

## Release of OJ-Air2 Software version 5.04

OJ-Air2 software version 5.04 is released for up-grade with the SD-card. In the production at OJ Electronics version 5.03 is still used until further notice.

### Changes

Compared to version 5.03 there were following improvements:

#### Functionality

- Cloud features can be enabled on old OJ-Air2Masters by SD-card, see product information no. **563A OJ Air2 Cloud enable**
- 4-zones Auto configuration now resets enumeration by a broadcast allowing previously used Zone modules automatically to be detected. (UOE 7136) The OJ-Air2Master now updates the zone modules to the current released versions included in Zone master package 3.44.
  - OJ-Zone module version 3.75
  - OJ-RPT-20T version 1.18
- EXT2 configuration is now not effected by selection of I/s when a Portal access key is used. (UOE 7341)
- Fluid coupled heat recovery pump operation relay is now activated if Pump operation is set to Outdoor temperature or Constant.(UOE 7326)
- After cooling time is now not influenced by preheater settings when no preheater is configured (UOE 7066)

#### Web

- No changes

#### OJ-Air2-HMI-35T

- No changes

#### Hand terminal

- No changes

#### Alarms

- No changes

#### Modbus registers

- AlrComHWPump (1x0504) now also reports faults from
  - Pump alarm Heating coil 1 (existing)
  - Pump alarm Heating coil 2 (added)
  - Pump alarm Preheating coil (added)
  - Pump alarm Combi coil (added)
  - Pump alarm Heat recovery (added)
- AlrComSupFan (1x0500) now also reports faults from digital input Supply air fan alarm.
- AlrComExtFan (1x0502) now also reports faults from digital input Extract air fan alarm. (UOE 4852)

## BACnet

- AirComHWPump (BI 184) now also reports faults
  - Pump alarm Heating coil 1 (existing)
  - Pump alarm Heating coil 2 (added)
  - Pump alarm Preheating coil (added)
  - Pump alarm Combi coil (added)
  - Pump alarm Heat recovery (added)
- AlrComSupFan (BI 185) now also reports faults from digital input Supply air fan alarm.
- AlrComExtFan (BI 186) now also reports faults from digital input Extract air fan alarm. (UOE 4852)

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

## Affected articles

OJ-Air2Master

## Coming into force

Version 5.04 is released for up-grade with SD-Card in week 34 2019.

## Compatibility

No changes are required when upgrading from version 5.03 to 5.04.

## 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, 28-06-2019, 11:13)
- "air2\_v504\_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) file system.



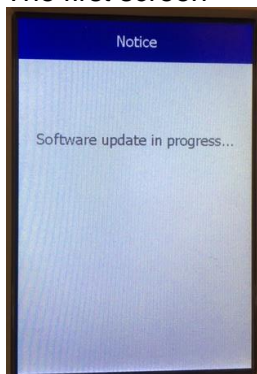
## Software 5.04 update sequence if current software version is lower than 5.01:

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

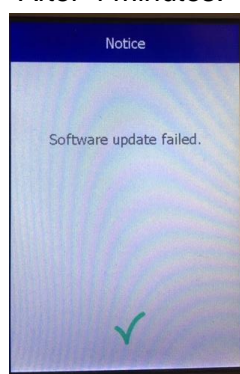
1. Copy the **three** files to a SD card. (Max. SD-card size is 8Gb)
2. Insert the SD card in the OJ-Air2Master
3. Wait approximately one minute until the new software is detected
4. Press update button in HMI.
5. Wait 8 minutes until the update sequence has completed.  
**DON'T touch anything, just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

The HMI will show these screens during the update

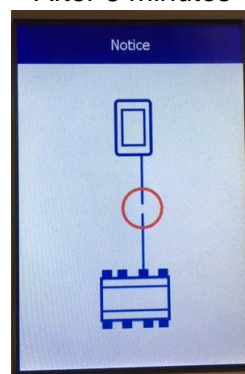
The first screen



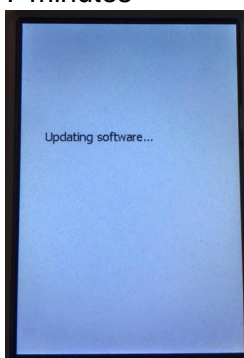
After 4 minutes.



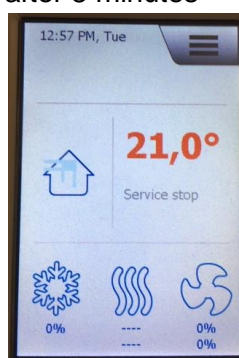
After 6 minutes



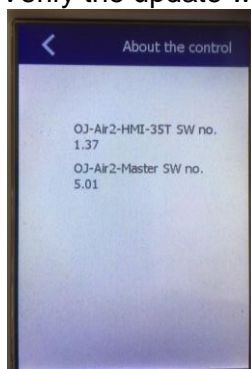
Flashing after 7 minutes



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 5.04 is OK