

The linear flash memory uploader allows flash memory to be upgraded with revised modem firmware. This process transfers (uploads) the upgraded modem firmware (data) from the host computer to the ISDN-modem which transfers the data to the flash memory device.

When the AT**FLASH command is issued, the modem firmware boot loader is invoked and the user will then load the new modem firmware which the flash memory uploader will then program into the flash memory device. This transfer is done via the 1K X-Modem protocol.

1. Put the new modem firmware file (i.e. AL5068S V1.13.txt) in an appropriate directory on the computer's hard disk.
2. Configure the communications application program (HyperTerminal) for a DTE rate of 115200, 8N1 and RTS/CTS flow control. An upload at 115200 bps will take approximately 1 minute. Select 1K X-Modem as the file transfer protocol.
3. Disconnect the ISDN S0 Cable from the modem.
4. Check the modem for response by typing AT.
5. Initiate the download process using the AT**FLASH command. The following messages appears upon issuing the AT**FLASH command.

Start your 1k-XMODEM transfer now (Ctrl-X aborts)..

6. Perform an 1k-XMODEM transfer of the firmware file (i.e. AL5068S V1.13.txt) from the host computer to the modem RAM using an industry standard communications software (ensure that all ASCII translation or pacing is turned off).
7. After the firmware file has been loaded successfully it will start automatically after a software reset and the following message appears:

OK
8. Check the new firmware version with ATi3.
9. Due to firmware changes and new functionalities the stored configuration in the Eeprom may be lost. Therefore check the configuration before use.

Upload Problems:

Due to any errors it can be possible that no firmware is active after the upload procedure. To restore the firmware correctly you have to re-enter the command AT**FLASH and load the firmware as described above. The protected boot-loader supports only the AT**FLASH command with a fixed baudrate of 115.200 Baud.

DOCUMENT NR. AL5068S-TLH-100

VERSION	DATE	NAME	REMARKS	PROJECT
1	13.10.07	AB	AL5068S Firmware update	AL5068S
15.01.09			1	AL5068S-FLH-100