

Release of OJ-Air2 Software version 5.07

OJ-Air2 software version 5.07 is released for up-grade with the SD-card. In the production at OJ Electronics version 5.03 is still used, until another factory installed version is requested.

Changes

Compared to version 5.04 there were following improvements:

Functionality

- The AHU can now be stopped while the water heating coil start-up phase has not expired. (UOE7066-2).

Web

- 0_4_3: Logging of Pressure corrected in (UOE4911)
 - Supply air slave.
 - Extract air slave.
- 1_1_0: Display of Internal Outdoor temp. corrected (UOE5871)
- 3_1_0: DV-FC Max current increased to 35A. (UOE6546)
- 2_0_0: Specific Fan Power calculation (UOE6936)
- 2_0_0: Rotary heat exchanger Control type display (UOE7261)
- 1_1_5: Russian Dehumidification text corrected.

OJ-Air2-HMI-35T

- No changes

Hand terminal

- No changes

Alarms

Alarm delay increased to 9600sec. (160min) and the alarms are automatically reset when the alarm condition disappears:

- Alarm 117: Supply EC Controller: Current limit active
- Alarm 124: Exhaust EC Controller: Current limit active

Modbus registers

- 3x0048 Extract filter max. alarm limit [Pa] (NEW)
- 3x0040 Current Heat recovery EfficiencyTemp. (NEW)

Outdoor temp.(UOE5871)

- 3x0024 Control loop outdoor temp. (No changes)
- 3x0221 External outdoor temp. sensor (No changes)
- 3x0229 Internal outdoor temp. sensor. (NEW)

Specific Fan Power

- 3x0098 Combined SFP High byte (NEW)
- 3x0098 Combined SFP Low byte (NEW)

CVM (UOE7011)

- 3x0323 Active Energy tree phases. High byte (NEW)
- 3x0315 Active Energy tree phases. Low byte (No changes)
- 3x0316 L1 Current. High byte (NEW)
- 3x0302 L1 Current. Low byte (No changes)
- 3x0317 L1 Active Power. High byte (NEW)
- 3x0303 L1 Active Power. Low byte (No changes)
- 3x0318 L2 Current. High byte (NEW)
- 3x0305 L2 Current. Low byte (No changes)
- 3x0319 L2 Active Power. High byte (NEW)
- 3x0306 L2 Active Power. Low byte (No changes)
- 3x0320 L3 Current. High byte (NEW)
- 3x0308 L3 Current. Low byte (No changes)
- 3x0321 L3 Active Power. High byte (NEW)
- 3x0309 L3 Active Power. Low byte (No changes)
- 3x0322 Active Power tree phases. High byte (NEW)
- 3x0310 Active Power tree phases. Low byte (No changes)

CVM Cool (UOE7011)

- 3x0352 Active Energy tree phases. High byte (NEW)
- 3x0344 Active Energy tree phases. Low byte (No changes)
- 3x0345 L1 Current. High byte (NEW)
- 3x0331 L1 Current. Low byte (No changes)
- 3x0346 L1 Active Power. High byte (NEW)
- 3x0332 L1 Active Power. Low byte (No changes)
- 3x0347 L2 Current. High byte (NEW)
- 3x0334 L2 Current. Low byte (No changes)
- 3x0348 L2 Active Power. High byte (NEW)
- 3x0335 L2 Active Power. Low byte (No changes)
- 3x0349 L3 Current. High byte (NEW)
- 3x0337 L3 Current. Low byte (No changes)
- 3x0350 L3 Active Power. High byte (NEW)
- 3x0338 L3 Active Power. Low byte (No changes)
- 3x0351 Active Power tree phases. High byte (NEW)
- 3x0339 Active Power tree phases. Low byte (No changes)

Values are calculated as (High byte) * 65536 + (Low byte).
OBS: High and low bytes are type: Unsigned Integer.

BACnet

See [protocol](#) at OJ Electronics' website.

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BACnet

See [protocol](#) at OJ Electronics` website.

Affected articles

OJ-Air2Master

Coming into force

Version 5.07 is released for up-grade with SD-Card in week 51 2019.

Compatibility

No changes are required when upgrading from version 5.04 to 5.07.

Updating with the SD card

The OJ-Air2Master has to be with **software version 3.01** or higher. The following files must be copied to the SD card:

- "air2_v207_update_rd.gz"
- "version.crc" (1kB, 06-09-2019, 08:21)
- "air2_v507_update_jffs2.tar.gz"

OBS: This update requires three files on the SD-card, since the memory allocation has to be re-arranged in the OJ-Air2Master to software 5.xx layout. Due to the large amount of data, this update has a duration of approximately 8 minutes, if the current software version is lower than 5.01. See details on next page.

WARNING:

Do not power off the OJ-Air2master during the update sequence.

The files are available at: <http://www.ojelectronics.com/Support/Customer-Login.aspx>

Up till 8Gb HC SD cards can be used from version 2.19.

The SD-card shall have a MBR with msdos partition table, and the first primary partition in it shall be VFAT (or FAT32) filesystem.



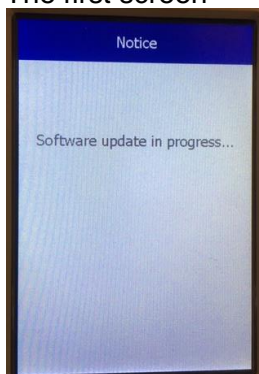
Software 5.0x update sequence if current software version is lower than 5.01:

WARNING: Do not power off the RH-Air2Master during the update sequence. It will damage the internal files and the RH-Air2Master will need service at OJ Electronics factory.

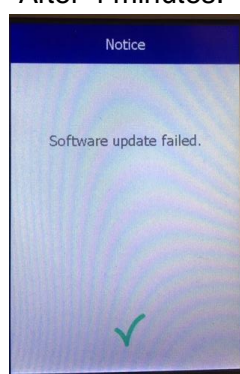
1. Copy the **three** files to a SD card. (Max. SD-card size is 8Gb)
2. Insert the SD card in the OJ-Air2Master
3. Wait approximately one minute until the new software is detected
4. Press update button in HMI.
5. **Wait 8 minutes** until the update sequence has completed.
DON'T touch anything, just let the process run.

The HMI will show these screens during the update

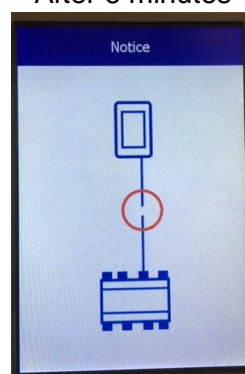
The first screen



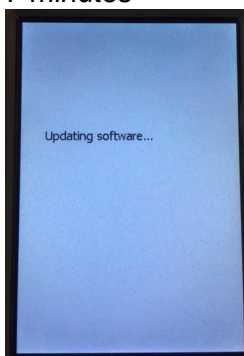
After 4 minutes.



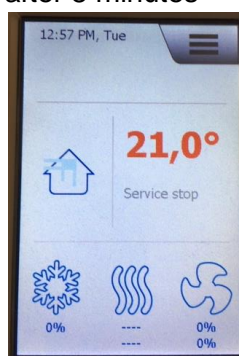
After 6 minutes



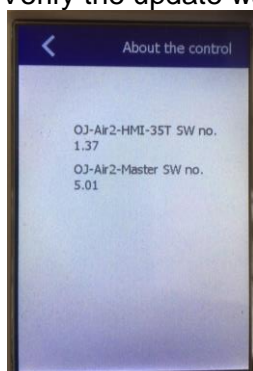
Flashing after 7 minutes



Update completed after 8 minutes



6. Verify the update was success full



OJ-Air2-HMI-35T SW 1.37 is OK
OJ-Air2-Master SW 5.07 is OK