

DriveRecorder Server Connection Connectivity features for ES820



Do you know the challenge?

You are a calibration engineer and you want your DriveRecorder to be able to be connected to a server, where you can upload current measurement files and download new experiments, ECU softwares and more.



Our solution

ES820 Server Connection

The built-in client for (S)FTP servers of the Driverecorder can be configured to exchange important files, from the ES820 to server or viceversa.

How does it work?

An example of our solution:

[check whether a new INCA experiment and ECU Software are available and send back the recorded files](#)

Step 1

First of all you have to configure your (S)FTP server and create a folder with the serial number of your ES820 (available on the front panel of the case) and replicate the folder structure of the DR Configurator Tool (see Fig.1).

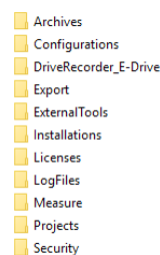


Fig. 1

Step 2

The second step is to configure a router with internet access: Network name, password and eventually default gateway are necessary for the Driverrecorder.

On the ES820 side, you need to install the drivers (Win7E compatible) for your USB-to-ETH adapter:

- download from the supplier website the proper driver
- connect the Ethernet cable CBE250 to the HOST Port of the ES820 and to your PC and the adapter to one USB port
- from the Start Menu launch Remote Desktop Connection tool (Fig.2)
- give the IP address, select the user, and then type the corresponding password
- once logged in, copy the installation file locally on ES820 and run it manually

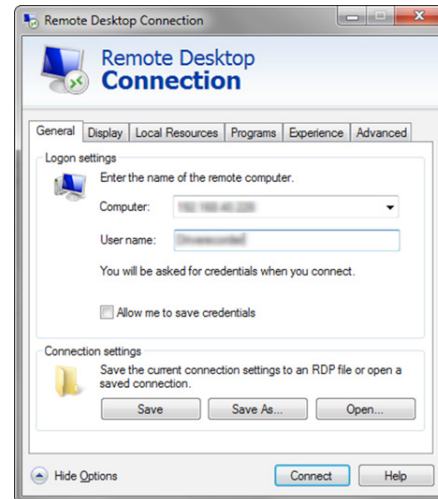


Fig. 2

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Step 3

Now you have to ensure that the ES820 is properly configured to access the new network:

- Connect the Router to the LAN adapter
- Check that ES820 Win7E has properly recognized the new LAN via Open Network and Sharing center menu
- Select the appropriate network and type in the password
- Should the connection be unavailable, please check the IPV4 properties of the network card and finally type a static address for the network and a default gateway (Fig.3)

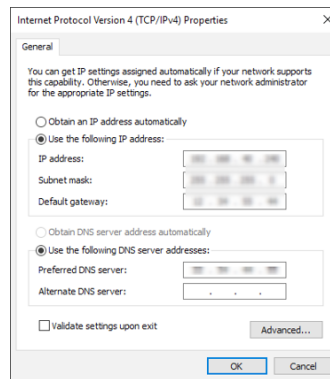


Fig. 3

Step 3.1.

When the connection is proven to be properly established, from the DRConfigurator, select Tool -> Persist Current System Configuration
The ES820 will perform a couple of memory cycles



Step 4

When done, please connect via DRConfigurator Tool to the ES820 and open the Hardware settings:

- Under File Transfer Settings -> General Settings select one transfer condition and provide the relevant Server settings, including the user, and the path where the files will be exchanged (Fig.4).
- Check the connection
- If successful, Apply to DriveRecorder

Note: Do not forget to check the option for the subfolder with the serial number, in particular if more ES820s will be connected to this same directory.

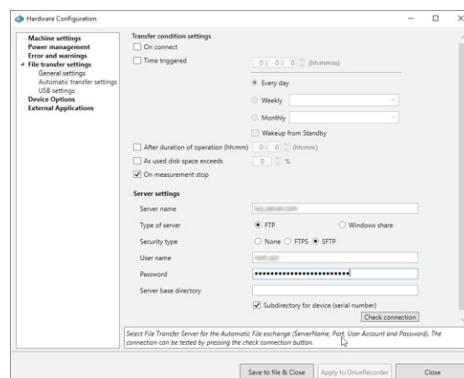


Fig. 4

DriveRecorder Server Connection

Connectivity features for ES820

Step 5

Then go to the File Transfer Settings -> Automatic Transfer Settings (Fig. 5).

- Select the type of files (including the direction) that you want to exchange with the server and the respective settings

In this case, select:

- Measure Data files -> to Share
- INCA Export -> to DriveRecorder

- Check all the file transfer options
- Apply to DriveRecorder

Note: instead of single files, you may transfer an archive containing INCA Exports, Configuration, seed&key and more from the server to ES820.

From now on your DR is connected to the server and is able to exchange data when the connection to the network is available.

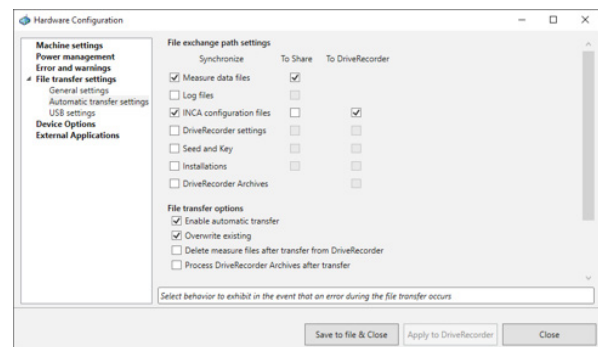


Fig. 5

Note: ETAS is not responsible for the configuration and security of the network connection, as well as for the server. For big measurement data we recommend using the External Memory module with 500GB/1TB space in order to avoid extremely long data transfer time and extremely high UMTS/LTE data consumption.



Tools used

- DriveRecorder Configurator Tool 7.2.15
- ES820 SP15
- 3rd party USB2ETH Adapter
- 3rd party Ethernet cable
- 3rd party LTE Router (e.g. TC MGuard RS2000 4G VPN)

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