ConnectedCooking
Combi-Duo

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1   Combi-Duo in use with ConnectedCooking

The Combi-Duo setup is displayed as two cooking systems in Connected-Cooking if both are registered in ConnectedCooking. The advantages and use remain the same, but the two cooking systems must be controlled separately via ConnectedCooking.

ConnectedCooking does not show which cooking system is controlling and which cooking system is controlled or that they are being used as a Combi-Duo cooking system. This distinction is recommended as a note in the freely selectable cooking system name.

The following options are available after successfully registering the cooking system in ConnectedCooking:

	iCombi Pro	iCombi Classic
HACCP data	●	●
Cooking programs	●	●
Software updates	●	–
Push notifications	●	●
Service data	●	●
Remote access	●	–
MyDisplay	●	–

● Standard − Not compatible

Note:
The following chapters refer to the iCombi Pro. Only the iCombi Pro and not the iCombi Classic are available for the Combi-Duo function.

2 Combined cooking systems without ConnectedCooking and Internet

The prerequisite is that both cooking systems are directly connected to each other via an RJ45 network cable (commercially available LAN cable).

- The last digit of the IP address must be different for each cooking system. For example,
    - Top cooking system: 10.13.36.6
    - Bottom cooking system: 10.13.36.5
- IP gateway and subnet mask address are the same for both cooking systems. For example,
    - IP gateway: 10.13.36.7
    - IP subnet mask: 255.255.254.0

Make changes to the Combi-Duo option fields (network settings):

Step	Info/Button	Description
1		Open the Settings menu on your cooking system.
2		Select the Network Settings button.
3	IP	Select LAN if the cooking system is connected via Ethernet cable.
4	IP DHCP	Selection of DHCP inactive: OFF (Network does not support DHCP), the following network settings can be edited: - IP network (IP address) - IP gateway - IP subnet mask - DNS 1

The IP addresses should be assigned manually so that the cooking systems can always be found under a fixed IP address (such as a home address). If DHCP is not deactivated, there is a risk that the cooking systems will change their IP address at a certain rate.

With the Combi-Duo stacked, you can connect the two cooking systems. To activate the Combi-Duo function on the cooking system, the top cooking system must be set as follows:

Step	Info/Button	Description
1		Open the Settings menu on your cooking system.
2		Select the Cooking system button.
3	IP	Select the remote control. Make the following settings:

		- Assign a freely selectable cooking system name.
		- Select the cooking system color.
		- Activate the remote control with ON.
		- Enter the IP address of the bottom cooking system to be controlled remotely. To enter the IP address, the remote control must be activated.
4		The icon for controlling the other cooking system now appears at the bottom left. If you use this function, a blue frame will appear around the screen on the cooking system to be controlled.

3   Combined cooking systems with ConnectedCooking and Wi-Fi connection

If you are using a Combi-Duo kit, you must remove this kit to disconnect the LAN cable from the top unit. To use ConnectedCooking on a Combi-Duo, both cooking systems must be connected to the same network via Wi-Fi.

The ConnectedCooking and Combi-Duo function can only be used with the Wi-Fi connection type.

You can find the IP address of the RATIONAL cooking system as follows; this is required to activate the Combi-Duo function:

Step	Info/But-ton	Description
1		Open the Settings menu on your cooking system.
2		Select the Network Settings button.
3	IP	Select LAN if the cooking system is connected via Ethernet cable. Once you have connected your cooking system via Wi-Fi, select Wi-Fi.
4	IP	Option 1. LAN connection: The IP address can be found under IP network.
		Option 2. Wi-Fi connection: Expand the drop-down arrow of the Wi-Fi used. The IP address can be found here.

Activate the Combi-Duo function on the cooking system:

Step	Info/But-ton	Description
1		Open the Settings menu on your cooking system.
2		Select the Cooking system button.
3	IP	Select the remote control. Make the following settings: - Assign a freely selectable cooking system name. - Select the cooking system color. - Activate the remote control with ON. - Enter the IP address of the bottom cooking system to be controlled remotely. To enter the IP address, the remote control must be activated.
4		The icon for controlling the other cooking system now appears at the bottom left. If you use this function, a blue frame will appear around the screen on the cooking system to be controlled.

4   ConnectedCooking support

ConnectedCooking support contact information and detailed documentation are available under the Support menu item in ConnectedCooking.

5   ConnectedCooking network requirements

Requirements for successfully adding the RATIONAL cooking system to your network:

- The cooking system is equipped with an Ethernet connection or
- The cooking system has an internal Wi-Fi interface (e.g. iCombi Pro, iVario Pro or the additional Wi-Fi option for the iCombi Classic cooking system) or
- The Wi-Fi adapter accessory (RATIONAL 60.76.714) is installed. The wireless adapter is available for the following cooking systems: SelfCookingCenter®: 6-half size - 20-full size, LM1: iCombi Pro (iCP) 6-half size - 20-full size, LM2: iCombi Classic (iCC) 6-half size - 20-full size.
- The cooking system displays the current date and time.
- The current software version is installed on the cooking system, see Table 2.

To connect the cooking system to the Internet:
- LAN: Network connection box with cable near the cooking system. It may be necessary to retrofit older models with an Ethernet connection.
- Wi-Fi (802.11b/g/n 2.4 GHz, WPA2): Good reception at the installation site via internal or external Wi-Fi interface.

To network the cooking system, proceed as follows:
- LAN: An RJ45 cable connects the RATIONAL cooking system to a nearby network port
- Wi-Fi: A built-in or external Wi-Fi interface (e.g. Article no. 60.76.714) that connects to a Wi-Fi 802.11b/g/n (2.4 GHz) access point.
- All network components must be installed protected from splashing and spraying water in accordance with the ambient conditions.

Accessing the ConnectedCooking application

To access ConnectedCooking, all you will need is an Internet browser (e.g., the most recent versions of Chrome, Firefox, or MS Edge) and access to *connectedcooking.com via port 443. ConnectedCooking does not install any programs on your computer.

All options require the following network settings:
- If using DHCP, the IP address, netmask, gateway, and DNS server are assigned.
- Without DHCP, the network administrator is responsible for these settings.

Cooking system	Target	Protocol	Port	Direction	Description
SelfCookingCenter, VarioCookingCenter iCombi Pro, iVario Pro	*.connected-cooking.com	TCP	443	Outbound	HACCP data; device data if proxy server
SelfCookingCenter, VarioCookingCenter iCombi Pro, iVario Pro	*.connected-cooking.com	TCP	8883	Outbound	Device data
SelfCookingCenter, VarioCookingCenter iCombi Pro, iVario Pro	Customer DNS server	TCP/UDP	53	Outbound	DNS service
SelfCookingCenter, VarioCookingCenter iCombi Pro, iVario Pro	Customer DHCP server	UDP	68	Broadcast	DHCP service
iCombiClassic	*.connected-cooking.com	TCP	8443	Outbound	HACCP data; device data, if a proxy server
iCombiClassic	*.connected-cooking.com	TCP	8884	Outbound	Device data
iCombiClassic	Customer DNS server	TCP/UDP	53	Outbound	DNS service

Tab. 1: Communication ports

Cooking system	Min. required version	Availability
SelfCookingCenter	SCC_07-00-10-6.34 or higher	June 2022
VarioCookingCenter	VCC-01-02-04.7 or higher	June 2022
iCombi Pro	LM100-16.2.25 or higher	June 2022
iCombi Classic	LM200-8.0.0 or higher	June 2022
iVario Pro	LMX-2.10.0 or higher	June 2022

Tab. 2: Software versions