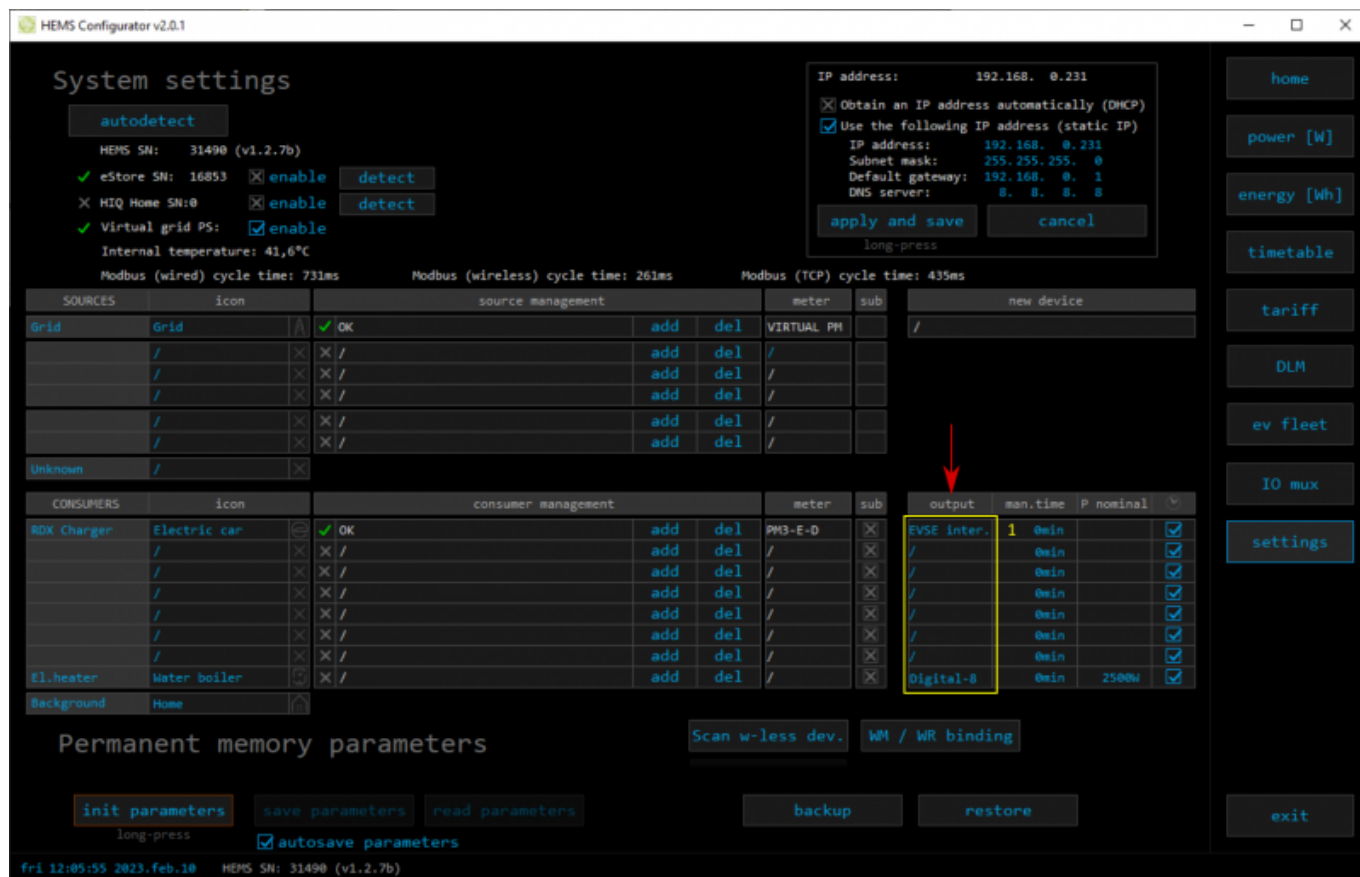
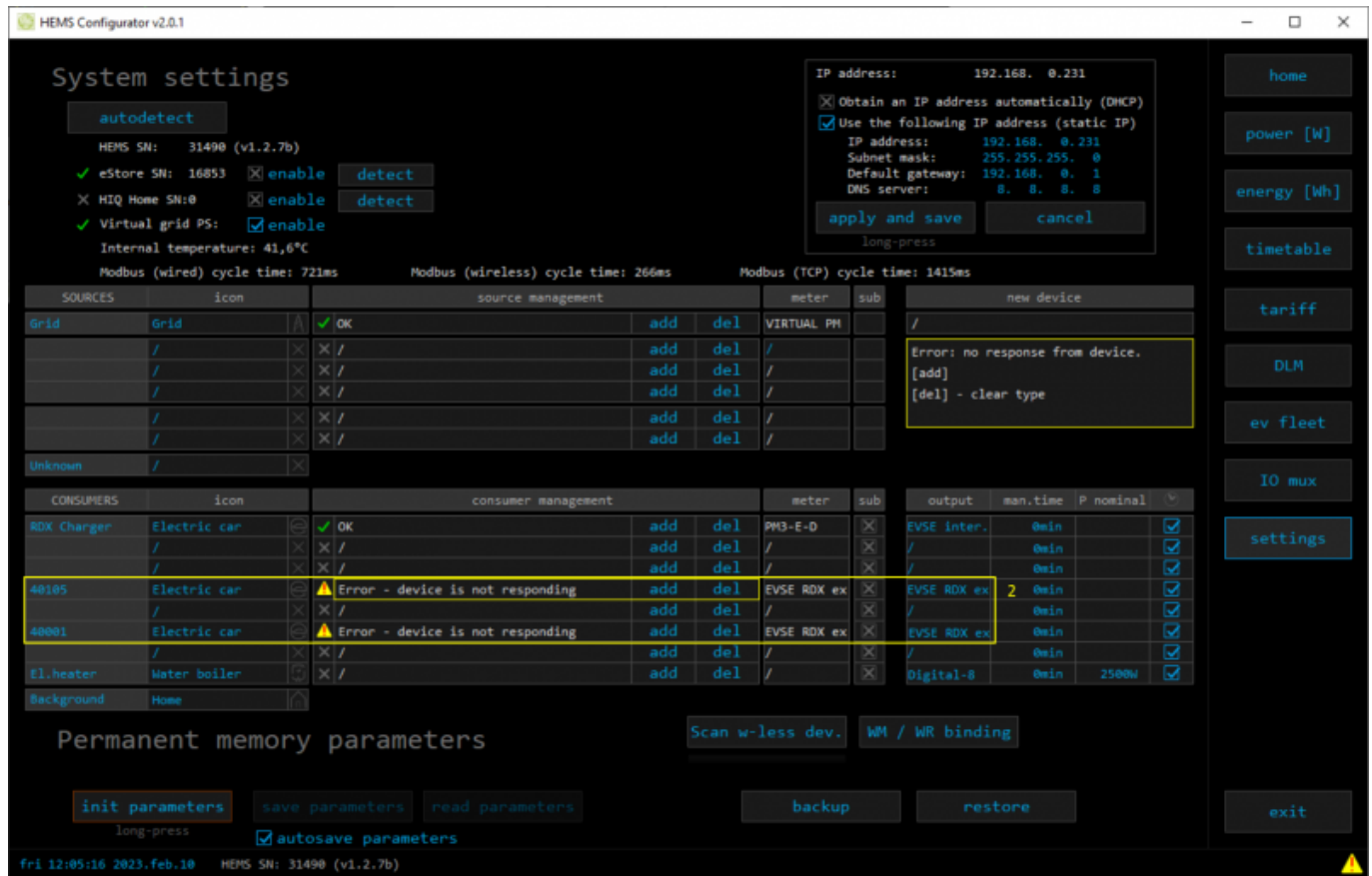


Procedure to set RDX Charger as master is as follows:

- [HEMS Configurator](#) → settings → output column → select “EVSE RDX external” at desired position (1). Note that “EVSE inter.” is reserved and can't be changed!



- HEMS Configurator → settings → enter name and select icon (2). Message “Error - device is not responding” may appear as IP address is not defined yet.



- HEMS Configurator → limiter:
- (3) enter allowed current value of grid fuses in case of connected grid power sensor, or max current limit of complete ev fleet if there is virtual grid active
- (4) make sure to configure phase order for grid and RDX Chargers correct as dynamic load management may not work properly. **Double check!**
- (5) select limiter priority for chargers: no limiter, limit last (last to be limited), limit second, limit first (first to be limited)

HEMS Configurator v2.0.1

Dynamic Load Management

	Grid current limit [A]		
	L1	L2	L3
Used current limit:	20	20	20
MAX current limit:	20	20	20

3

☒ Enable cluster slave connection

	L1	L2	L3
Master current limit:	0	0	0
Limit if connection with master is lost:	0	0	0

☒ Enable limiting from cloud

	L1	L2	L3
Cloud current limit:	3200	3200	3200
Limit if connection with cloud is lost:	3200	3200	3200

4

	Total	Power [W]			Current [A]			Voltage [V]			Phase order	Priority
		L1	L2	L3	L1	L2	L3	L1	L2	L3		
Grid	8739	3159	2780	2800	13,7	12,1	12,3	230	230	230	L1 L2 L3	4
RDX Charger	389	389	0	0	1,7	0,0	0,0	228	0	0	L1 L2 L3	No limiter
40105	8350	2770	2780	2800	12,0	12,1	12,3	231	232	233	L1 L2 L3	Limit first
40001	0	0	0	0	0,0	0,0	0,0	231	234	231	L1 L2 L3	No limiter
El.heater	0	0	0	0	0,0	0,0	0,0	230	0	0	L1	No limiter
Background	0	0	0	0	0,0	0,0	0,0	0	0	0		

5

GRID FREQUENCY [Hz] 0,00

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- HEMS Configurator → IO mux → enter IP address of slave RDX Charger (6). Serial number (SN) will be listed automatically once connection is established.

HEMS Configurator v2.0.1

IO mux

	act.	status	output function	out mode
WR 1	<input checked="" type="checkbox"/>		/	normal
WR 2	<input checked="" type="checkbox"/>		/	normal
WR 3	<input checked="" type="checkbox"/>		/	normal
WR 4	<input checked="" type="checkbox"/>		/	normal
WR 5	<input checked="" type="checkbox"/>		/	normal
WR 6	<input checked="" type="checkbox"/>		/	normal
WR 7	<input checked="" type="checkbox"/>		/	normal
WR 8	<input checked="" type="checkbox"/>		/	normal

	input/output function	out mode
QX0	Digital-1	normal
QX1	Digital-2	normal
QX2	Digital-3	normal
QX3	Digital-4	normal
IO12	WR 1 channel 0	normal
IO13	Linker reset	normal
IO14	/	normal
IO15	/	normal
IX0	Toggle consumer-1	normal
IX1	Toggle consumer-2	normal
IX2	Toggle consumer-3	normal

	Off	Reduced	Normal	Increased	Increased + add. heater	Enter number of channels
Heat pump 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Heat pump 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Heat pump 3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Heat pump 4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Slave device IP address		
Device	IP address	SN
Grid	0.0.0.0	0
	0.0.0.0	0
	0.0.0.0	0
	0.0.0.0	0
	0.0.0.0	0
	0.0.0.0	0
RDX Charger	0.0.0.0	0
	0.0.0.0	0
	0.0.0.0	0
40105	192.168.0.189	40105
	192.168.0.215	0
40001	192.168.0.124	40001
	0.0.0.0	0
El.heater	0.0.0.0	0

6

Fri 12:07:13 2023.feb.10 HEMS SN: 31490 (v1.2.7b)

- HEMS Configurator → ev fleet:

- (7) master RDX Charger,
 (8) connected slave RDX Charger with enabled control by master (green tick) and
 (9) connected slave RDX Charger with disabled control (red X) → master can not control it! To enable control, run RDX Charger app on slave charger and enable “EVSE works as slave”.

HEMS Configurator v2.0.1

Charger ID	Status	Power [W]	EVSE max [A]	Max current [A]	Last session Time	Last session Energy [Wh]	Settings	Slave SN
40105	Charging	391 W	16 A	16 A	145 h 24 min	26392 Wh	Priority charge, Locked, Allow charging with ventilation, Disable button, Turn LED off after 3 minutes of inactivity, Economy charging: Current: 6 A, Charge only at LO tariff, Charge with surplus energy	0
40105	Charging	7650 W	11 A	32 A	143 h 48 min	312850 Wh	Priority charge, Locked, Allow charging with ventilation, Disable button, Turn LED off after 3 minutes of inactivity, Economy charging: Current: 8 A, Charge only at LO tariff, Charge with surplus energy	40105 ✓
40001	EV not connected	0 W	0 A	20 A	6 h 32 min	40670 Wh	Priority charge, Locked, Allow charging with ventilation, Disable button, Turn LED off after 3 minutes of inactivity, Economy charging: Current: 6 A, Charge only at LO tariff, Charge with surplus energy	40001 ✗

Master SN: 0

Event log: RFID_QR

EVSE works as slave

Limit if connection with master is lost: 0 A

Navigation buttons: home, power [W], energy [Wh], timetable, tariff, DLM, ev fleet, IO mux, settings, exit

Footer: thu 15:26:39 2023.feb.09 HEMS SN: 31490 (v1.2.7b)