	<h1>Technical Bulletin</h1>	Doku. Nr.	Rev.
		B-SRV-001	A3
Prepared by	Working with the stolberg commander	Datum	Seite
HL		05. May 2011	1 / 11

Preparations:

1. Installing the software on your computer:

You receive your copy of the stolberg commander on the product manual CD or at the technical support of stolberg HF_Technik AG.

Doubleclick the file **stolberg commander Setup.exe** and install the software in the desired folder on your computer.

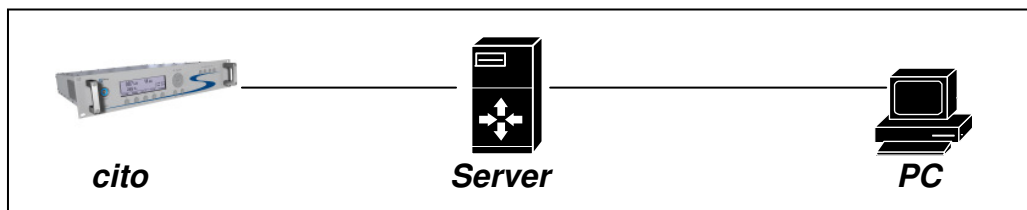


After installation you will find this icon on your desktop:

2. Connecting the generator to your computer:

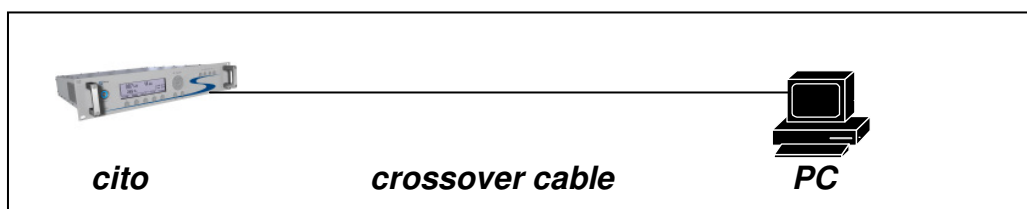
There are 2 ways of connecting a **cito** generator via Ethernet to a PC.

2.1 The **cito** and the PC are both connected to a network with DHCP Server



In this case, the **cito** will get automatically assigned a free IP address within your network, and you can skip the following instruction.


2.2 The **cito** is connected directly to a PC with a Ethernet crossover cable (if you encounter problems with this direct connection, please manually set your computers IP address to 169.254.1.x whereas x must be > 1.)



In this case you need to assign the IP address 169.254.1.1 and netmask 255.255.0.0 to the **cito**.

This can be done via the front panel of the **cito** in the following way:

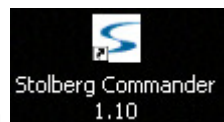
- Switch on the **cito**, and enter the **MENU**
- Now navigate with **3/4DOWN** until you reach **DEVICE**

	<h1>Technical Bulletin</h1>	Doku. Nr.	Rev.
		B-SRV-001	A3
Prepared by	Working with the stolberg commander	Datum	Seite
HL		05. May 2011	2 / 11

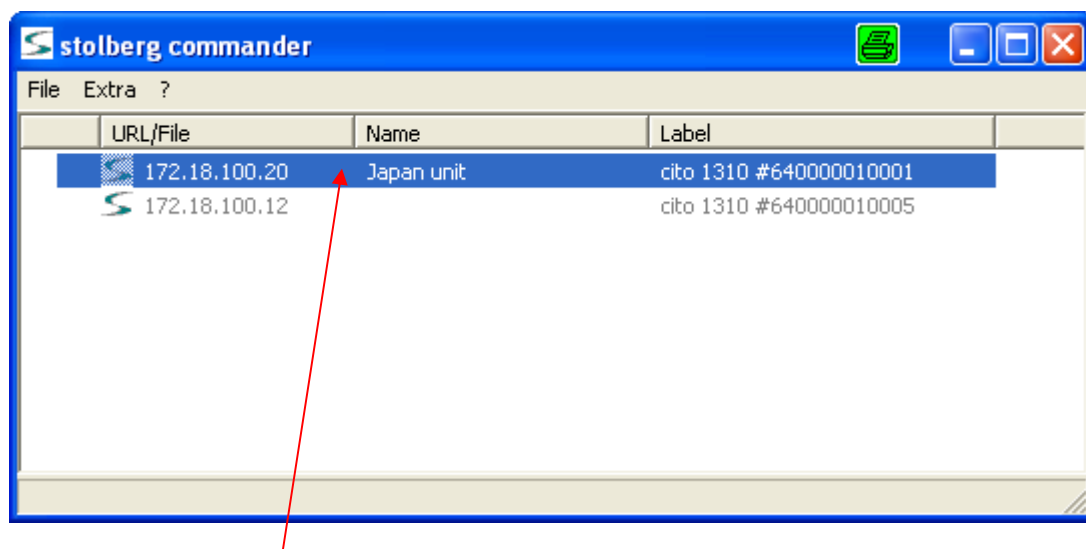
- Press **SELECT** or the **ENTER** Button in the middle of the wheel to enter the submenu
- Navigate with **3/4DOWN** until you reach **ETHERNET**. **1/4 SELECT**
- Select **TCP/IP**
- Select **IP address**
- Enter the IP address 169.254.1.1 by means of the **3/4LEFT** and **1/4RIGHT** buttons and the Wheel
- After completion press the **OK** button
- Navigate with **3/4DOWN** until you reach **NETMASK**
- Enter the Netmask address 255.255.0.0 by means of the **3/4LEFT** and **1/4RIGHT** buttons and the Wheel
- After completion press the **OK** button
- Now the **cito** needs to be rebooted by switching it **OFF** and **ON** again (mains switch)


3. Starting the stolberg commander:

- Switch on the **cito** generator (in case you want to work also on the **agilo** → connect mains power also to the **agilo**, and connect the **cito** and **agilo** with the 9-pin Sub-D interconnect cable)

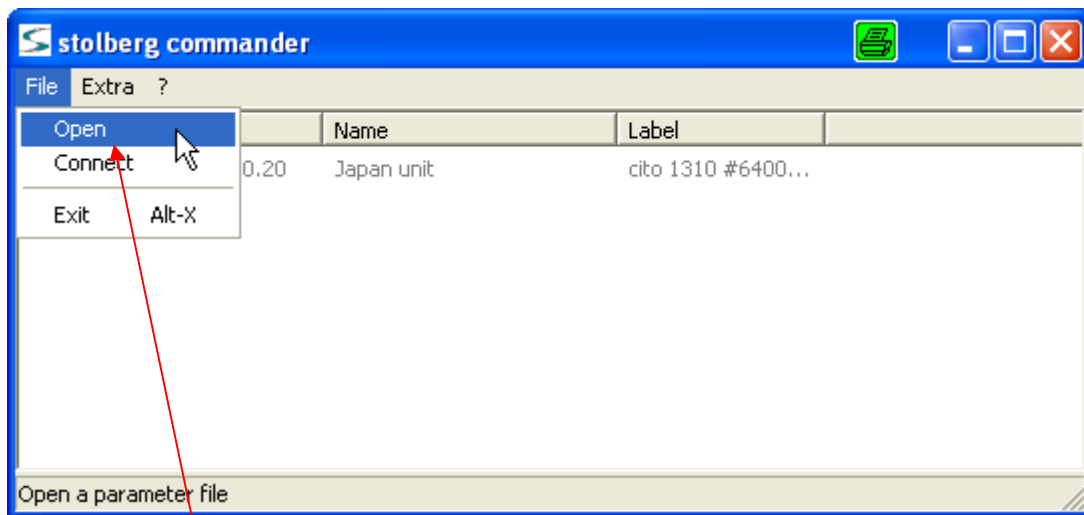


- Doubleclick the icon
- In the upcoming window

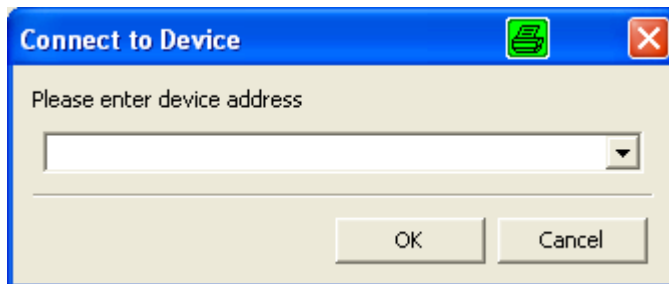


	<h1>Technical Bulletin</h1>	Doku. Nr.	Rev.
		B-SRV-001	A3
Prepared by	Working with the stolberg commander	Datum	Seite
HL		05. May 2011	3 / 11

doubleclick your **cito** generator (the assigned IP address might be different to the one shown in the screenshot) to start the main program of the stolberg commander.
In case you have a blank window and your **cito** is not yet shown, you can also make the connection manually or open a stored file (e.g. to check some parameters).




Click on *Connect* to open a window for entering the IP address of the **cito**.

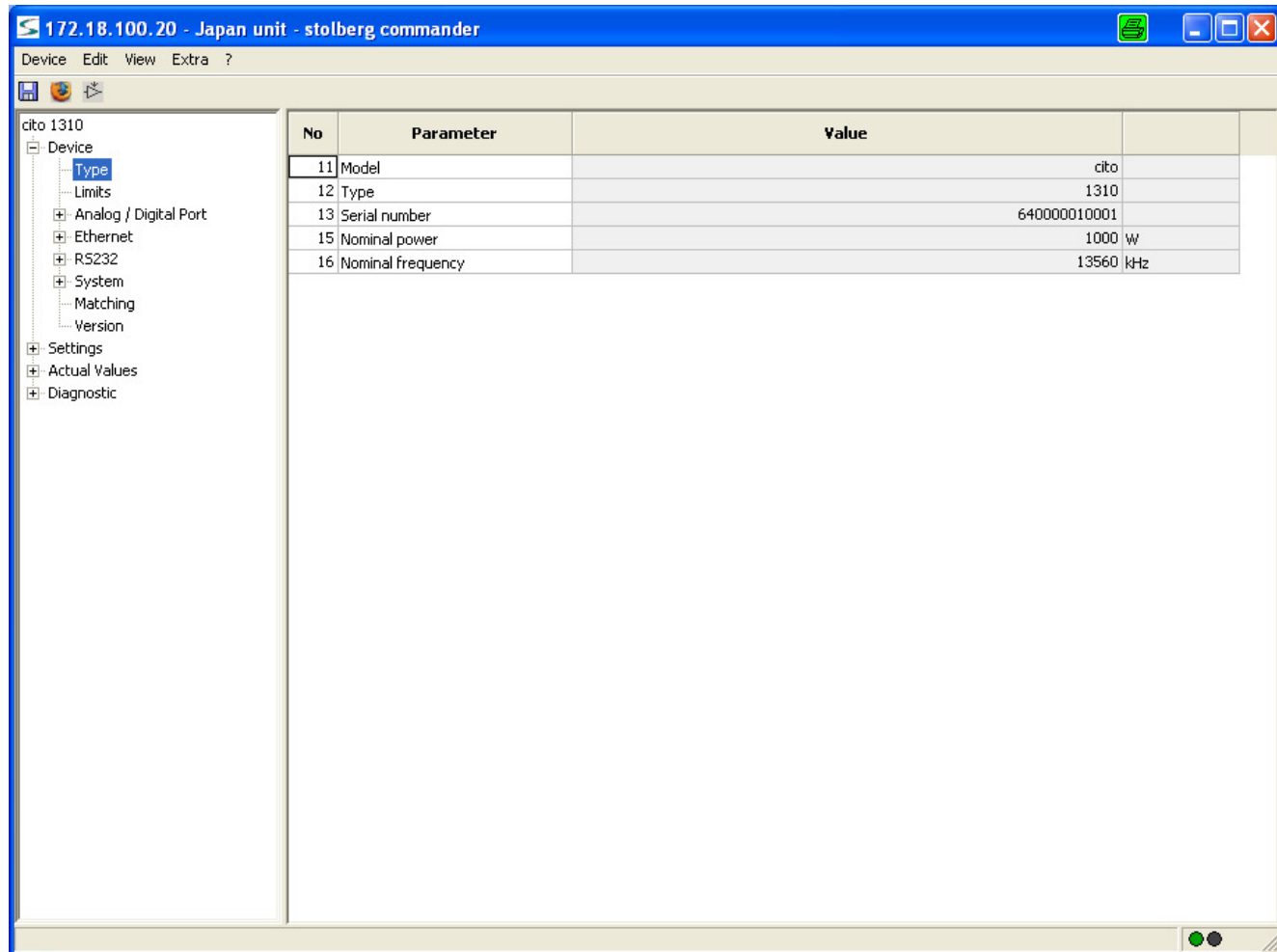


Enter the IP address (e.g. 254.169.1.1 in case of a direct **cito** \leftrightarrow PC connection) and hit OK.

Now you should be seeing the following main window of the stolberg commander.


	Technical Bulletin	Doku. Nr.	Rev.
		B-SRV-001	A3
Prepared by	Working with the stolberg commander	Datum	Seite
HL		05. May 2011	4 / 11

- The main window is divided into 2 sections

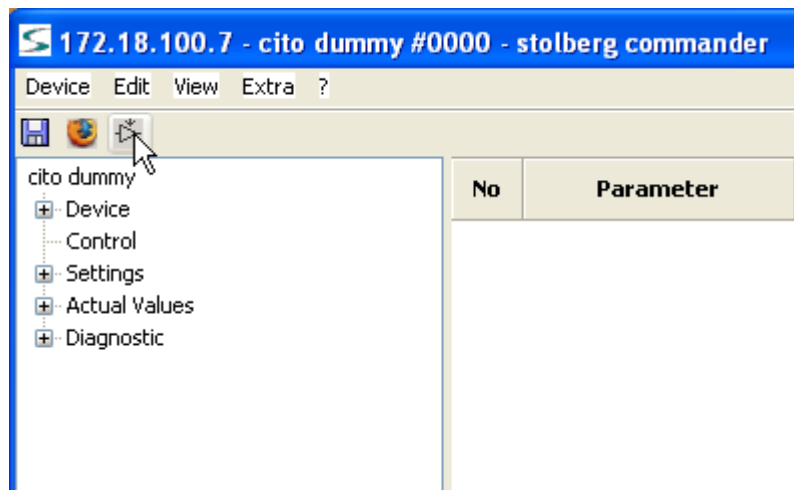



On the left side you can see the 4 different menu blocks *Device*, *Setting*, *Actual Values* and *Diagnostic*.

By clicking on the small box with the “+” next to the menu points, you can open the tree menu and click on several submenus, which will show the corresponding parameters and values on the right side. (details to each submenu point will be explained further down this guide)

	<h1>Technical Bulletin</h1>	Doku. Nr.	Rev.
		B-SRV-001	A3
Prepared by	<h2>Working with the stolberg commander</h2>	Datum	Seite
HL		05. May 2011	5 / 11

By clicking on the small icon like seen in the screenshot below, you can open the main control window.



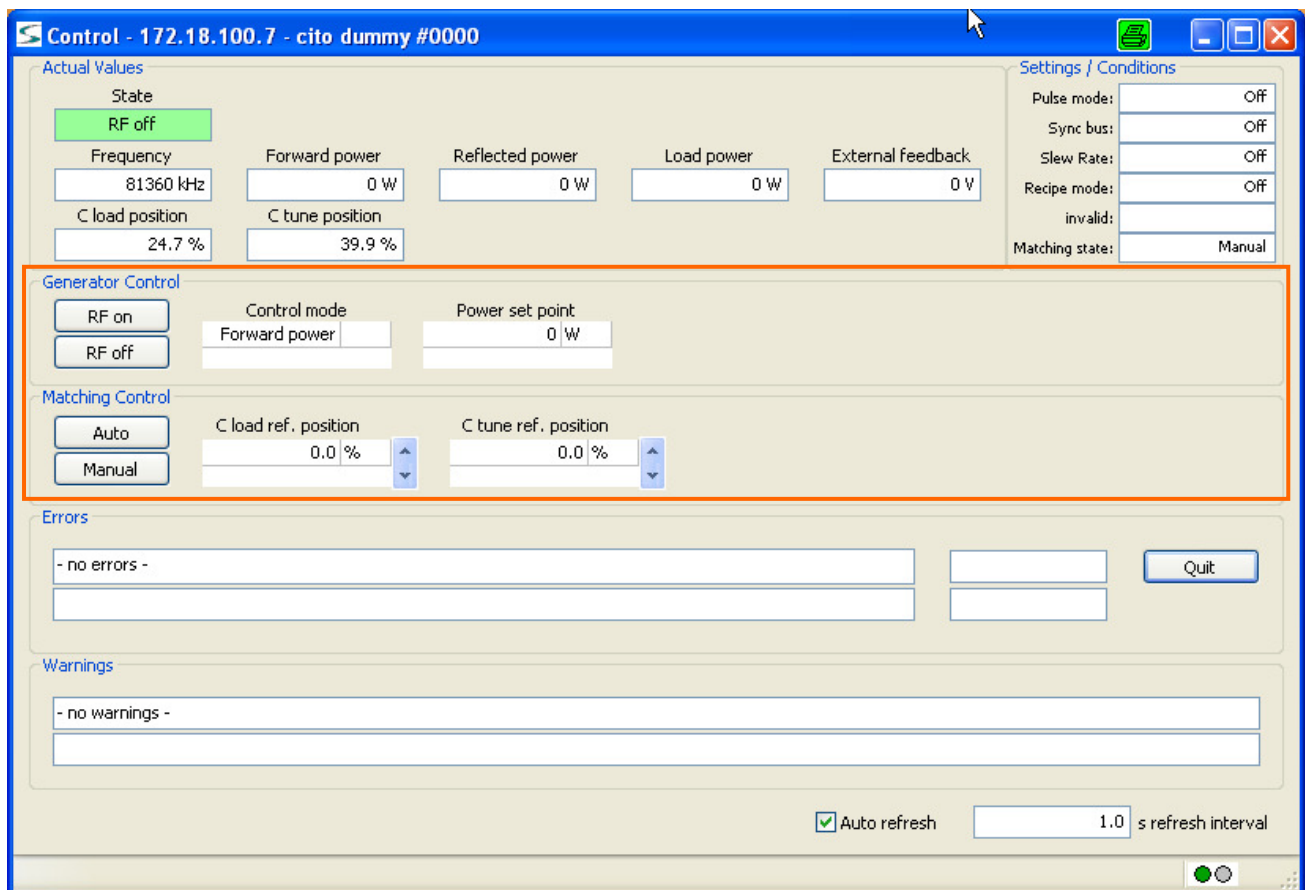
	<h1>Technical Bulletin</h1>	Doku. Nr.	Rev.
		B-SRV-001	A3
Prepared by	Working with the stolberg commander	Datum	Seite
HL		05. May 2011	6 / 11


The main control window allows you to control the **cito** and in case an **agilo** matching network is connected to the **cito** – you can also control the **agilo** by means of that control window.

The upper area is only showing actual values as an overview.

The area in the center (marked in below screenshot) is where you can control the most important functions of the **cito** like RF on / RF off, setpoint and control mode.

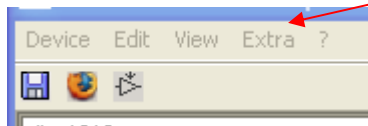
In case there is an **agilo** connected, you also can control the **agilo** from here.



	<h1>Technical Bulletin</h1>	Doku. Nr.	Rev.
		B-SRV-001	A3
Prepared by	Working with the stolberg commander	Datum	Seite
HL		05. May 2011	7 / 11


4. Uploading new firmware:

- In a **cito** generator you have 2 separate controllers for the **cito** main and the display
In case you have a **agilo** Matching network connected to the cito, you can also upload firmware to the **agilo** by means of the stolberg commander.
- You start the upload dialog by clicking on the Extra menu in the menu bar of the stolberg commander.

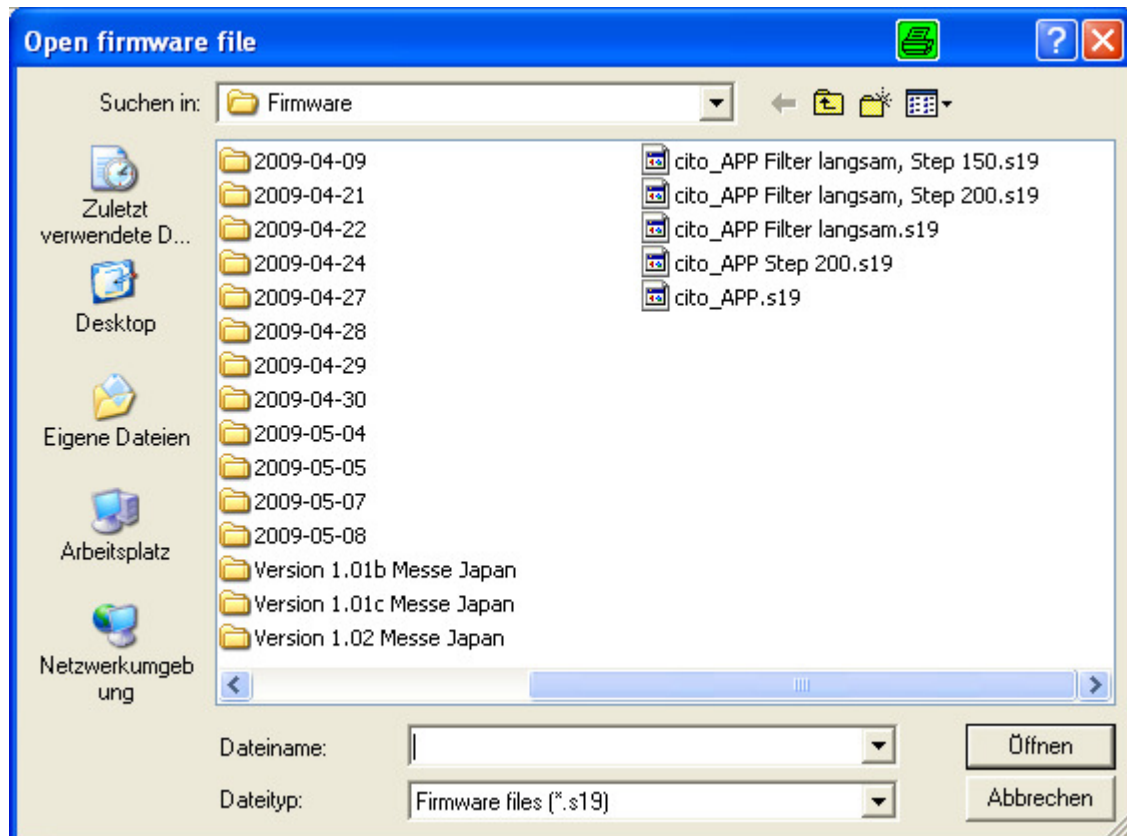


- This will open the following dialog, and you choose the controller you want to update




	<h1>Technical Bulletin</h1>	Doku. Nr.	Rev.
		B-SRV-001	A3
Prepared by	<h2>Working with the stolberg commander</h2>	Datum	Seite
HL		05. May 2011	8 / 11

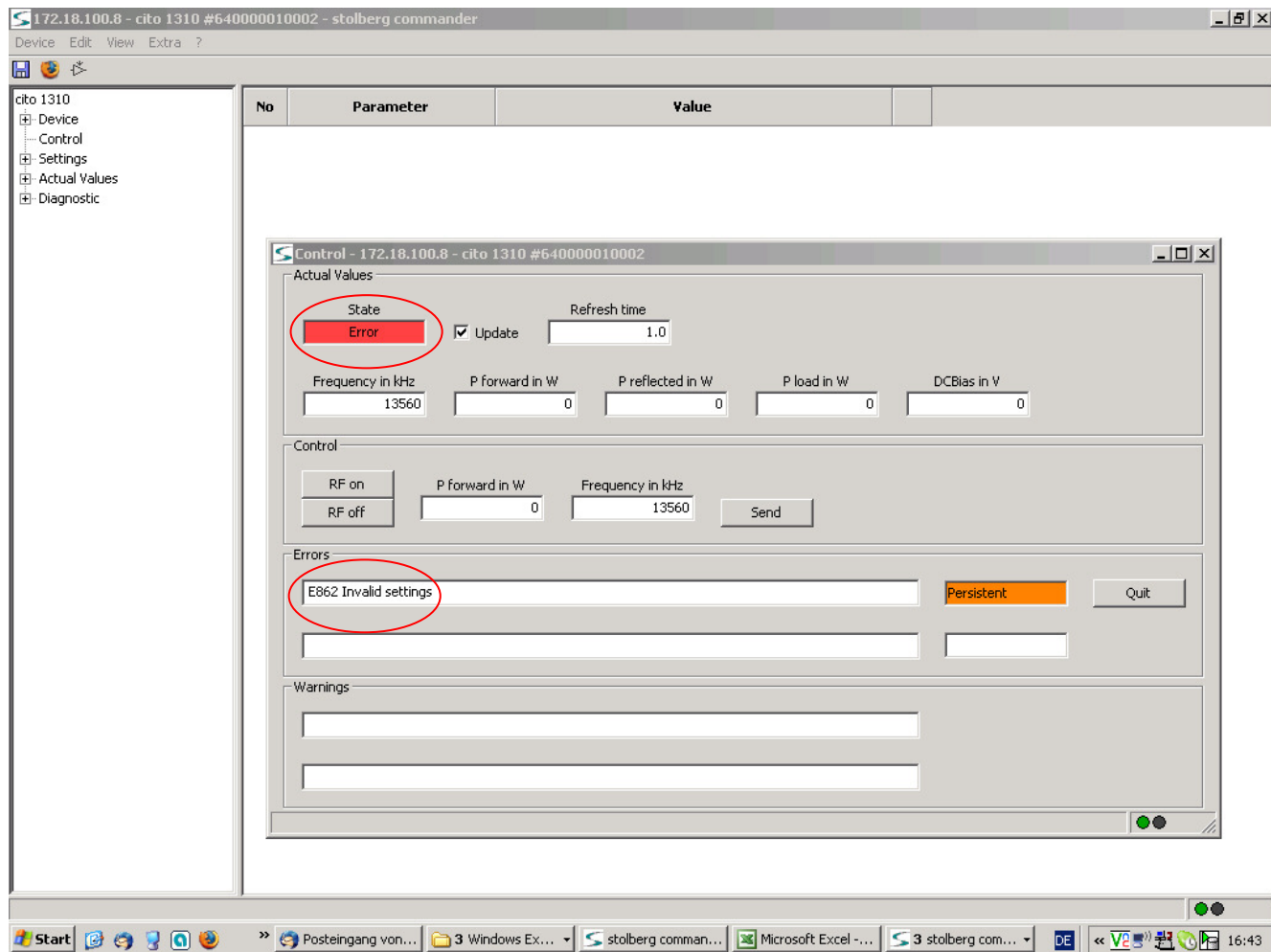
- After clicking on *Firmware Update* xx you are asked to enter the filename and path of the new firmware file.




- Choose the corresponding file (*.s19) and open it.
- Now the firmware upgrade process is started automatically and a status window is displayed on your monitor. The display also shows the status of the Upgrade.
- Once finished the generator will reboot, and you will see a Message box, that you successfully performed a firmware upgrade.

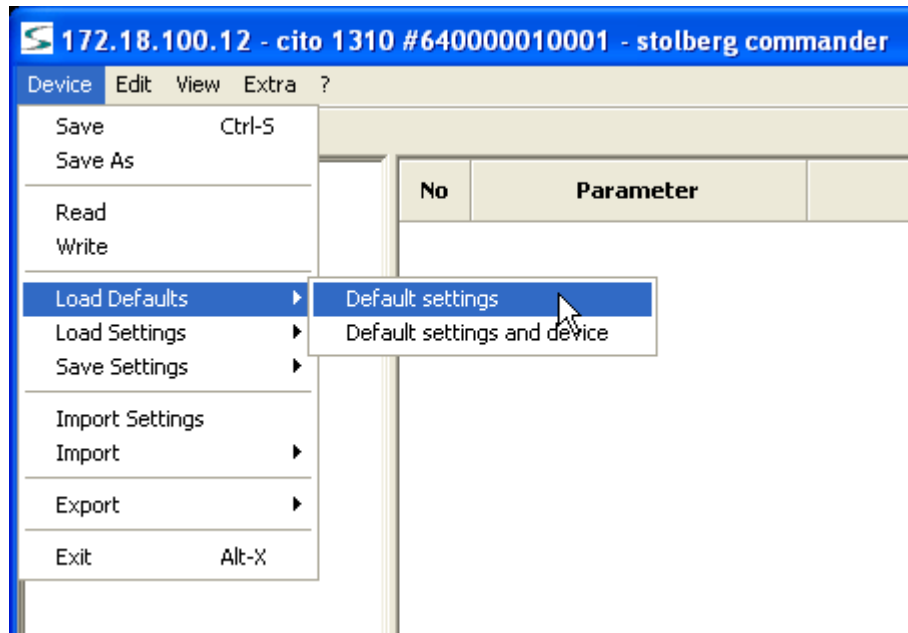
	<h1>Technical Bulletin</h1>	Doku. Nr.	Rev.
		B-SRV-001	A3
Prepared by	<h2>Working with the stolberg commander</h2>	Datum	Seite
HL		05. May 2011	9 / 11

- If e.g. the parameter total number between 2 firmware versions changes, you will see an error “E862 Invalid Settings” on the bottom display line and also in the control window of the stolberg commander as shown in the picture:



	Technical Bulletin	Doku. Nr.	Rev.
		B-SRV-001	A3
Prepared by	Working with the stolberg commander	Datum	Seite
HL		05. May 2011	10 / 11

- To eliminate this error message you need to load once the default settings:




5. Uploading S/N specific prohibited settings:

In some cases it is necessary that SHFT needs to update some parameters, that are normally hidden to the user and also not accessible with the customer version of the stolberg commander.

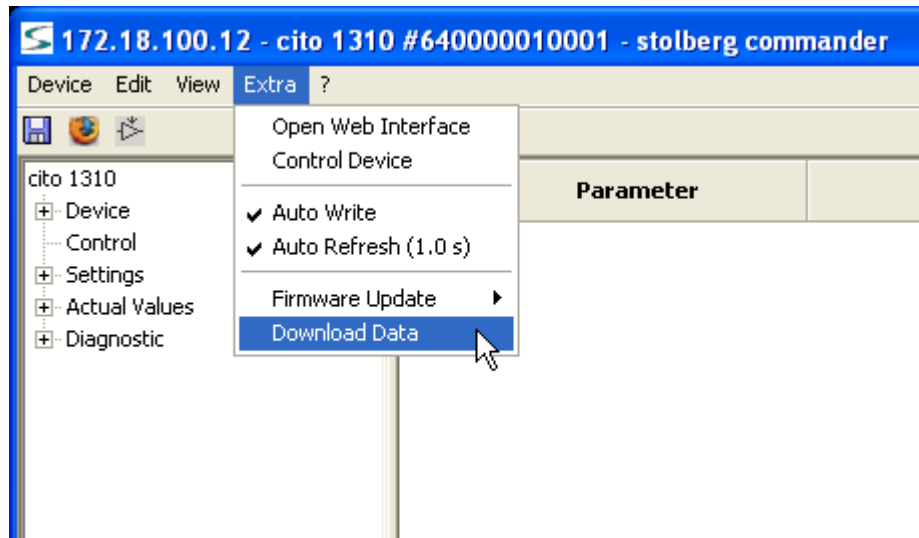
In such a case, SHFT can create individual “download files” containing the replaced parameters, which can only be uploaded onto the specific S/N.

The next steps describe how to do this:

- You connect to the desired **cito** the way described above

	<h1>Technical Bulletin</h1>	Doku. Nr.	Rev.
		B-SRV-001	A3
Prepared by	<h2>Working with the stolberg commander</h2>	Datum	Seite
HL		05. May 2011	11 / 11

- Go to “Extra” and click on “Download Data”



- In the next window choose the corresponding *.shft-download” file with the specific S/N and click on open.

