

Updating the GOLD Version E/F/G Software by means of an SD card/USB flash drive

1. General

The control unit in the air handling unit is equipped with a connection for SD cards.

When the SD card is inserted into the control unit, the control system automatically reads the card to determine whether the program version on the card is newer than the one in the control system.

If this is the case, a display image is shown, where the operator must confirm whether the upgrade shall be implemented.

The upgrading period normally lasts about 7 minutes, but it can vary up to thirty minutes.

Applicable to program version 2.36 and newer versions, it is also possible to perform a program update via a USB flash drive.

Note: If the existing software is version 2.39 or earlier, the update must be performed in three steps.

The first step involves updating to program version 2.40u. Follow steps 1 and 2 in the instructions under section 3. The upgrade is then initiated manually from the Software/Manual software upgrade menu.

The second step involves updating to program version 2.48. Follow the instructions under section 3.

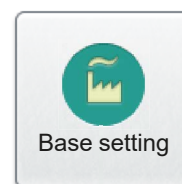
The third step involves further updating to higher program versions. This is performed in the same way as before, following the instructions under section 3.

2. Choice of medium for upgrading

Under Base setting, it is possible from program version 2.36 to select whether upgrading is to be performed via an SD card or a USB flash drive

Select whether upgrading is to be performed via an SD card or a USB flash drive.

Note! After the upgrade, it is important to set the storage medium that is used for the regular logging function if another storage medium has been selected for the upgrade.



3. To upgrade the control unit

Check that the present air handling unit settings agree with the commissioning protocol or write them down once more. For certain upgrades that involve substantial changes, it may be necessary to reset the control system to its factory settings.

1. Stop the air handling unit. Switch off the safety isolating switch.
2. Insert the SD card in the card reader, with the text side facing forward, through the slot on the control unit. Alternatively, insert the USB flash drive in the USB port. See Figures 1 and 2.

From program version 2.37, the SD card or USB flash drive can also be read via the hand-held micro terminal, see Figure 3.

Switch on the safety isolating switch.

3. Log in as local or installation.
4. Wait for the control system to detect that there is a new program on the SD card /USB flash drive and to display a pop-up-window with the text "New software available - New software version x.xx). If the pop-up window does not appear, go to Functions/Software and select Manual software upgrade.
5. Confirm by pressing OK in the hand-held terminal, confirming that the upgrade shall be implemented.
6. The "Software upgrade" pop-up window appears. See Figure 4.
This window shows the various steps in the update. If the software stays in the Rebooting IQlogic step for a long time, wait at least 30 minutes, switch off the power supply and then restart.
7. When "Rebooting IQlogic" is completed, the "Synchronizing IQnavigator software" window will be shown for one minute or six minutes.
8. When "Synchronizing IQnavigator software" is settled, the IQnavigator hand-held terminal will restart. The display screen will then be black.
9. When the hand-held terminal has started, the "Software upgrade finished" will be shown. "Current software version x.xx" is shown in this window. Press OK.
10. Switch off the power supply and remove the SD card/USB flash drive
11. Then start up the air handling unit again.
11. Check or enter the settings for the required functions and set points.
12. If the motor control system is not to be upgraded, start the air handling unit in the desired operating mode. If the motor control system shall be upgraded, go to Section 4 without starting the air handling unit.

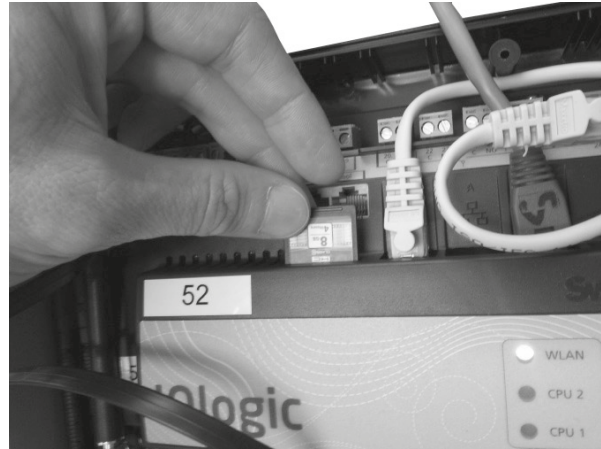


Figure 1



Figure 2



Figure 3

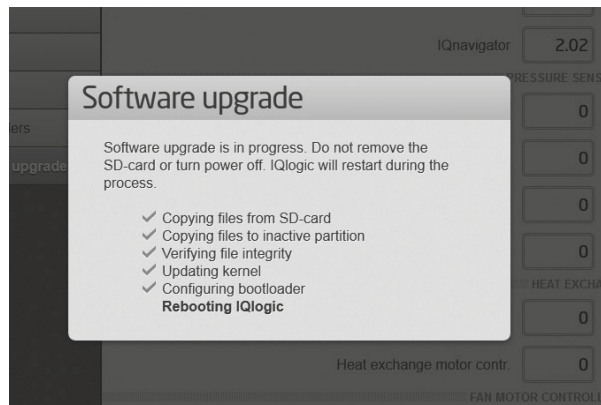


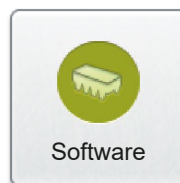
Figure 4

4. To upgrade the motor control system

If required, the DV motor control software can also be upgraded via the GOLD air handling unit's HMI.

This requires GOLD Program Version 1.20 or a later version.

1. Log in as Service.
2. Navigate to "Software/Fan motor ctrl., software upgrade".
3. Press "Upgr. fanm. ctrl. systems". Wait until upgrading has finished. The upgrade of each fan can take up to five minutes.
4. Check that the software, for all the motor control systems, has been upgraded to the current version under "Fan motor ctrl. systems"
During the upgrade progress, the program version of each fan will change in real time.
5. After updating the air handling unit, disconnect it from the power source for one minute.
6. Start the air handling unit in the desired operating mode.



Fan motor ctrl., software upgrade

