signals in a way that LPC signals below 4.2 kW are ignored by the supported heat pump.

Firmwareupdate

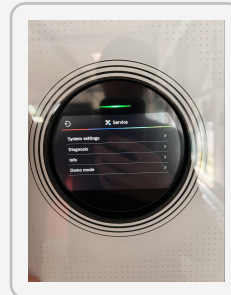
Update the gateway to the latest firmware.

Configuration

1. In the first step click on the menu icon (three horizontal lines) and hold it for the displayed amount of seconds to get to the service view.

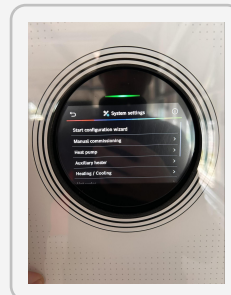


2. Select the submenu **System settings**.

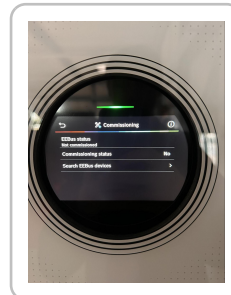


3. Scroll through the **System settings** menu and familiarize yourself with the individual submenus.

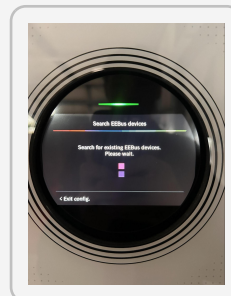
4. Select **Manual commissioning**.



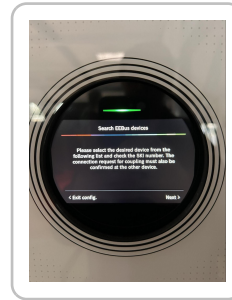
5. Check if EEBus is already commissioned and if not, click **Search EEBus devices**.



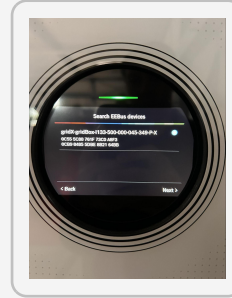
6. Wait for the scanning process to finish.



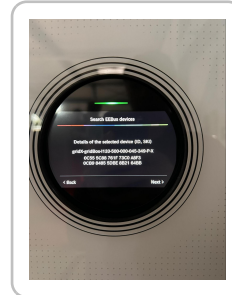
7. Click on **Next** in order to select the desired device to be connected.



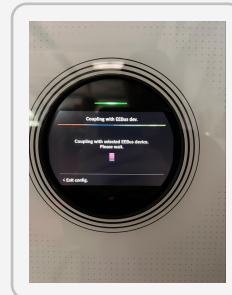
8. Select the gridBox and click on **Next**.



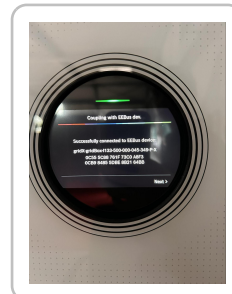
9. Check the details of the selected device and click on **Next** if this matches your information.



10. Wait for the coupling process to finish.



11. Check whether the connection was successful and finish activating the EEBus interface.



Add heat pump in the commissioning wizard

After activation, the gridBox commissioning can proceed as normal. When the heat pump is ready, it appears in the Unknown devices section with the **Pair** button next to its name.

Figure 1. Pair button in the commissioning wizard

- To initiate pairing, click the **Pair** button. The button then changes to show the **Cancel** option.
- The pairing is successful when the button changes to **Decouple** and the device name appears under "Heat pump".

Depending on how the heat pump is connected, there are two options. Firstly, **Consumption meter** (if it is connected directly to the household meter) or **Additional meter** (if the heat pump meter is located somewhere else than the household meter).

Figure 2. System setup step in commissioning wizard

Recommended settings by OEM

For more sophisticated functionalities such as controlling the heat pump using the EMS, following settings are recommended.

Activate / select the hot water operating mode 'Eco' or 'Eco+'

1. Get to the service menu.
2. Go to **System settings > Hot water > Temperatures**.
3. Select one of the mentioned operation modes.

Set maximum temperature for the energy management system

1. Get to the service menu.
2. Go to **System settings > EEBus > PV own consumption optimization > Stop temperature hot water**.
3. Set this value as low as possible, for example, 60 °C.