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ENGINEERING BULLETIN

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This Bulletin also applies to ROS Steps 4 and 6

Engineering Change:

Downloading (Exporting) Data from the Xpert Log Files Using Xterm

System: Xpert, XDark and 9210 Data Collection Platforms

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Background: Recently, there has been a great deal of confusion regarding downloading
(or exporting) data from LOG files from the Xpert/Xpert Dark/9210. Several contractors
have simply been copying the LOG files from the Flash Disk and Storage Card memory
on the Xpert, and while it is possible to recover data from these copies it does require
additional specialized processing to retrieve the data. The purpose of this document is to
clarify how downloads should be done from the Xpert family of DCPs.
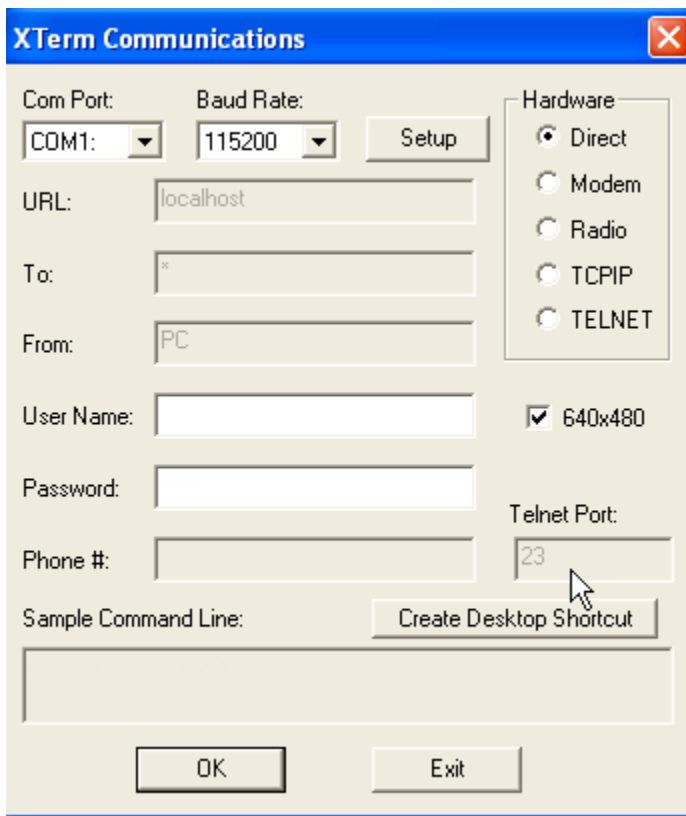

There are two methods to properly download data from the Xpert, the first requires the
use of the Xterm GUI Screen PC terminal program, and the other can use any terminal
program that can save a file such as Procomm. This bulletin covers the preferred Xterm
downloading method.

Using Xterm

Step 1

1. Start Xterm on your computer and when the Xterm Communications screen opens select the correct COM Port for your computer and the baud rate for the Xpert. In most cases the baud rate is 115200; however some Xpert COM1 ports are set for 9600 baud. For those computers that don't have a serial port you will need to select the correct port in Xterm for the USB port that has the serial adapter. Enter the User Name and the correct Password depending on location and user level. Connect your laptop to the DCP COM port

Click OK to log onto the Xpert

Fig 1

Step 2

You can choose either the Retrieval Access or Setup Access tab to obtain the data. In this example, select Setup Access
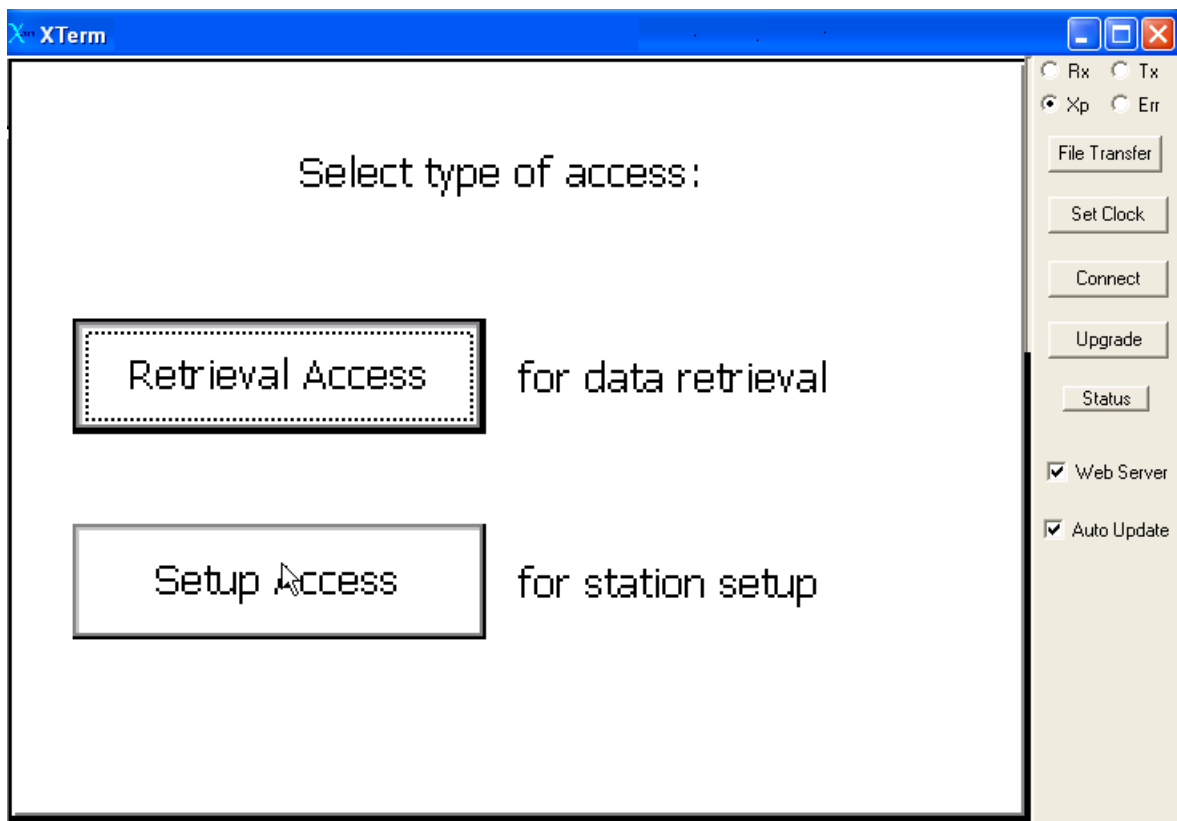

Fig 2

Step 3

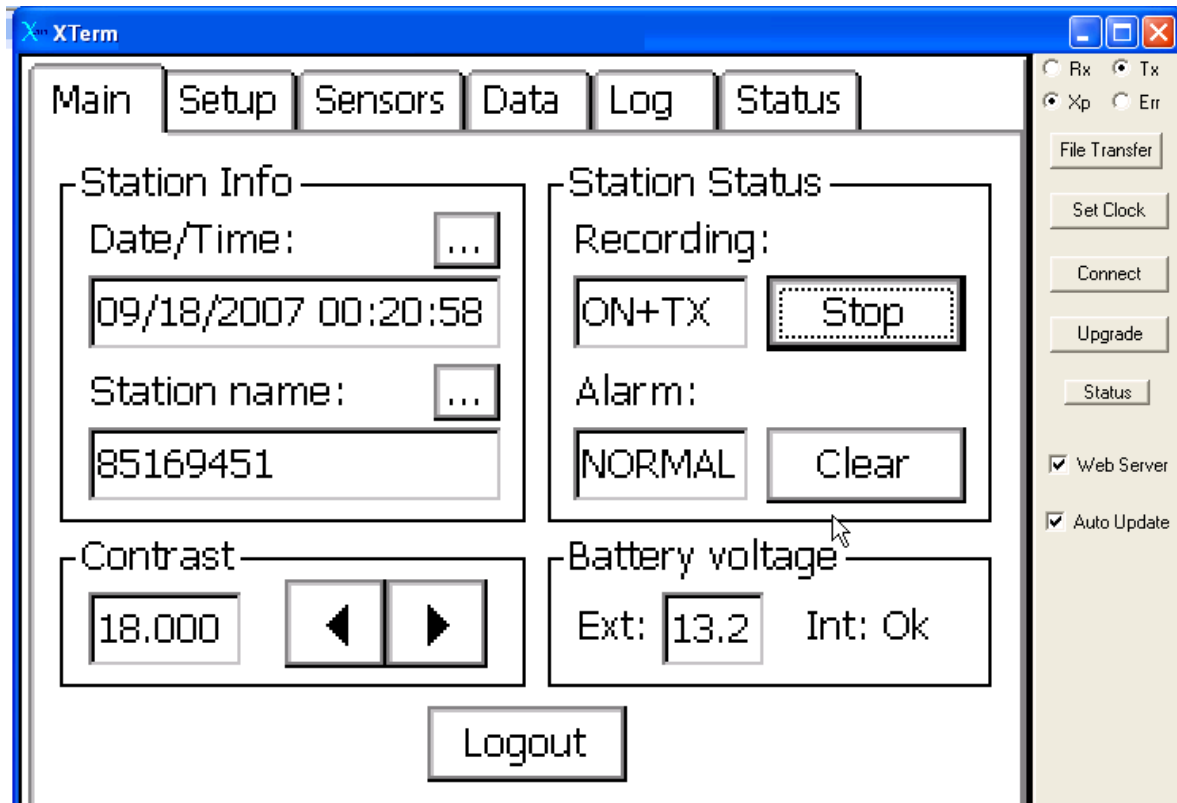On the Main page Click on the LOG tab

Fig 3

Step 4

Using the Down Arrow to the right of the Select Log: Block, select the log file you wish to export from the system. You should be able to select any log file on the Flash Disk or Storage card. For this example we will export the SSP.LOG on the Flash Disk which contains all the data.
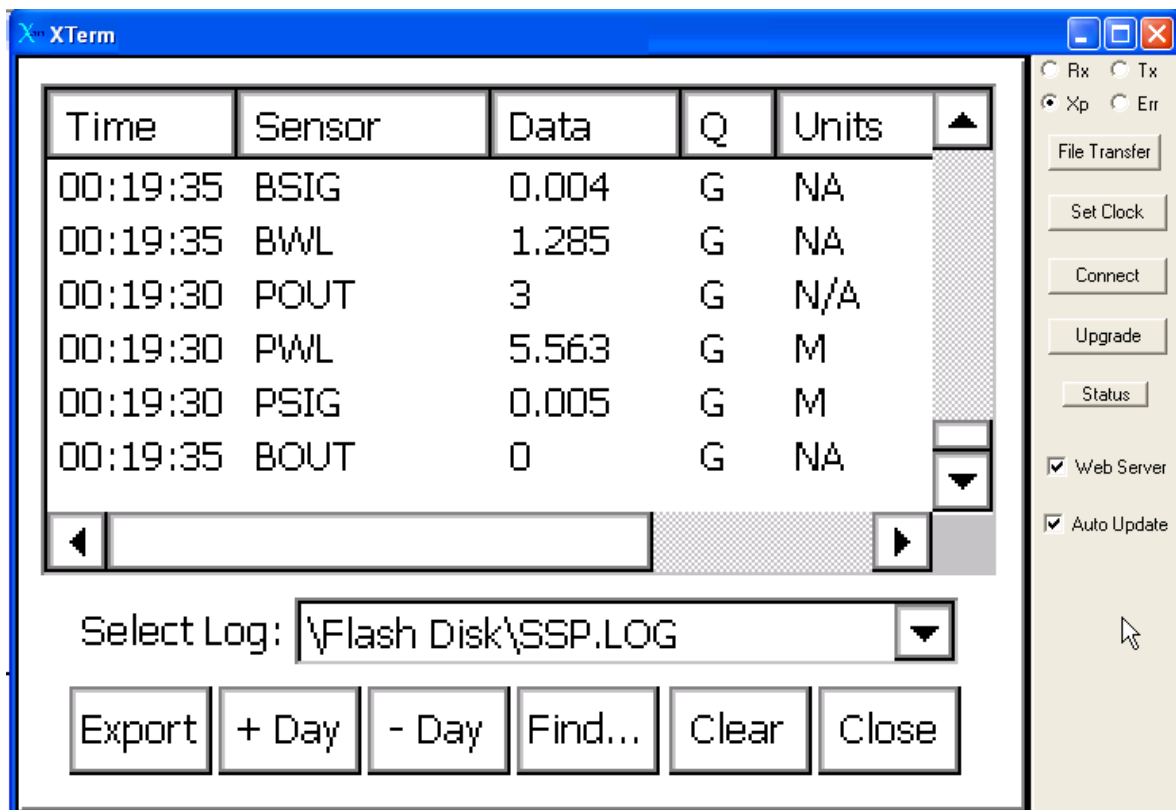
Click on the Export tag

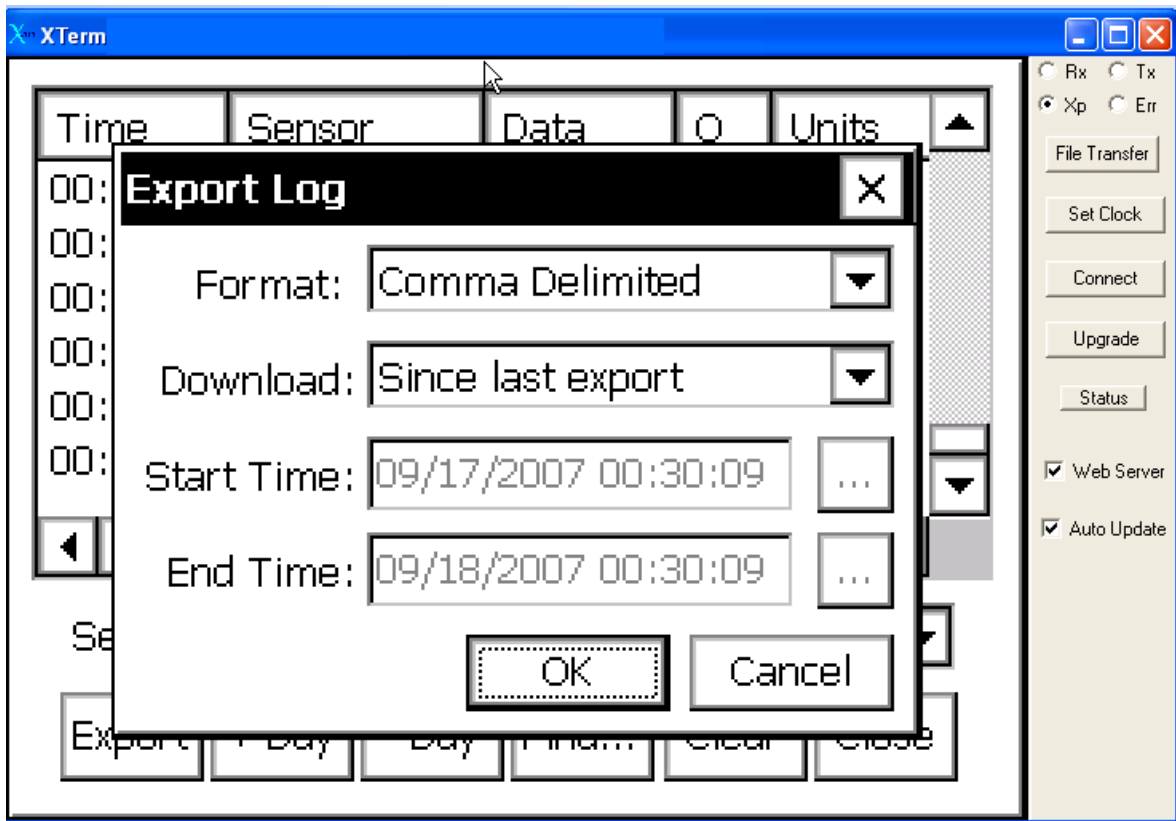

Fig 4

The Export Log screen will appear

Fig 5

Step 5

Format defaults to Comma Delimited. Do Not Change this unless directed.

There are five selections for downloading data, they are:
    Whole Log
    Since last export
    Start time to end time
    Start time to end log
    Start log to end time

Do not use Whole Log unless you know when the log was started. The log may contain old data that was not cleared before the system was deployed and the log may be very large and will take considerable time to download.

For this example we will download the past two months of data using Start time to end log. This means we will enter the time we want to start exporting the data to the end of the log.

Using the download Arrow, select Start Time to end log
In the Start Time block enter the date two months and a day
from today
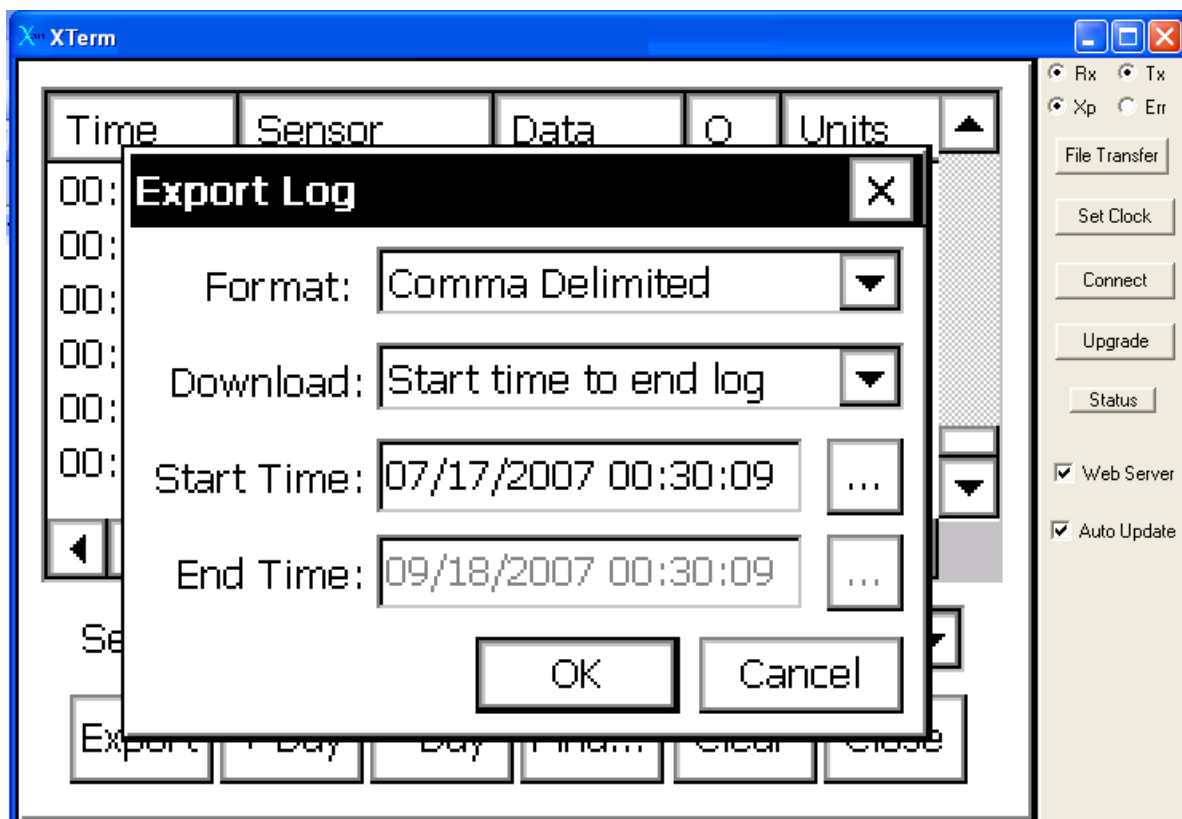
Your screen should look like this

Fig 6

Click on OK

Step 6

The Save As block will appear. Change the file name from SSP.txt to the station number. In this example we used 85169451.txt
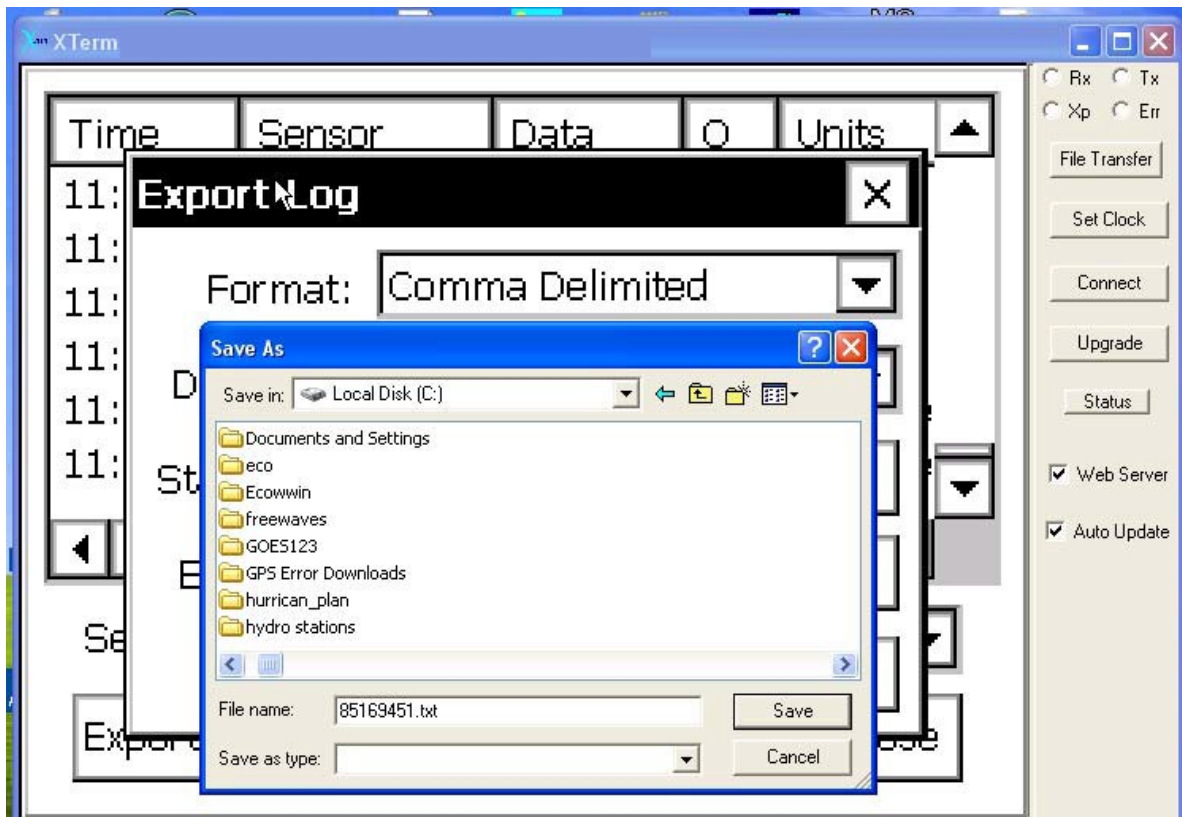

Fig 7

If the system tries to save the file to the Xpert, it will be necessary to close Xterm and restart the software. This is a known glitch with the software which sometimes happens. Sutron is working on a solution.
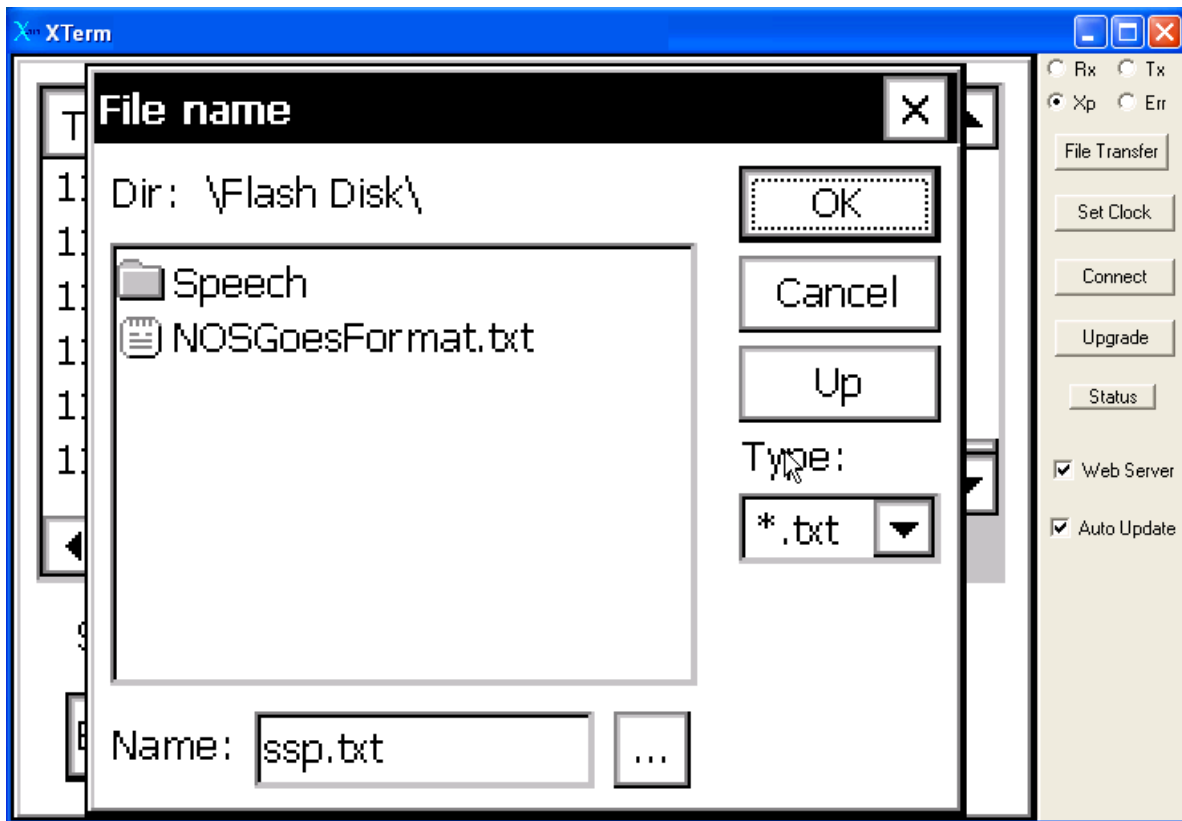

Fig 8

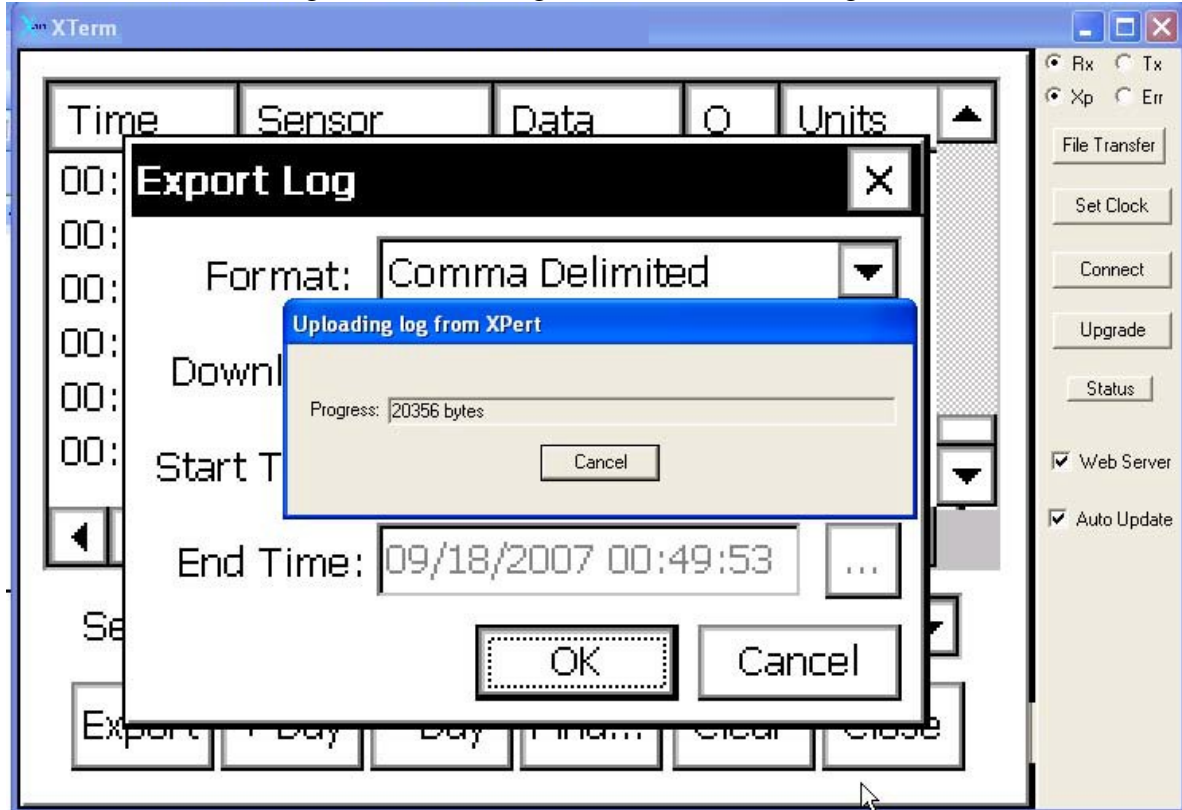You will now see a Progress Box showing how much data is being downloaded

Fig 8

Step 7
When the download is completed, close the Tab, go to the Main Page and log out of the system.

During the downloading you will see data appear on the background screen, this is ok as the Xpert continues to collect data as you are downloading.