

TI_2216: Information – iCombi Pro software version LM100-16.1.15



iCombi Pro, Index J



31/05/2022

Subject

Since 24/05/2022, all iCombi Pro, Index J, have been delivered with software LM100-16.1.15.

This information informs you of the relevant changes or new features.

Affected product/accessories

- iCombi Pro

General information

The new software version should be installed on all units during customer visits.

Changes or new features:

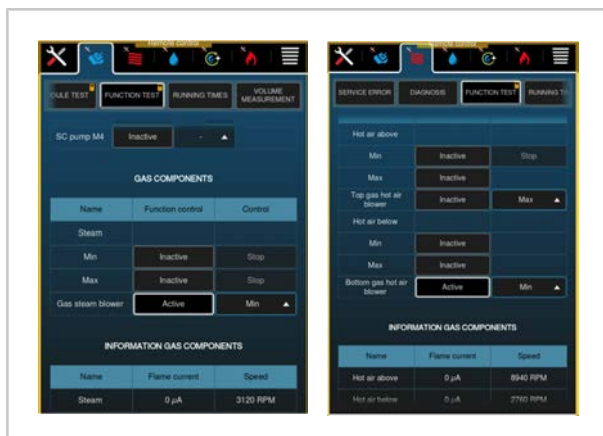
Engineering

Troubleshooting

The steam extraction hood (UltraVent, UltraVent Plus, extraction hood) was not correctly initialised during unit initial installations: When switched on for the first time, the iCombi Pro recognised the steam extraction hood and assigned it an address. However, to verify this address and to control the hood, the iCombi Pro had to be started a second time. This process has been changed so that addresses can now be assigned and verified in a single step.

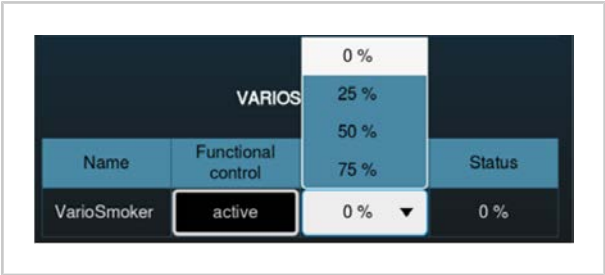
Service menu

- The function tests have been changed and extended under Starter "**Service steam**" and Starter "**Service hot air**" > Function tests > Gas components and Information gas components:



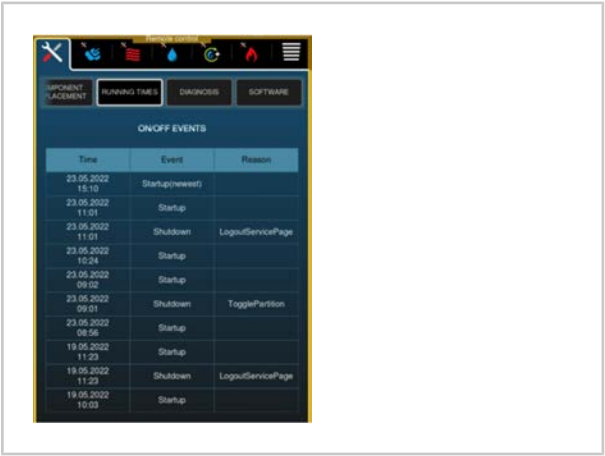
- In addition to the steam heating system, the hot air system(s) can now also be tested.
- All gas burner systems (steam and hot air) are now activated with push buttons (max and min power separated) instead of a dropdown menu.
- The gas blower motors for testing without an ignition process are now actuated in the speed levels max and min instead of 25% increments in the same way as the flue gas analysis.

- A connected VarioSmoker can be tested under Service "General" > "Basic settings". To do this, the VarioSmoker must first be set to "On" under "Settings > Cooking system" and the unit restarted.



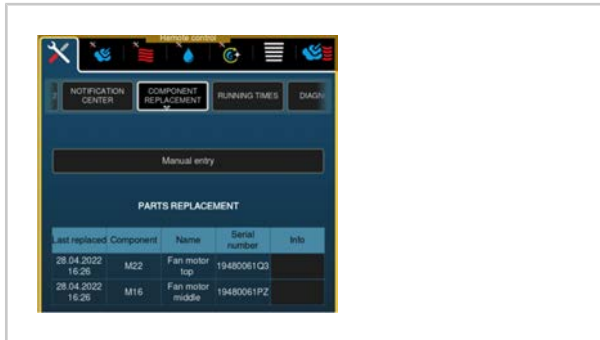
Service menu and service report

- The last ten on/off switching events of the unit are displayed with the time and reason for switching off.
Notice: "Startup > Startup > Startup" can appear directly one after the other, which does not seem logical at first glance, as switch-off processes appear to be missing. But the hard switch off processes (forced switch off, power failure) are not recognised and this can result in "Startup > Startup > Startup ...".



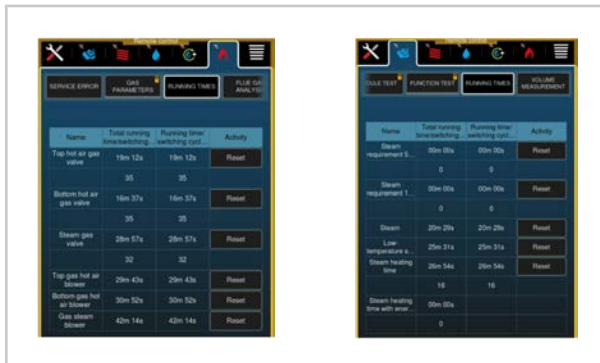
12	System-OnOff-History	Time(desc)	Reason
12.1	Startup(newest).....	20220502100053	
12.2	Shutdown.....	20220502100047	LogoutServicePage
12.3	Startup.....	20220502095044	
12.4	Startup.....	20220502094736	
12.5	Startup.....	20220502093631	
12.6	Shutdown.....	20220502093222	LogoutServicePage
12.7	Startup.....	20220502091726	
12.8	Shutdown.....	20220502091127	Normal
12.9	Startup.....	20220502090818	
12.10	Shutdown.....	20220502090516	Normal

- Specification, expansion and simplification of the component replacement history for maintenance work documentation purposes via automatic recognition of bus components ("I" = initially installed component, "M" = replacement of a component with manual entry, "A" = automatically recognised component replacement).



Component-Replacement-History	Replacement Time	Service Note
A10 IO PCB.....	20220404132542	I SN(I0193001033)
UV-A1 UltraVent PCB.....	20220404132542	I SN(2020- 3-19-361)
A13 Pump PCB.....	20220404132636	I SN(PC3-191022-11004403)
M22 Fan motor top.....	20220404132804	I SN(19480061PZ)
M16 Fan motor middle.....	20220404132804	I SN(19480061Q3)

- The heating times of the gas burner systems are recorded and displayed under Starter "**Service gas systems**", Starter "**Service steam**" and Starter "**Service hot air**" > Running times:



7.27	Gas Valve Hot Air Top.....	35	0	h
7.28	Gas Blower Hot Air Top.....	0	0	h
7.29	Gas Valve Hot Air Bottom.....	35	0	h
7.30	Gas Blower Hot Air Bottom.....	0	1	h
7.31	Gas Valve Steam.....	32	0	h
7.32	Gas Blower Steam.....	1	1	h
7.33	Heating Time Hot Air Top.....	0	0	h
7.34	Heating Time Hot Air Bottom...	0	0	h
7.35	Heating Time Steam.....	0	0	h

- The steam heating time since the last SC-automatic is now also counted.

- The error history now contains gas errors (see release notes LM100-16.0.23).

Service number	First time	Last time	Number	Activity
Service 32.1	03.05.2022	11.05.2022	2	Reset
Gas fault 22	14:12	15:22		
Service 32.1	17.05.2022	17.05.2022	1	Reset
Gas fault 32	09:59	09:59		
Service 32.1			0	Reset
Gas fault 42				

6	Diagnostic-Service-History	First Time	Quantity	Last Time
6.32_1_22	Service <32_1_22>.....	20220503141234	2	20220511152216
6.32_1_32	Service <32_1_32>.....	20220517095900	1	20220517095900
6.32_4_20	Service <32_4_20>.....	20220511151613	1	20220511151613
6.34_1	Service <34_1>.....	20220503140822	11	20220517102803

Service report

- New information on various statuses is included (e.g. "Energy optimisation" and "4-way relay" expansion boards, DHCP on/off, foam reduction on/off, control mode off-eco-on, connected mains voltage), as well as information on the cleaning behaviour (executed and recommended programme types, accepted or rejected advice).

1.30	Energy optimisation.....	false
1.31	Quadruple relay pcb.....	false
2.34	DHCP.....	true
2.37	MAC Address LAN.....	00:30:D6:2B:DE:CA
2.38	MAC Address WiFi Module.....	04:CA:6E:AF:6D:32
2.47	Foam reduction iCareSystem.....	0
2.48	Control Mode (1: off, 2: eco, 3:on):	3
2.49	Installation voltage.....	ALL_OTHER_COUNTRIES
8.6	express	
8.7	light eco with steam generator descale	
8.8	light eco w/o steam generator descale	
8.9	light with steam generator descale	
8.10	light w/o steam generator descale	
8.11	medium eco with steam generator descale	
8.12	medium eco w/o steam generator descale	
8.13	medium with steam generator descale	
8.14	medium w/o steam generator descale	
8.15	strong eco with steam generator descale	
8.16	strong eco w/o steam generator descale	
8.17	strong with steam generator descale	
8.18	strong w/o steam generator descale	
8.19	rinse without tabs	
8.20	rinse	
8.21	Clean Abort	
10.10	recommended cleaning program used	
10.11	recommended cleaning program explicitly not used	
10.12	cleaning advice by dirt credits	
10.13	cleaning advice by limescale credits	
10.15	accepted after cleaning by dirt credits	
10.16	accepted after cleaning by limescale credits	
10.18	later after cleaning by dirt credits	
10.19	later after cleaning advice by limescale credits	

- Histograms with data for statistical troubleshooting based on values for voltage, power, temperature, and load ranges. Example:

37	Histogram - Basis CPU Load (%)	Time	dim
37.1	Range 0 <= 10:.....	3534	min
37.2	Range 10 <= 20:.....	445	min
37.3	Range 20 <= 30:.....	19	min
37.4	Range 30 <= 40:.....	18	min
37.5	Range 40 <= 50:.....	50	min
37.6	Range 50 <= 60:.....	97	min
37.7	Range 60 <= 70:.....	15	min
37.8	Range 70 <= 80:.....	0	min
37.9	Range 80 <= 90:.....	5	min
37.10	Range 90 <= :.....	48	min

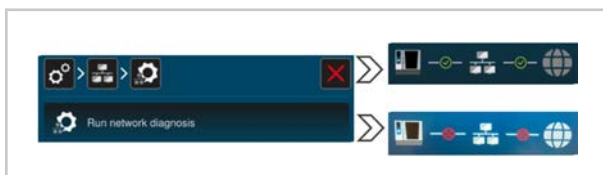
Application

- iProductionManager:
Improvements in the copying of tickets and resulting simplifications in the creation of holistic plans.
- iCookingSuite:
 - The "Long press function" to deactivate previously selected end options, such as holding or crisping after a cooking process, prevents unnoticed errors in operation.
 - Expansion of adjustments to national cuisines and cooking paths in order to fulfil culinary and linguistic requirements.

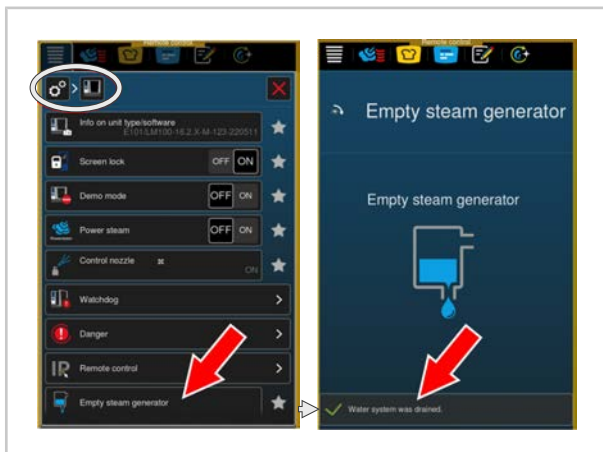
- Manual programming:
The VarioSmoker can now be integrated when creating manual programmes. This function is automatically activated the first time a VarioSmoker is connected and can be manually deactivated or reactivated as required.
- iCareSystem:
 - An acoustic warning sounds if the door is opened during cleaning.
 - A general switch-off of the unit after a cleaning process can now be activated under "Settings > Cleaning" (this was previously only possible for individual cleaning processes).

General

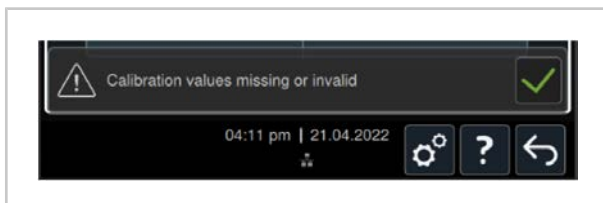
- In rare cases, the "**Moisten**" button could no longer be activated. This issue has been resolved.
- Subsequent adjustment of the time after the door was closed in the Finishing/Smoking cooking path was not possible. The time can now be set again at any time.
- The transparency of messages on the screen has been improved in order to make underlying setting options more recognisable for our customers. In particular, the prompt to close the door at the start of a cooking process concealed the available setting options for end options until now.
- A network diagnosis can be carried out under "**Settings > Network settings**" to check the network and ConnectedCooking availability.



- With the new "**Empty steam generator**" function under "**Settings > Cooking system**", the steam generator, the cleaning box and the water paths of the iCombi Pro can be emptied. This can be used for transport requirements (e.g. catering business) or seasonal requirements (e.g. summer break in a ski lodge).

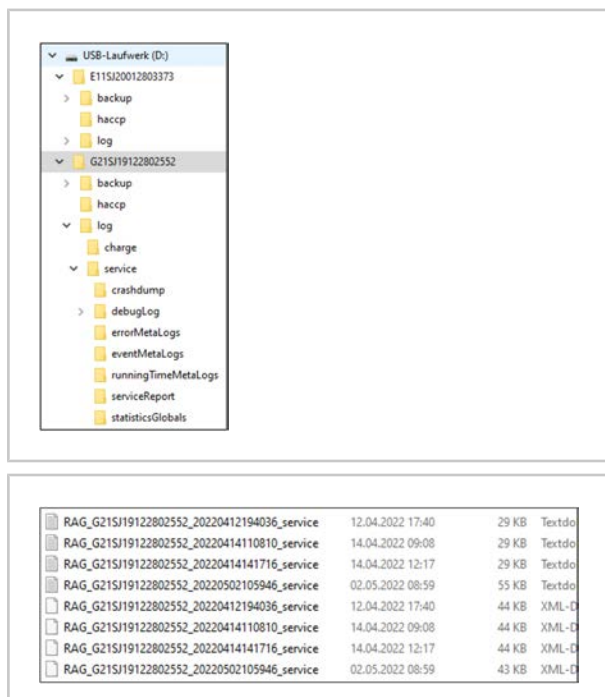


- The menu navigation or sequence for this is: Close water tap > operate hand shower > automatic emptying of steam generator > pump cleaning box empty.
- **Important:** The process is not used to redetermine the steam generator volume, as is the case with older unit lines!
- If a unit has no or invalid calibration values, a warning message appears. The user must confirm this; cooking can then take place, but uneven cooking results must be accepted.



- Export data to a USB stick ("**Settings > Data management**")
 - When an export action is triggered, a check is carried out to determine whether there is enough free space on the USB stick and a warning message is issued if necessary.

- If this function is carried out, a directory name with the serial number of the unit will now be shown on the USB stick in the file structure. This directory contains all exported data in specific sub-directories. If further downloads are carried out at a later time, these will automatically be copied to the corresponding sub-directories already created. This chronological, serial number-based filing provides a better overview and a better possibility for comparison, as all files have been written to the root directory of the USB stick until now.



- Updated documents for the help pages.
- The download of unit software from version 16.0.23 takes much longer as the file size has doubled in order to be able to support two A11 CPU board versions.

How do I get the new software?

- As usual, the software update can be downloaded onto your genuine RATIONAL USB stick. To update the software, connect your computer to the internet and start the "**RATIONAL-LoaderStarter.exe**" file on your RATIONAL USB stick.
- Alternatively, download the software package as a .zip file from the **RATIONAL portal**.
- iCombi Pro units connected with ConnectedCooking will automatically offer the update to the user (possibly up to a week later).

The new software version should be installed on all units during customer visits.