



Instructions for firmware upgrade for the 3000/3100 series.

**Before starting, store the firmware on the hard disk and unzip the zipped file. (Store in a directory where you can find it back)**

The latest firmware can be downloaded from

<http://www.omnistar.nl/DOWNLOAD/040103.zip>

Connect the PC with the command port of the receiver. For 3000 receivers a special command cable is needed with an Telephone RJ45 connector and RS232 connector. (See Appendix A). for the 3100 receivers a standard serial cable works.

The kernel is firmware version 040100100

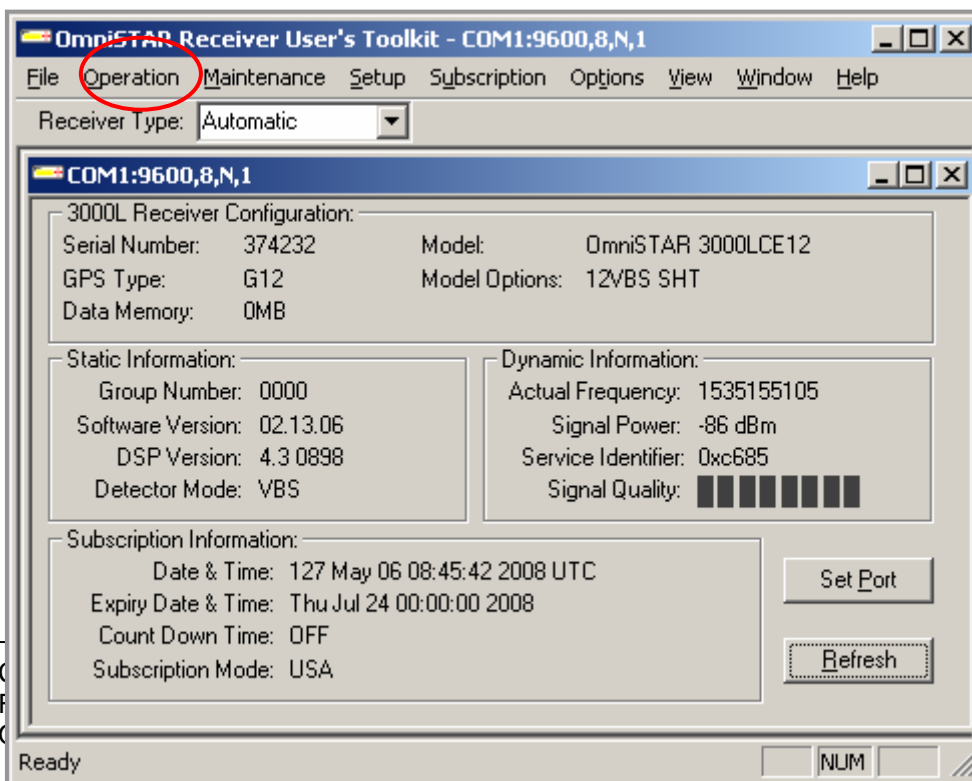
This paper describes how to perform the Firmware upgrade for the OmniSTAR receivers of the model 3000 and 3100.

Use the program HyperTerminal and the program User's Toolkit. The User's Toolkit will be used to change the baud rate of the com port and the program HyperTerminal will be used for the Upgrade itself.

The usertoolkit can be downloaded from

<http://www.omnistar.nl/download/toolprograms/usertk.zip>

Start the program User's Toolkit

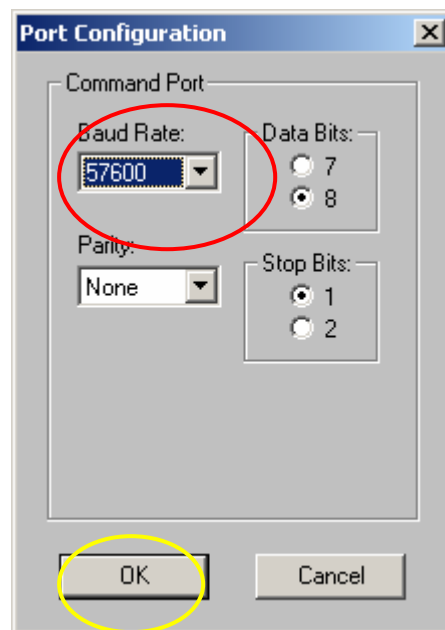
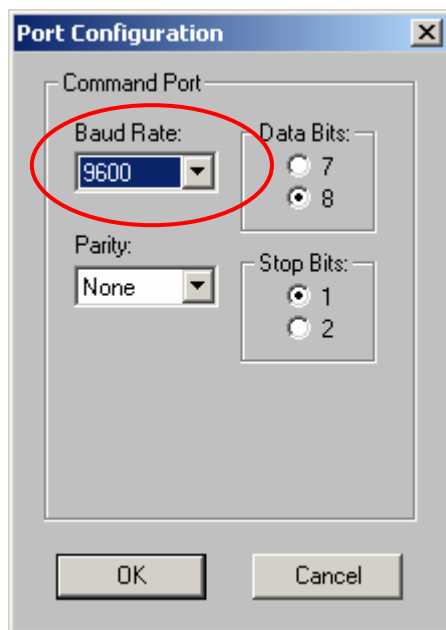


Click **Operations**.

Click Port Settings

Click Command port

Change Baud rate from 9600 in 57600



Click on OK

[Start the program Hyper Terminal](#)

[Hyperterminal is part of windows and can be found under](#)

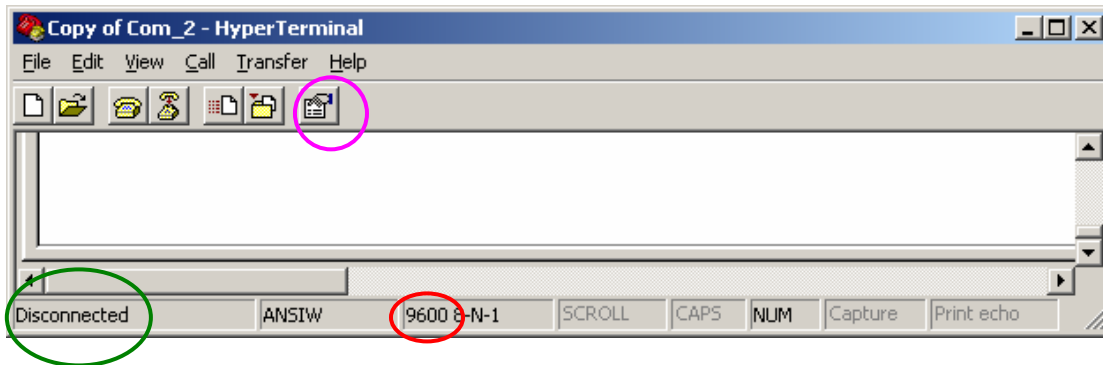
[START, All Programs, Accessories, Communications, Hyperterminal.](#)

[If not available it is not installed. Use the windows CD to install Hyperterminal.](#)

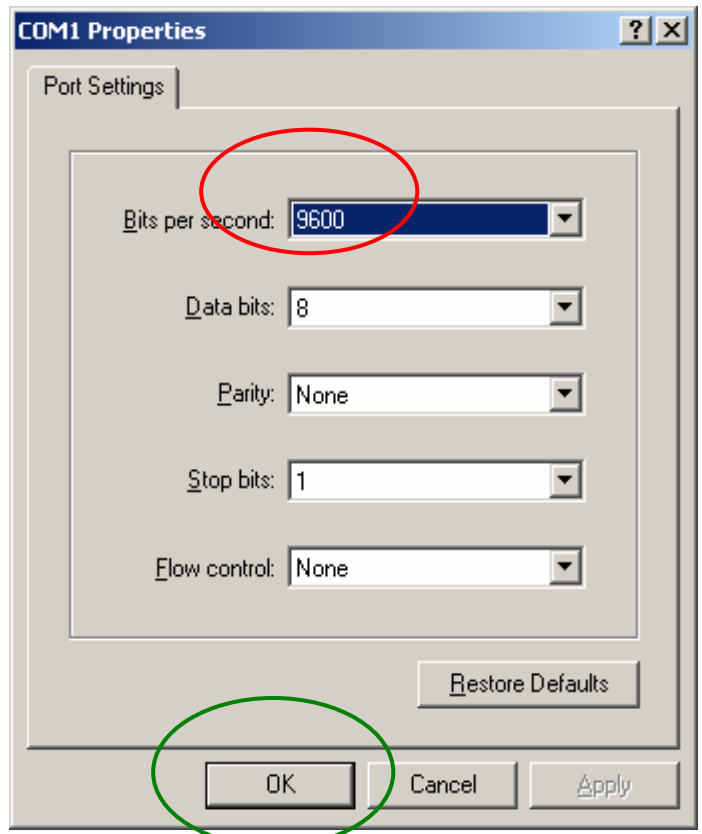
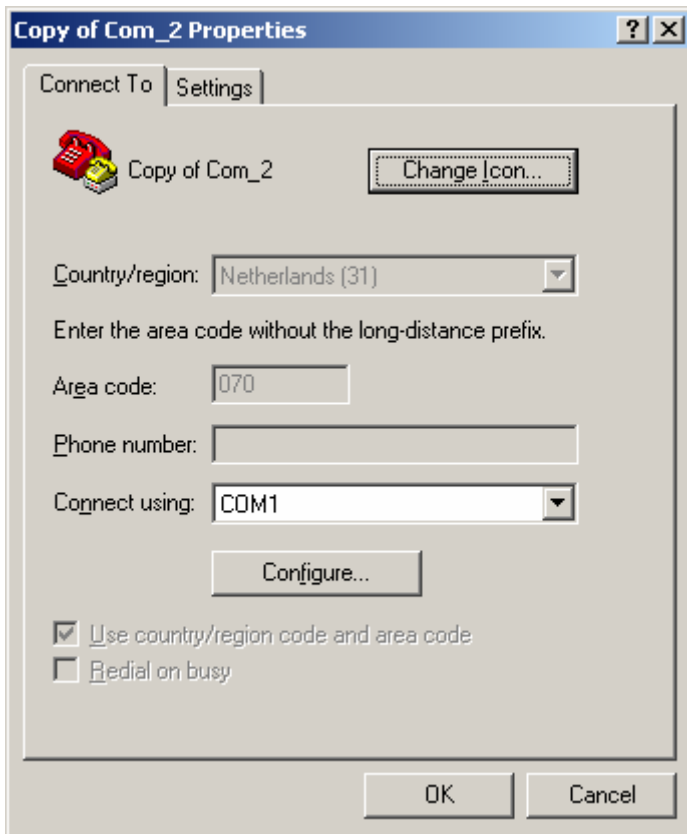
**OmniSTAR B.V.**

Dillenburgsingel 69  
2263 HW Leidschendam  
The Netherlands

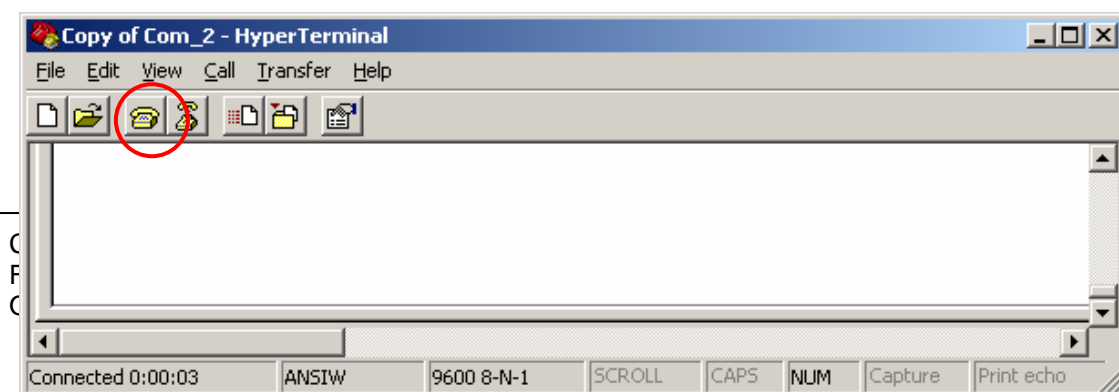
Telephone : +31-70-31 70 900  
Telefax : +31-70-31 70 919  
Email : info@omnistar.nl



Check baud rate. It is not 57600? In example it is **9600** Change it to 57600  
Click on **disconnect** click on **properties**

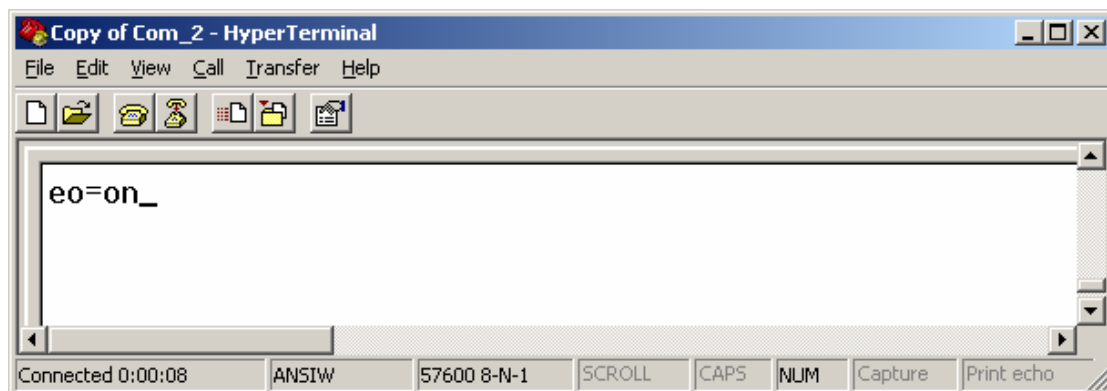


Click on Configure and change **Bits per second 9600** in 57600 and click on **OK** and again OK

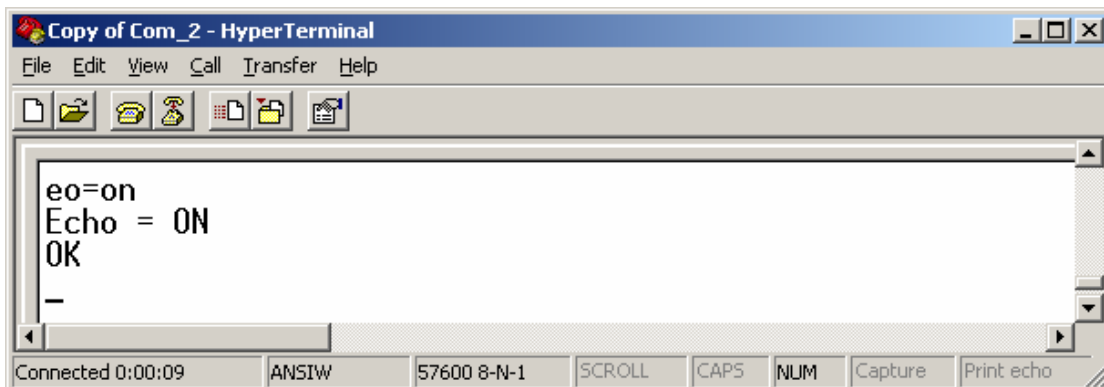




Click on **call**

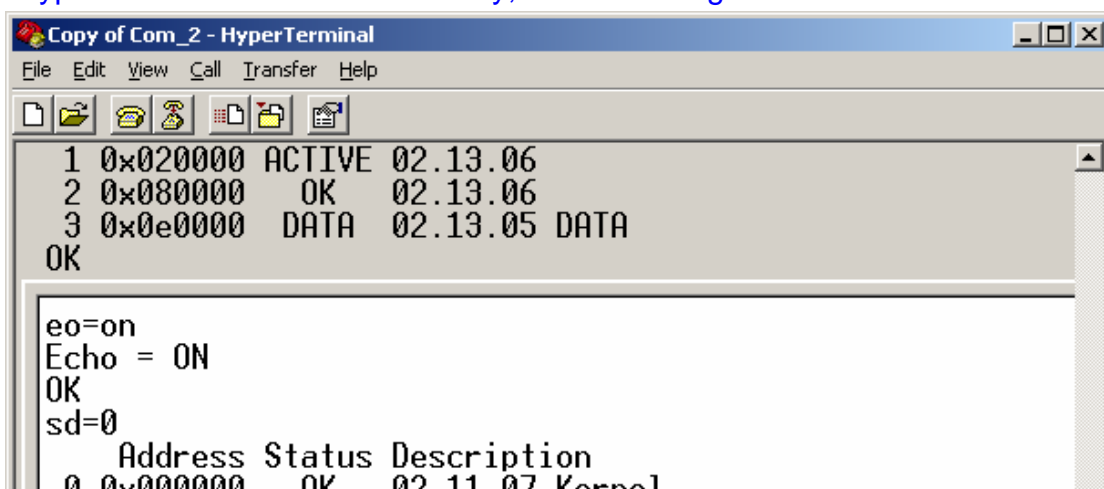


Type `eo=on` and click the enter key on your keyboard. (`eo`=Echo on)  
Respond is:



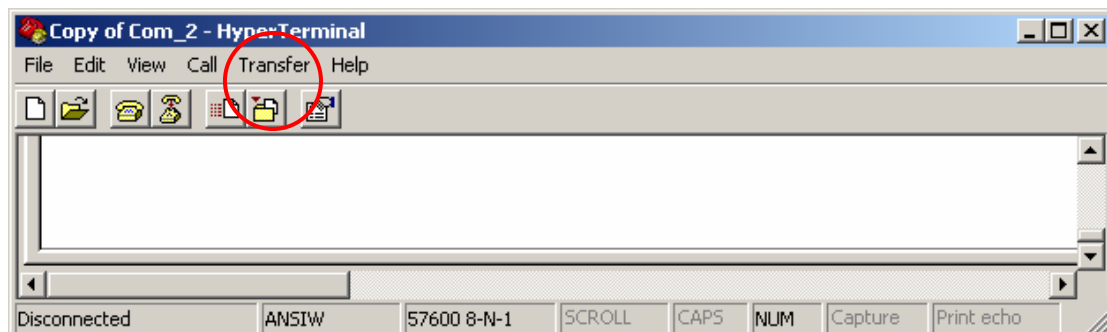
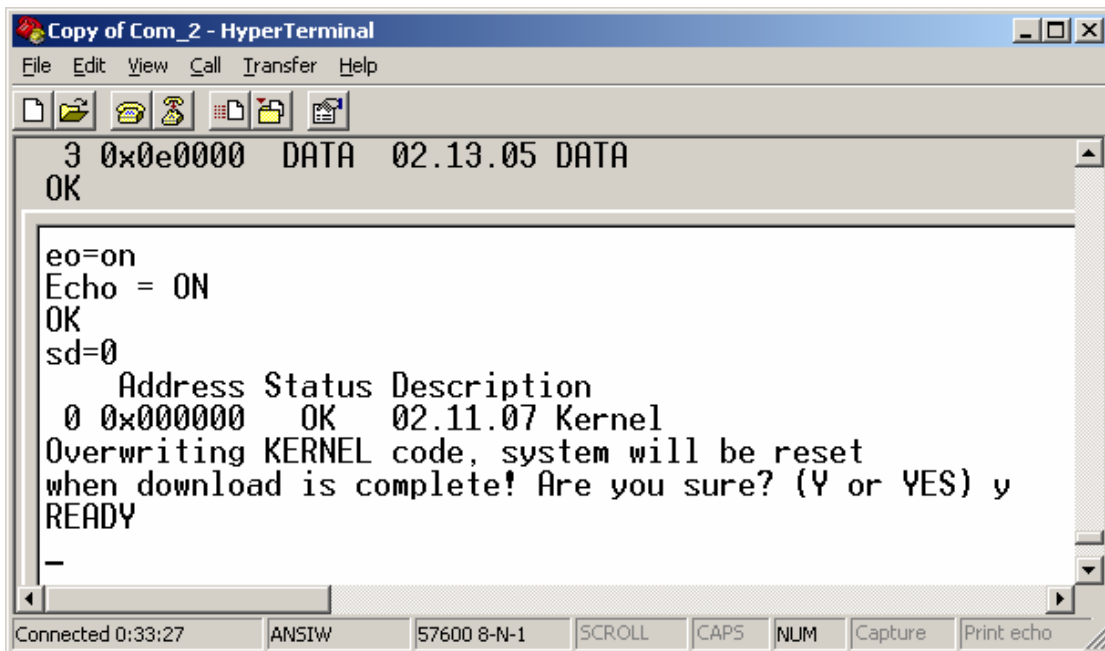
There are 4 memory areas that do need new firmware. Starting with area 0 (the kernel)

Type `SD=0` and click the enter key, this will change the kernel





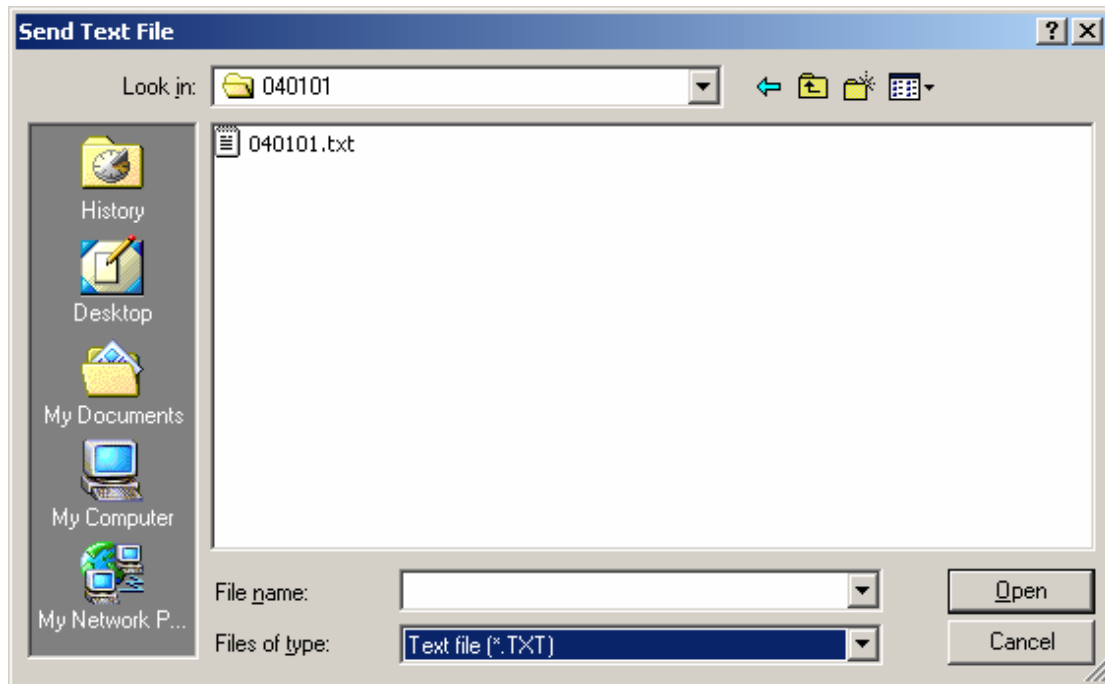
Click "Y" and "enter key", wait till you see:



Click on **Transfer**  
Click on Send Text File...

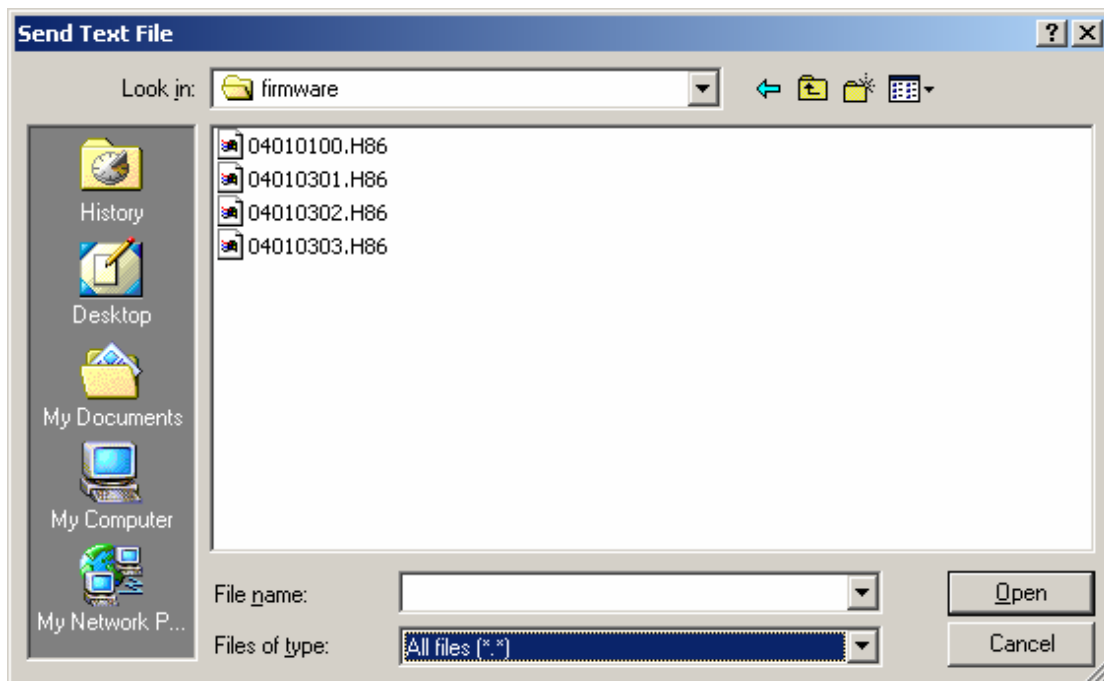


Now go to the directory where you stored the Firm Ware



Change Text file (\*.TXT) in: all files

Now you can read the firmware for all area's

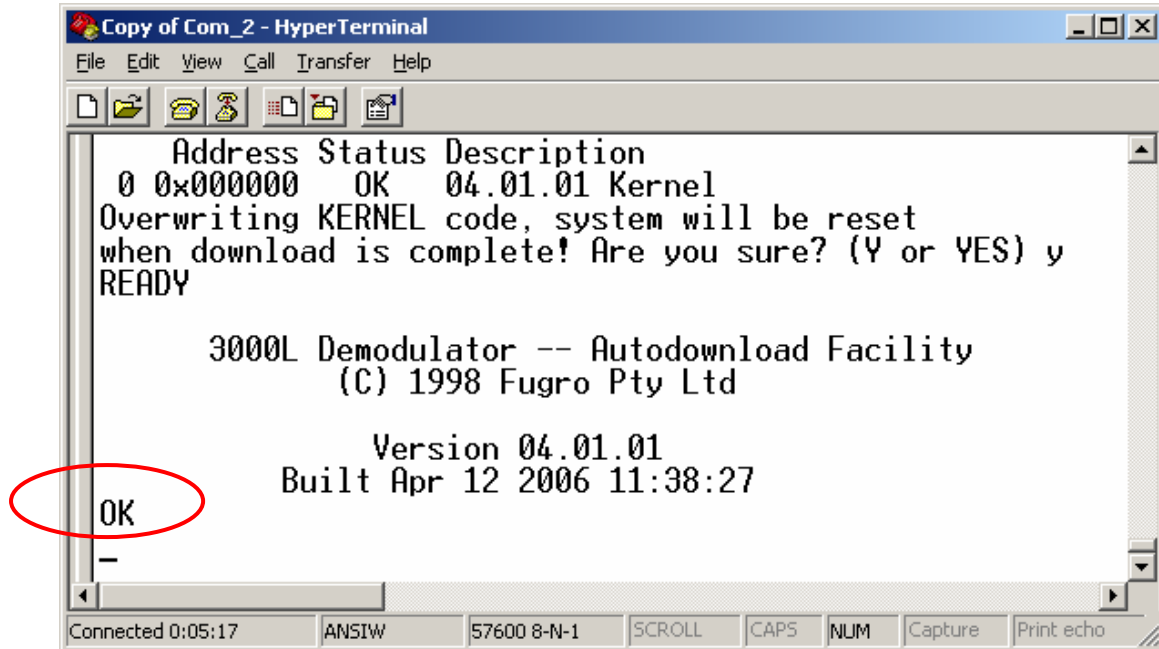




Double click on 04010100.h86

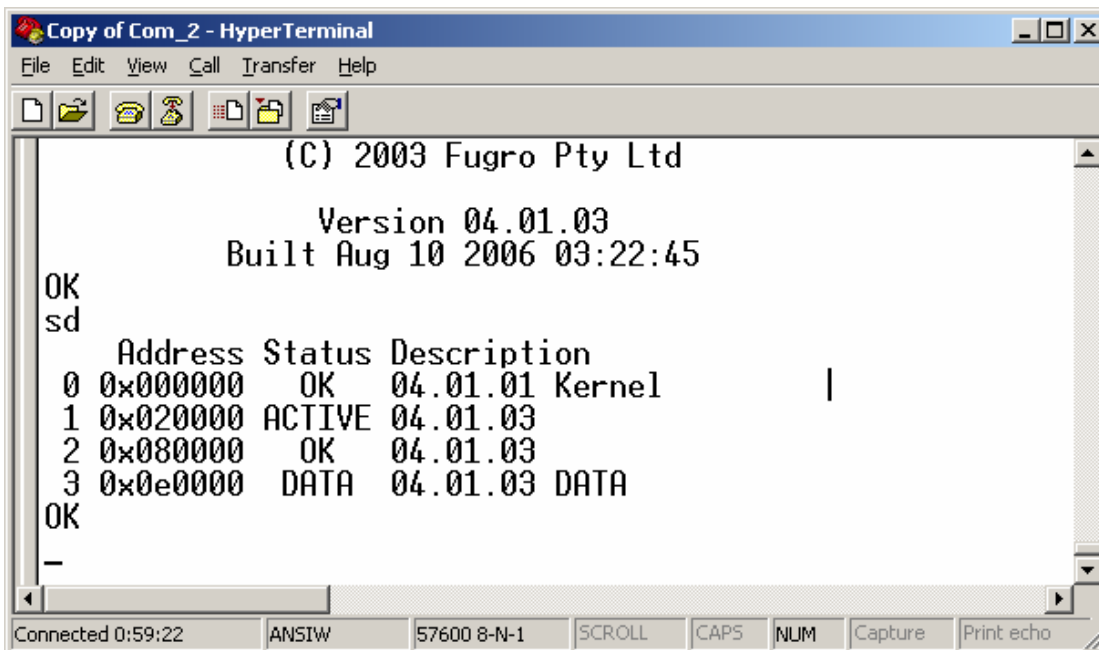
After a while you will see the next screen.

It is very important that you see **OK**. Don't proceed before you see OK, because disconnecting the receiver to early will kill the receiver.



Now repeat the same procedure for area 1 to 3

When the last area has been upgraded you type SD and Press Enter. When the upgrade was success full you will see:



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**Omnistar B.V.**

Dillenburgsingel 69  
2263 HW Leidschendam  
The Netherlands

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After the upgrade procedure please set the baud rate of the command port back to the same value as were you started from, using the program Users Toolkit.



Appendix A Command cable for 3000 receivers.

