

# 3GSwupFU package for the Qualcomm Multi Image Boot Concept

Document version: 1.5

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## **1. Description**

This tool supports updating your mobile phone software using the Siemens 3G Swup FU application. Application require a USB cable connection.

## **2. Preconditions**

PC operating system Windows 2000 or Windows XP  
USB cable.

## **3. Delivery Content**

3GSwupFU installer, for installing and removing the 3GSwupFU, including USB drivers and QPST Server.

### **Example of the installer name:**

W5V0\_1040.1246\_13609\_de-BRDHandel\_04\_0070\_QGWFK.exe

## 4. Using the packet

### Important notes:

1. Before launching the packet please make sure that all applications using COM/USB connections are turned off. It is especially important in case of applications that are scanning COM/USB ports, searching for connected devices. Such applications can interrupt connection with a mobile. Please be aware that in case of some applications (like Mobile Phone Manager) simple switching off is not sufficient. MPM after closing leaves some additional processes working in the operating system. To make sure that the packet will work in the correct way all these processes need to be disabled.

List of processes of the MPM that should be killed from the task list:

- PHONES~4.exe
  - SCONTA~1.exe
  - SPHONE~1.exe
  - SCfgSrv.exe
  - DESPROXY.exe
2. In case of using Windows 2000 please make sure that there is Service Pack 4.0 in your operation system installed.
  3. It is not possible to upload the software version 1.1 or later to the mobile with a software version 0.8 or older, using this packet. If needed, such operation can be performed by developer's version of the 3GSwup, but it needs steps that are not included in friendly user delivery.
  4. It is strongly recommended to avoid using docking stations for Software Download.

During installation of the packet, shortcut on the desktop will be created. Packet for uploading the software should be launched using that shortcut.

## 5. Graphical User Interface of the 3GSwupFU application

Upon launching 3GSwupFU the following GUI will be shown.

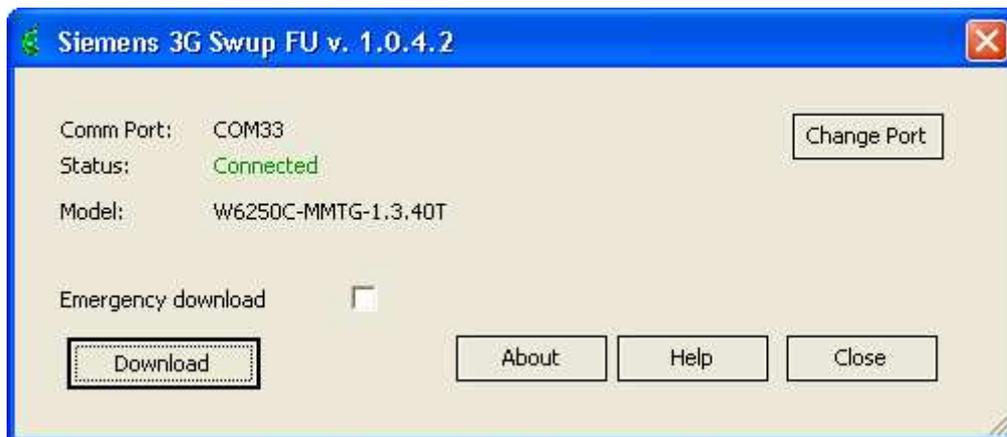


Figure 1: 3GSWup GUI

The tool will automatically look for a connected device on the USB ports. Status will change from "Disconnected" via "Connecting ..." to "Connected". If after one or two minutes phone will not be recognized, please make sure that phone is on and COM/USB cable is connected in the proper way. If tool still was not able to recognize the phone, please take off the COM/USB cable and plug it in again. Please remember that you can always choose the phone by clicking "Change Port" button and selecting the COM/USB port from the list.

Above the status user can read the number of the COM port on which mobile was found.

Additionally user can read version of the software that is currently in the mobile and version of the software that is going to be loaded to the mobile.

Possible actions:

- user can see the this documentation in .pdf format by clicking "Help" button,
- user can see the about window by clicking "About" button,
- user can change automatically chosen port by clicking "Change Port" button and selecting new port from the list of possible ports,
- user can close the application by clicking "Close" button,
- user can start the download process by clicking the "Download" button,
- user can perform emergency download by checking "Emergency download" checkbox and selecting the COM port from the list of possible COM ports. Emergency download is a download operation without changing mobile mode into download. It can be performed if during previous download any problems interrupted downloading the amss file. Mobile in such case should be by default in download mode because only bootloaders should be active.

## 6. Updating the Software

**Note:** It appears that the update process runs more stable if you reboot your device before starting the update process. It is therefore recommended to reset the phone before launching 3GSwup.

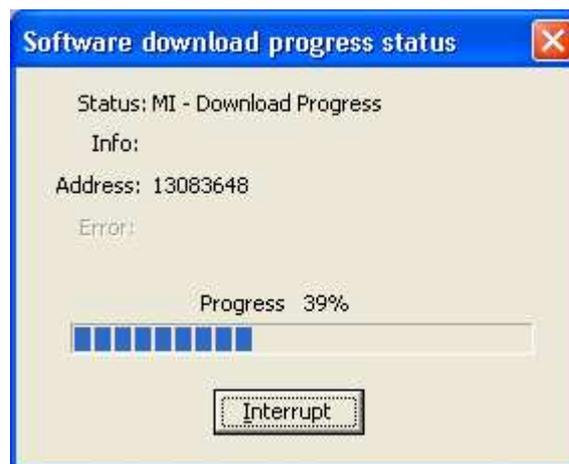
1. Make sure that your battery is charged at least 25%
2. Launch packet and start via it 3GSwup application and you will see the GUI as shown in 1:  
3GSwup GUI
3. Wait, until "Connected" message is shown
  - a. Note: the application will look for a connected mobile automatically
  - b. If it does not find any port then user can choose it manually by click on "Change Port"

4. Launching 3GSwupFU by Startup application the software download is performed automatically just after a mobile is detected,
5. At the beginning the following progress status will be show. “Jumping to download mode...” takes about 15 sec. to allow switching into the download,



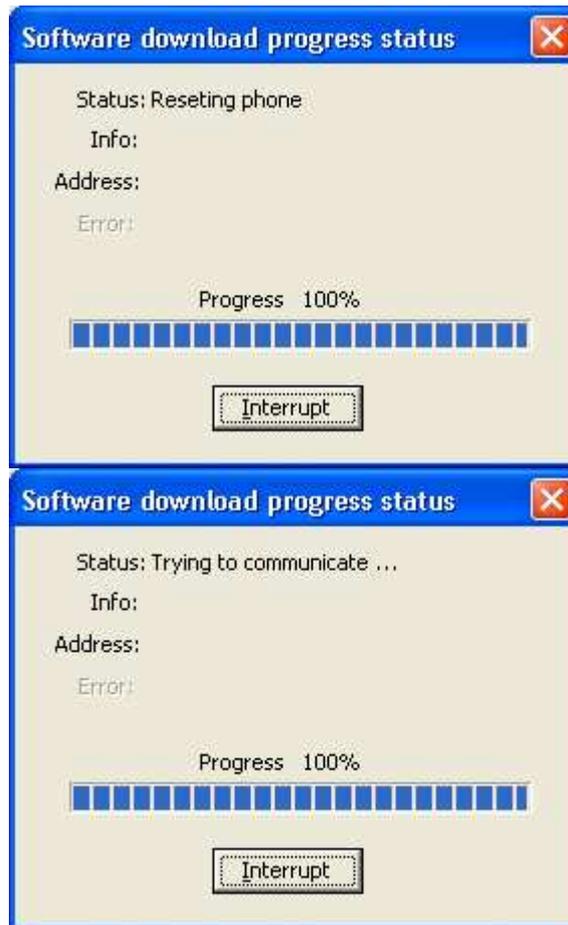
**Figure 2: Jumping into the download mode**

6. Next window shown will inform you about the progress of the download process.



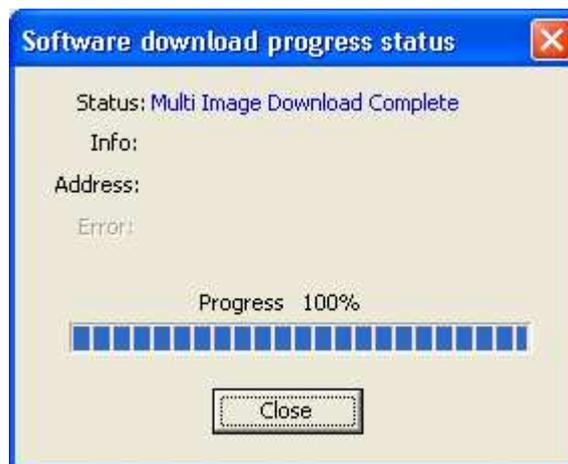
**Figure 3: Download process progress**

- a. Dependant on the file size this process can take 3÷4 minutes
  - b. Do not interrupt the download process by disconnecting the phone
7. When the download process is finished the phone will be reset
    - a. Upon reset you will see the following message while the application tries to re-connect to the phone



**Figure 4: Restarting the mobile**

- b. Upon successful re-connection you will see the "Complete message" ...



**Figure 5: Download process completed**

- 8. You have now updated your device and all your device specific data are restored.
- 9. Just after proper download the application is closed

10. Sometimes you can get an error during performing software download e.g. by accidentally disconnecting or by other software problems like below



**Figure 6: Download failed**

In such case you should repeat the whole process from the beginning but you have to restart mobile by putting batteries off while it is disconnected. Then you should select "Emergency download" check mark and choose appropriate comm. port with mobile connected to. Next you can download software again.

## 7. Installation

For convenient installation and reinstallation, 3GSwup/DUCK packet delivery contains an installation wizard. Launching .exe will guide you through the installation process. User should have its phone unplugged during installation process.

1. Launch .exe file...



**Figure 7: Installation wizard, invitation window**

... and click next button

2. Select folder where the tools should be installed ...



**Figure 8: Installation wizard, choosing the path**

... and click next button.

3. Upon next-button installation process checks if any data exist in the target directory and flowing message could be shown. It can mean probably that there is another package already installed.

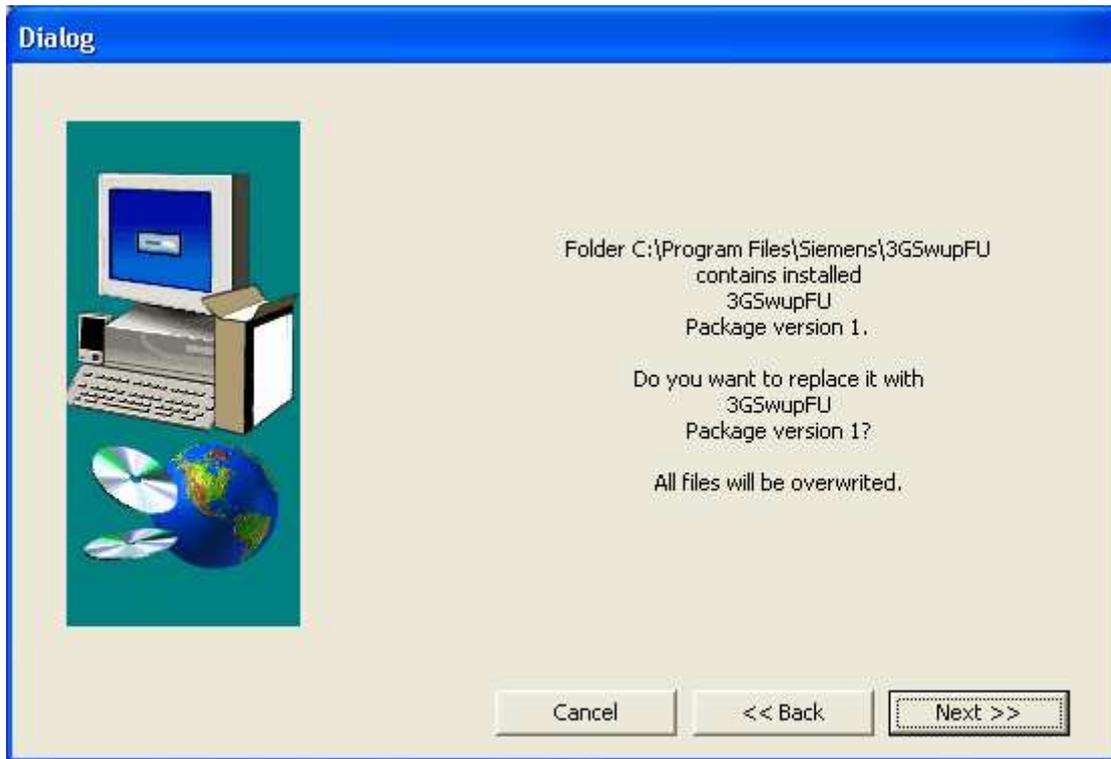


Figure 9: Warning if any is already installed

5. Upon next-button installer asks for shortcuts

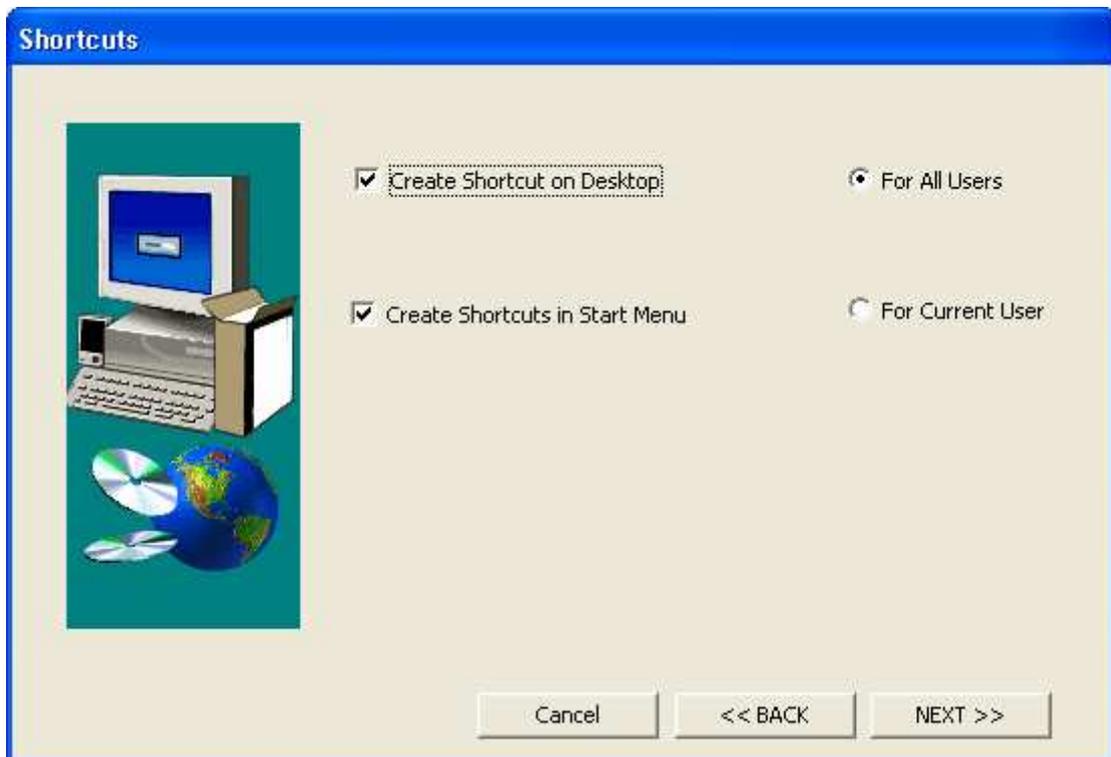


Figure 10: Shortcuts

6. Upon next-button installation process is started

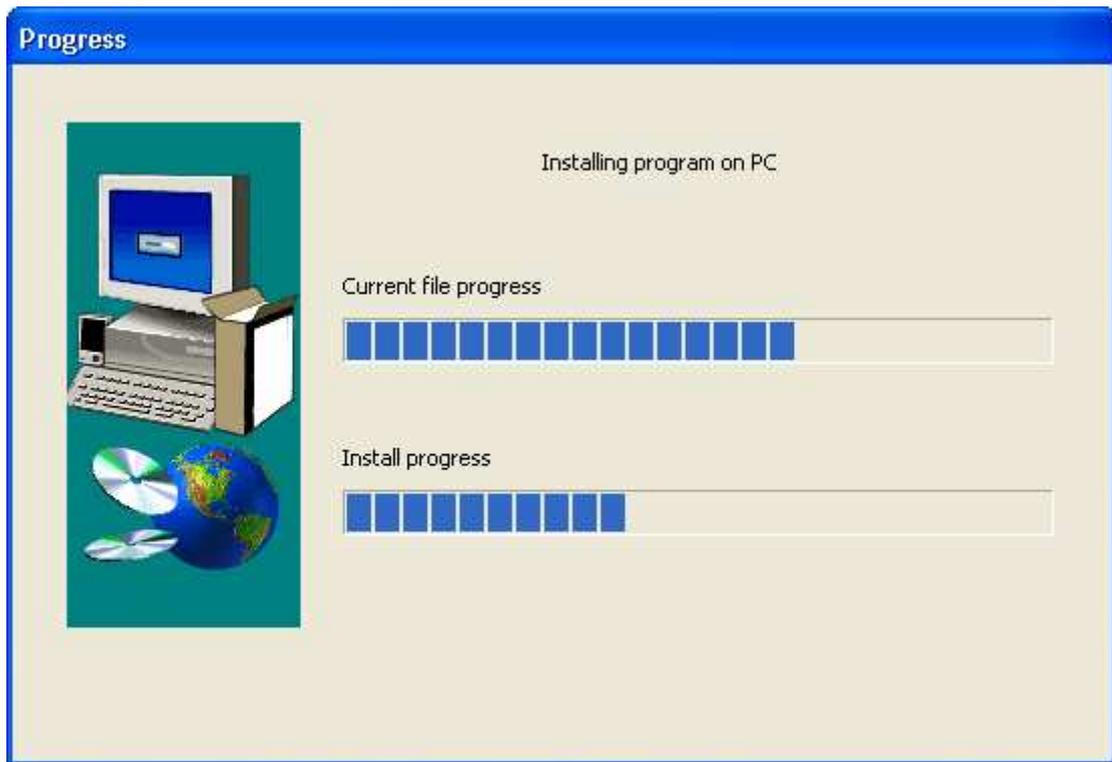


Figure 11: Installation wizard, progress of the installation process

6. Choose, whether you would like to install the USB 2.0.25 driver and whether to uninstall the former one.



Figure 12: Installation wizard, USB driver installation dialog

6a) If you have chosen “Remove” option then USB drivers will be removed from system permanently and you have to install it again. You can choose both options “Remove” & “Install” but if your USB driver is up to date then there is not any need to update it.

6b) If you have chosen to install USB driver you will see the following screen

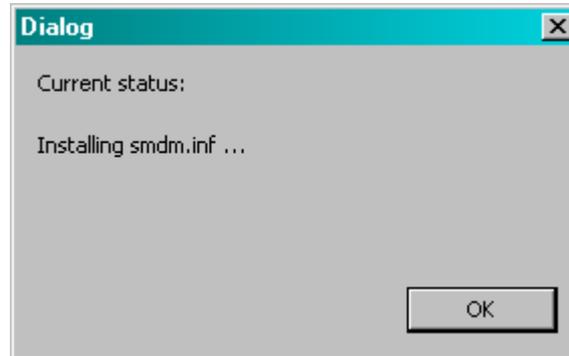


Figure 13: Installation wizard, USB driver installation progress

6c) 3 times you will be asked to continue the installation process. Just click “Installation fortsetzen” button to continue the installation process.



Figure 14: Installation wizard, verification of the USB driver

6d) Upon installation you the following message is shown.



Figure 15: Installation wizard, installation of USB driver completed

Click “OK”.

7. Installation is completed

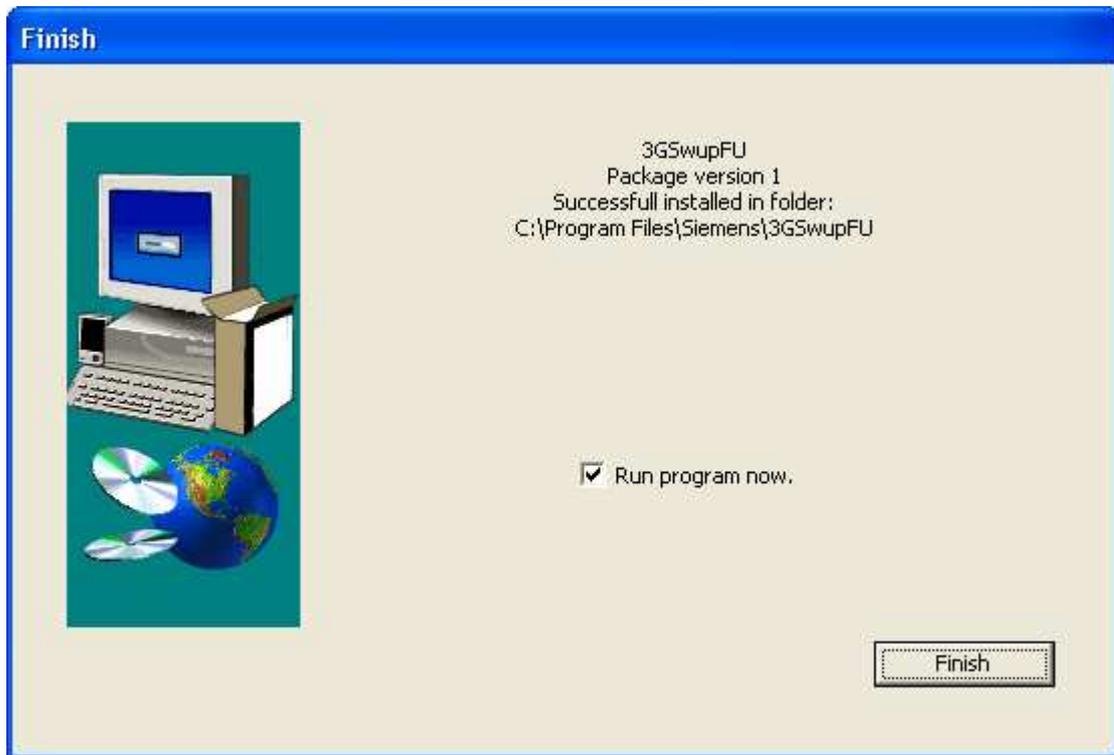


Figure 15: Installation wizard, installation completed

**After finishing installation process please reboot your workstation for completing USB driver installation.**

After rebooting, please connect your mobile. After recognizing USB device second step of installing USB drivers should take place. User will need to confirm once again the 3 USB drivers.