

## OJ-Air2 Software version 6.40

OJ-Air2 software version 6.40 is released for up-grade with the SD-card. In the production at OJ Electronics version 6.11 is still used until further notice.

### Changes

Compared to version 6.31 there were following improvements:

### Functional description

No changes. Functional description OJ-Air2 01 is still valid. The new features will be added in OJ-Air2 02.

### Functionality

#### New features:

- Defrost by Exhaust air in case of heat exchanger type
  - Crossflow
  - Counterflow
  - Double crossflow

is configured without a Bypass damper.

The supply fan is stopped during the defrost cycle.

This defrost method is only active if settings are “Normal” and not “Modulated recirculation”

#### Improved features:

- Display of airflow unit in l/s, m3/h or CFM can now be selected at “Installer” level in the web server.
- De-humidification is now possible if
  - DX cooling & heat pump
  - Ext. DX cooling & heat pump
 is used as Coil1 and Coil2 is configured as after heater.

#### Web

- 0\_4\_4, 2\_0\_0, 2\_0\_1, 3\_1\_0 Defrost Exhaust fan.
- 1\_0\_0 Selection of airflow unit l/s, m3/h or CFM.

## Cloud

- No changes

## OJ-Air2-HMI-35T

- No changes in menus, only internal changes.
- HMI sw 1.43.

## Hand terminal

- No changes.

## Alarms

- No changes

## Modbus registers

- No changes

## BACnet

- No changes

## Affected articles

OJ-Air2Master

## Coming into force

Version 6.40 is released for up-grade with SD-Card in week 48 2021.

## Compatibility

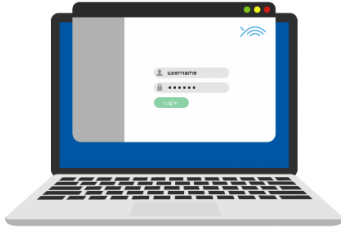
No changes are required when upgrading from version 6.31 to 6.40.

## Updating with the SD card

The OJ-Air2Master has to be with software version 6.10 or higher. The following files must be copied to the SD card:

- "air2\_v\_2\_08\_update\_rd.gz"
- "air2\_v4\_19\_107\_0\_update\_kernel.gz"
- "version.crc" (1kB, 03-11-2021, 14:20)
- "air2\_v640\_update\_jffs2.tar.gz"

**OBS:** This update requires four files on the SD-card, since the LINUX operation system will be updated to the latest version. Due to the large amount of data, this update has a duration of approximately 8 minutes, See details on next page.



**WARNING: Do not power off the OJ-Air2Master during the update.**

The files are available at OJ Electronics Customer Login:  
<https://ojelectronics.com/support>

Up to 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 6.10 update sequence if current sw is 5.01 to 5.99:

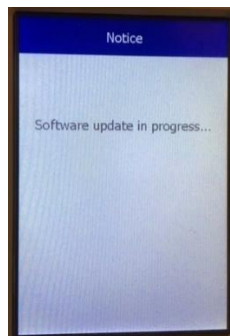
**WARNING: Do not power off the OJ-Air2Master during the update sequence. It will damage the internal files and the OJ-Air2Master will need service at OJ Electronics factory.**

1. Copy the four 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

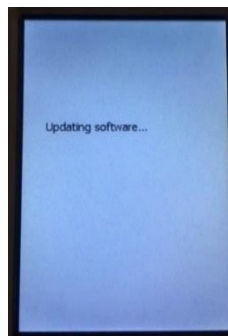
**DON'T touch anything, just let the process run.**

The HMI will show these screens during the update

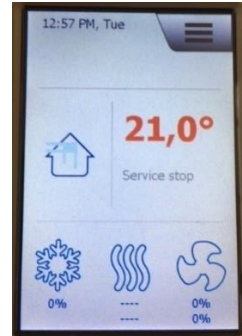
The first screen



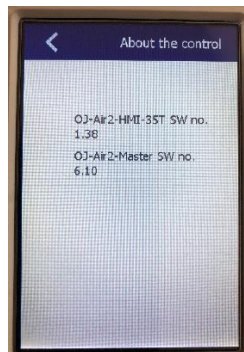
After 6½ minutes



After 8 minutes



6. Verify the update was successful



OJ-Air2-HMI-35T SW 1.38 is OK  
OJ-Air2-Master SW 6.10 is OK