

1 Warning, read this first !!!

The OH50 module, with bootloder version V1.15, can not be updated with an 2GB WISI USB-stick. The stick is not correct recognized from the OH50 bootloder, and the module update is skipped. Please use another USB-stick.

Before you update any OH module, make sure your OH50 Software Version is greater or equal than 1.20. If not update the OH50 first, without updating any modules.

This is described in [3 Update OH50 only](#)

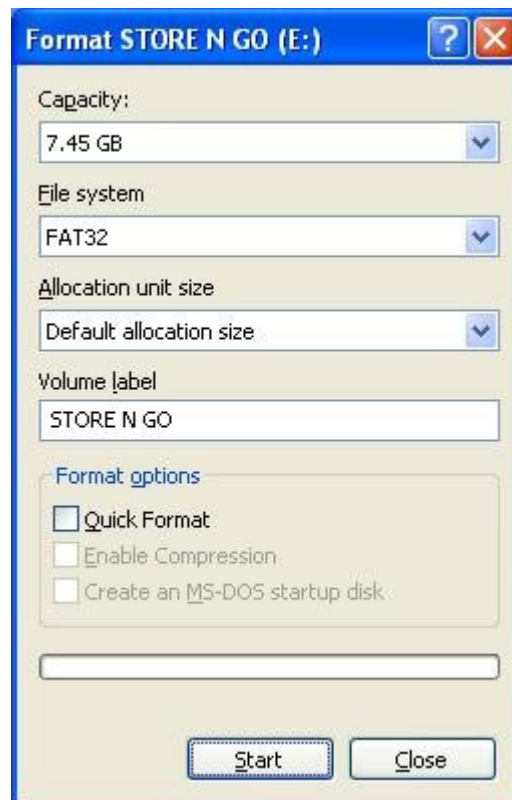
1.1 Update of OH38, OH76, OH77, OH79 modules

After updating modules with analog output section, power supply must be switched off.

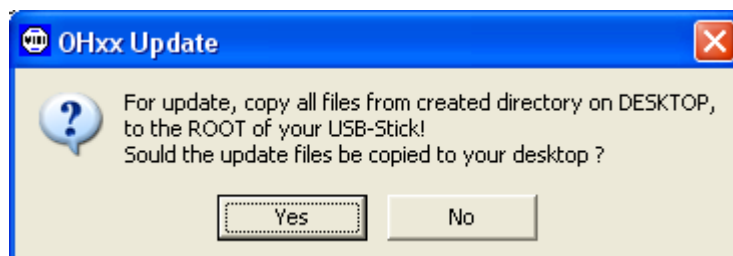
Remove the USB-Stick after updating and unplug the whole rack 1 min. From mains supply. Then reconnect the main supply and star the rack.

2 Automatic update

1. Get a new USB-Stick and format it with FAT32
(**Attention: All Data on the stick will be lost !!!**)



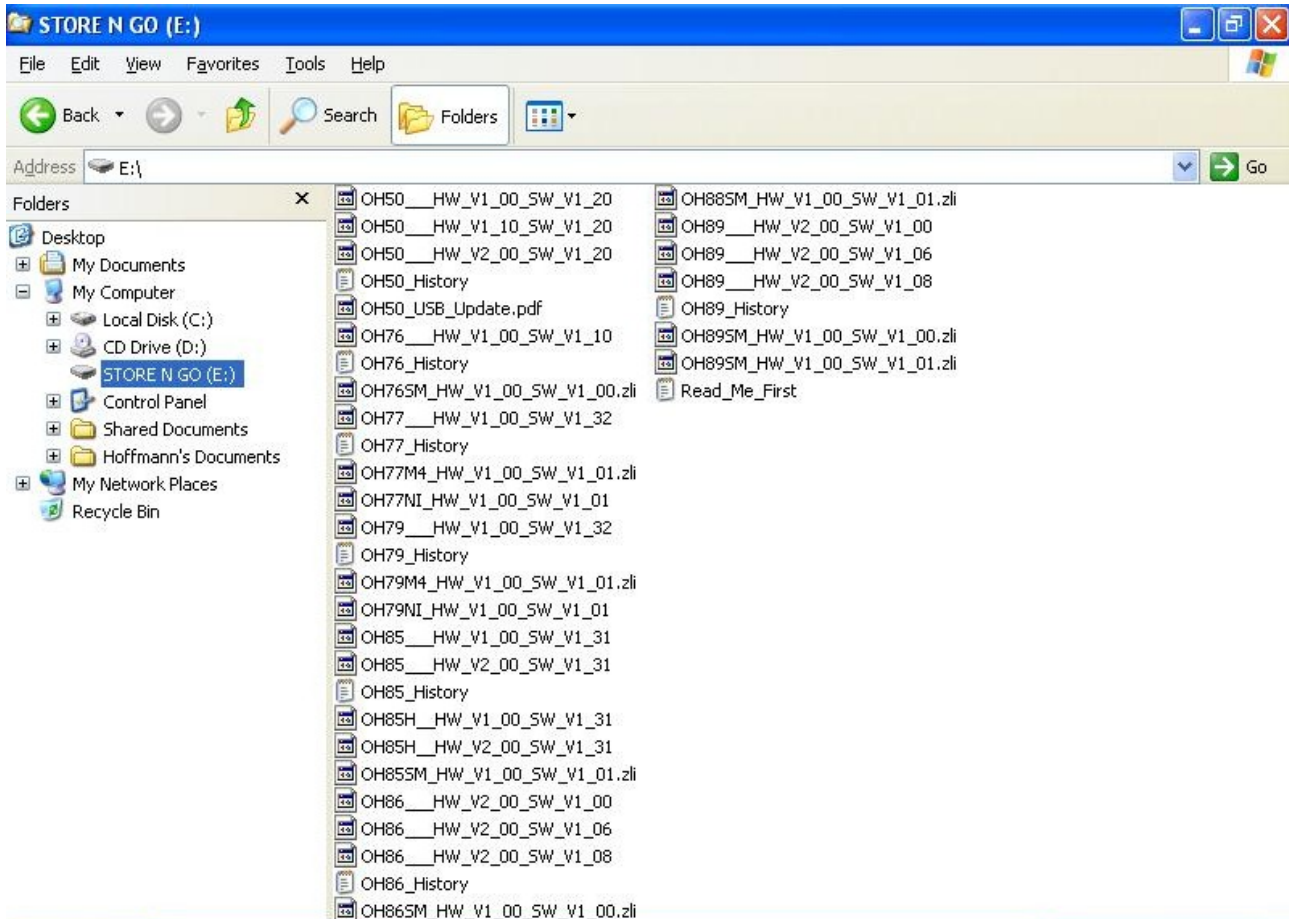
2. Download update file from WISI homepage and start it to extract update files to desktop



Press Yes to start extracting files.

The files will now be extracted to a OH_Update_Release directory on your desktop.

3. Mark all files in the created directory and copy them to the root directory of the USB-Stick. Your Stick should now look like this:



4. *If an OH51 is connected to the rack, unplug the mains supply from the rack. Open the screwing in front of the OH51 module and unplug the OH51 module, by pulling it 2cm out of the rack. Replug the power to the rack.*
5. Ensure that OH Headend is in Standby State
(Plug in handset and wait till startup has ended and software version is displayed on the handset)

If a menu is displayed get back to standby by pressing the left key in the module menu System settings line

The handset must show the following message:

WISI Headend
OH50 V x.xx

6. Plug USB-Stick to OH50 USB-Interface

The handset must show the following message:

OH50 headend
USB mem attached

7. The automatic update menu is displayed on the handset.
Choose the auto update menupoint (press the up key once)

OH50 auto mode
Auto update

8. Press the right key to start auto update.
The start message must be set to yes (press the up key once)

Auto update mode
Start update: Yes

9. Start auto update by pressing the right key

10. The OH50 searches now for connected modules to update

The handset shows the following message:

Search modules
xxxxxxxxxxxxxxxx

11. The OH is now searching for a new software for every connected module. If a new software is found the module is updated.

While updating a module the handset shows the following message:

```
2 OH77      HW1.00  
V1_00.bin  |
```

In the first line module number, name and hardware ID are displayed.

In the second line the update version is displayed with a progress bar of the update progress. The turning char at the end of the second line, marks that the OH headend is busy with updating a module.

12. After updating all modules, the OH50 returns to the StandBy state. The following message is displayed in the handset:

```
WISI Headend  
OH50 V x.xx
```

After this the USB-Stick must be removed.

13. If an OH51 was connected to the rack, unplug the main supply and push the OH51 back in it's slot. Tighten the OH51 screws in the rack.

3 Update OH50 only

It can be necessary to update only the OH50 without any module update. This is described in this chapter.

1. Get an FAT32 formatted USB-Stick with the OH50 software in the root directory, or prepare it like described in [2 Automatic update](#) point 1 to 3.
2. Connect the USB-stick to your OH50 module
3. Remove power supply from OH50 for 1 minute
4. Reconnect the OH50 power supply with connected USB-stick to the OH50
5. The OH50 module automatically opens the newest available software on the stick
6. Updating the OH50 starts automatically, the handset shows the following message:

OH50 HW1.00
V1_00.bin [REDACTED] |

7. After updating the OH50 restarts
8. Following the StandBy message is displayed on the handset:

WISI Headend
OH50 V x.xx

now the USB-Stick must be removed from the OH50

4 Update OH51

Please read the OH51_FirmwareUpdate.pdf manual in the OH51 subdirectory.

5 Problems after update

5.1 Module in boot

The module update has failed for some reason. When choosing the module the handset displays :

ModuleX in boot do auto update

The reason is: the application is corrupted or the checksum could not be written while updating. The module now stays in the bootloader and a autoupdate must be done. Retry the update process from step 4 to the end to do the auto update.

5.2 OH50 in boot

The OH50 update has failed for some reason. The OH50 front LED is flashing yellow and the handset displays :

WISI OH50 Boot V1.16

The reason is: the application is corrupted or the checksum could not be written while updating. To get the OH50 back to life, do an OH50 only update as described in chapter [3 Update OH50 only](#) .

5.3 Update files name

To determine which module must be updated with which file, the OH50 uses the names of the update files. So the file names of the update files must not be changed. The following format is been used:

5.3.1 Module application software

6 chars module name + HW ID + SW ID (extension is ignored)

OH50__HW_V1_00_SW_V1_00.bin

5.3.2 Module extension software

4 chars module name + 2 chars extension name + HW ID + SW ID (extension is ignored)

OH85SM_HW_V1_00_SW_V1_00.zli