SREA-50 firmware update

Overview

SREA-50 firmware and kernel can be updated by using local Ethernet connection (preferred) or point-to-point EIA-232 cable to SREA-50.

Note! Firmware and kernel update will reset the SREA-50 configuration to default. Backup of the SREA-50 configuration is not compatible to newer firmware version.

Update adapter's kernel first before firmware file.

Firmware file is delivered and compatible only with dedicated kernel.
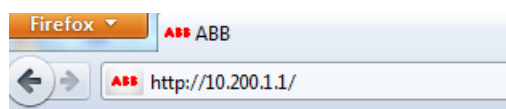
ABB Oy

Instructions for kernel update over local Ethernet

Step 1

Connect SREA-50 Ethernet adapter to a same local Ethernet with PC. Make sure that you are able to ping SREA-50 adapter from your PC. It is possible to use cross-over Ethernet cable, which comes with the SREA-50 kit.

Point-to-point Ethernet connection with PC and SREA-50 is recommended for firmware update.

*Note! Please observe the default IP address of SREA-50 **10.200.1.1**. Firmware update may restore factory default settings to the adapter.*

Step 2

If this is the first start of SREA-50, that is not configured, please read chapter "Configuring SREA-50" of "Quick installation and start-up guide SREA-50 remote monitoring adapter" (Document 3AUA0000098876 REV A).
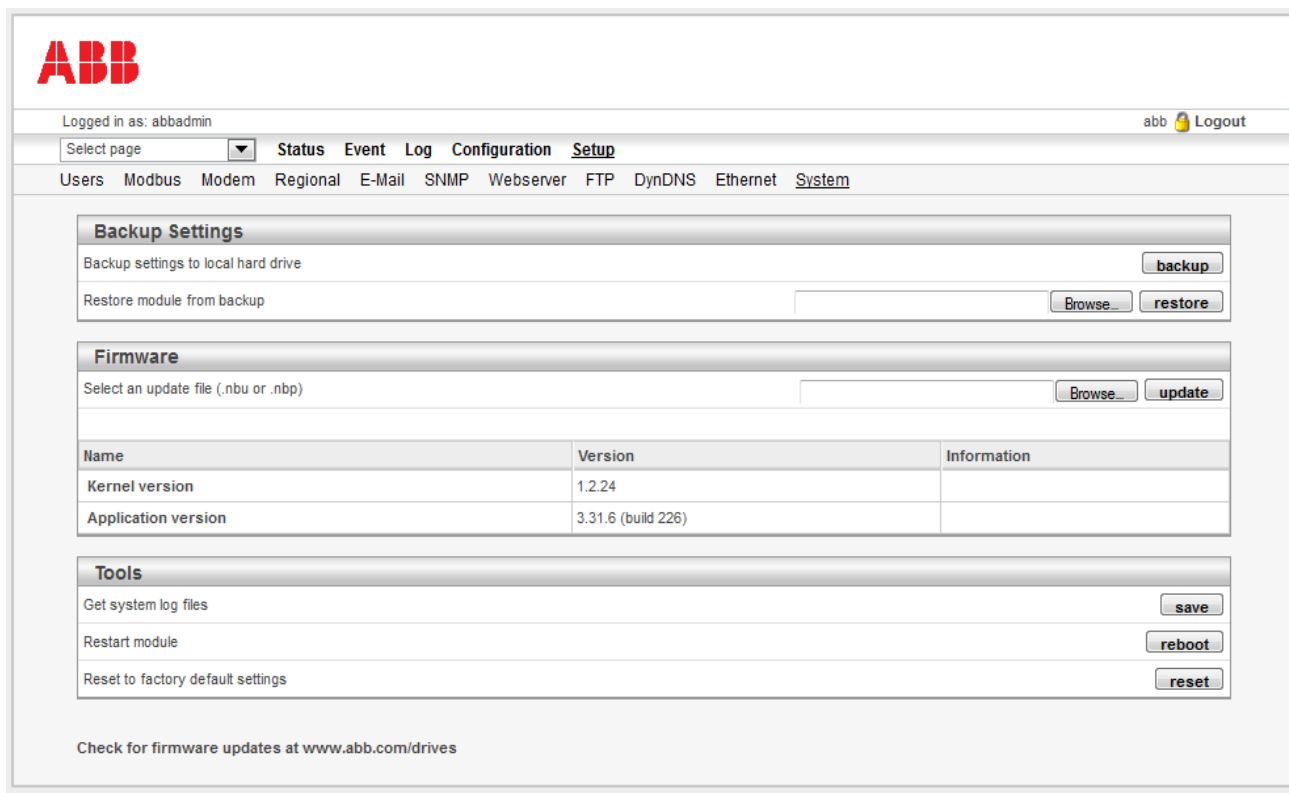

If SREA-50 was previously configured, sign in to SREA-50 adapter with super admin rights and select **Setup** page, then **System**.

Step 3

Open new kernel or firmware file upload dialog by "Browse"-button of "Firmware".

Step 4

Select kernel or firmware file.
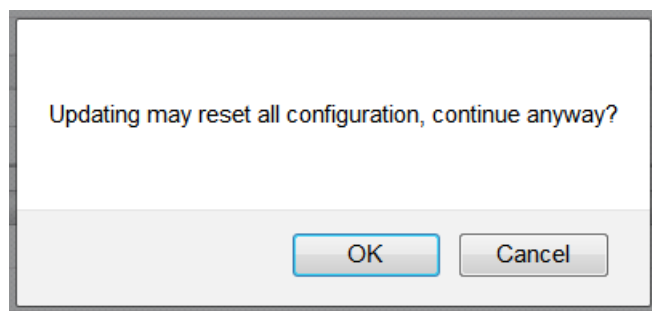

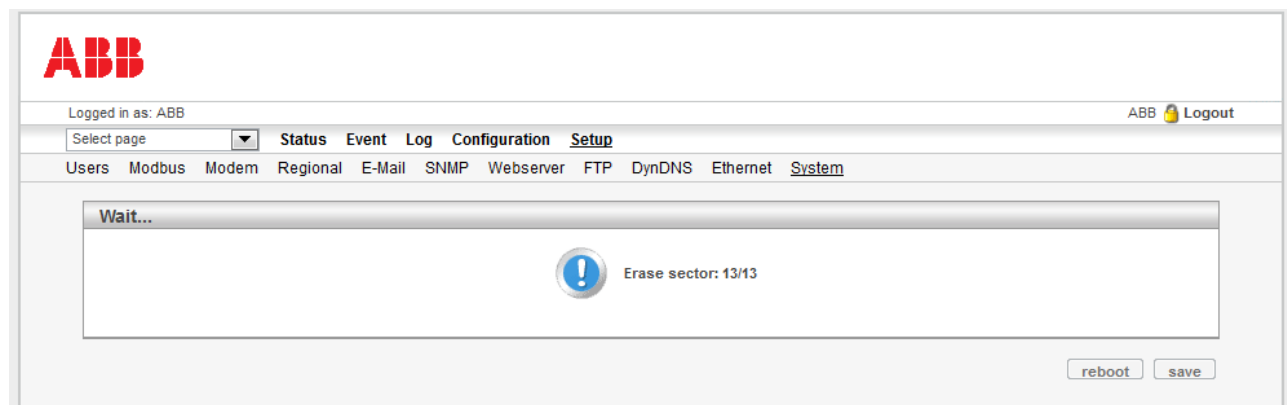
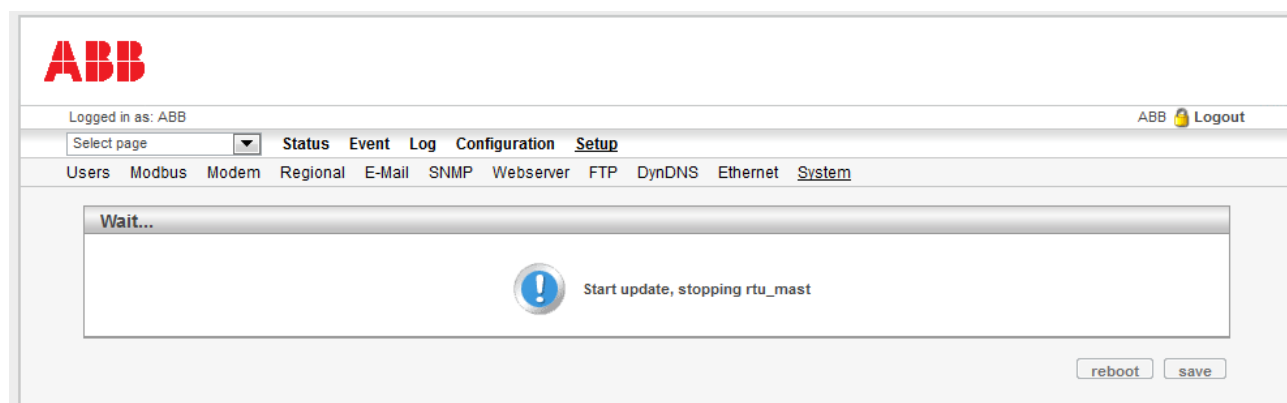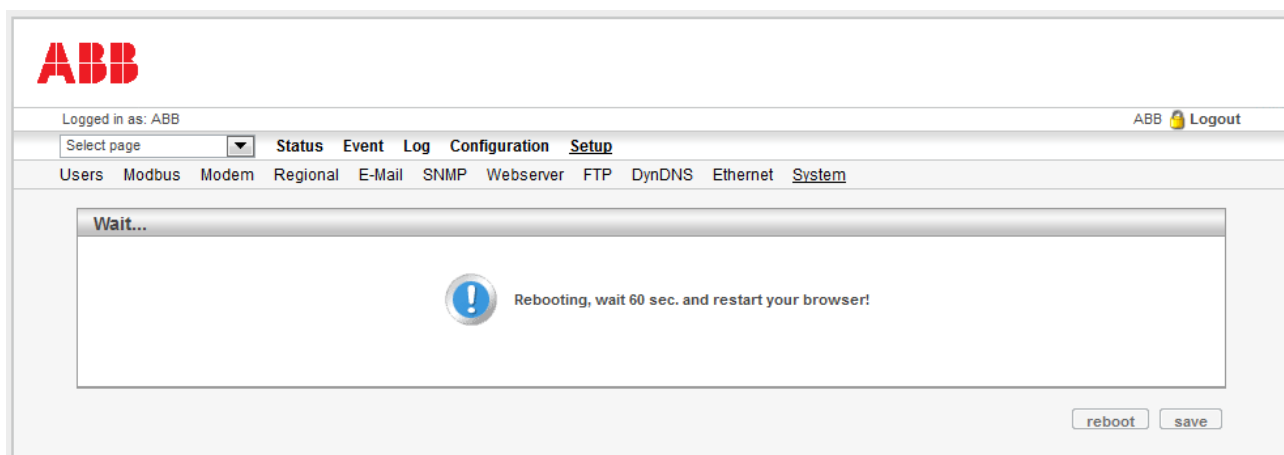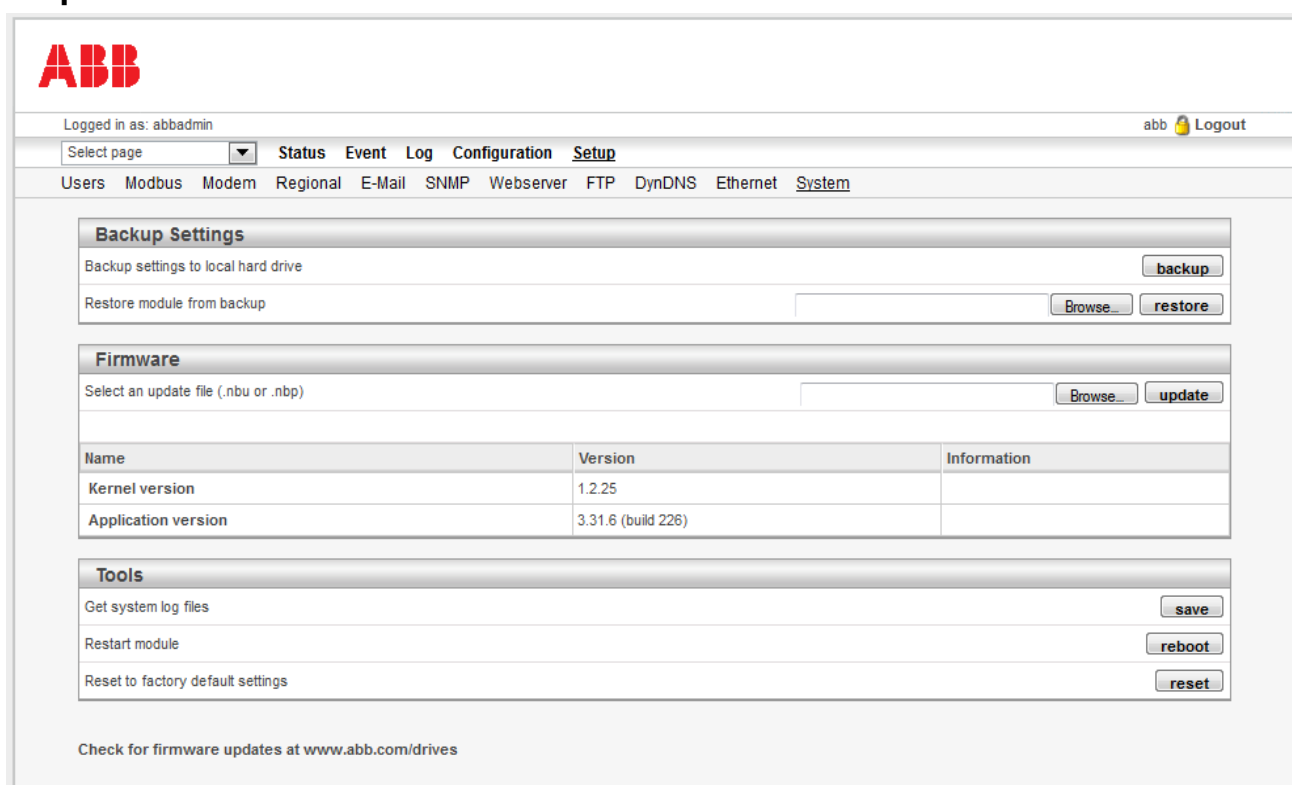Press *Update* button of "Firmware".

Step 5
Select OK

Step 6
The update process starts with erasing existing kernel or firmware. After erasing the file system, new file is uploaded to adapter automatically. Please wait until the file is uploaded.

Step 7

After succeeded upload of the file, reboot the adapter.

Step 8

Note! *Kernel update* **does not reset** *any configuration of SREA-50 adapter.*

Sign in with previously configured username and password. In case the previously configured log-in accounts are not valid, try with default username and password.

Note! *First start after updating the kernel and firmware may take few minutes.*

Follow steps 2-8 to update the firmware to SREA-50 or follow the steps listed in next chapter (Instructions for firmware update over local Ethernet).

Instructions for firmware update over local Ethernet

Step 1

Connect SREA-50 Ethernet adapter to a same local Ethernet with PC. Make sure that you are able to ping SREA-50 adapter from your PC.
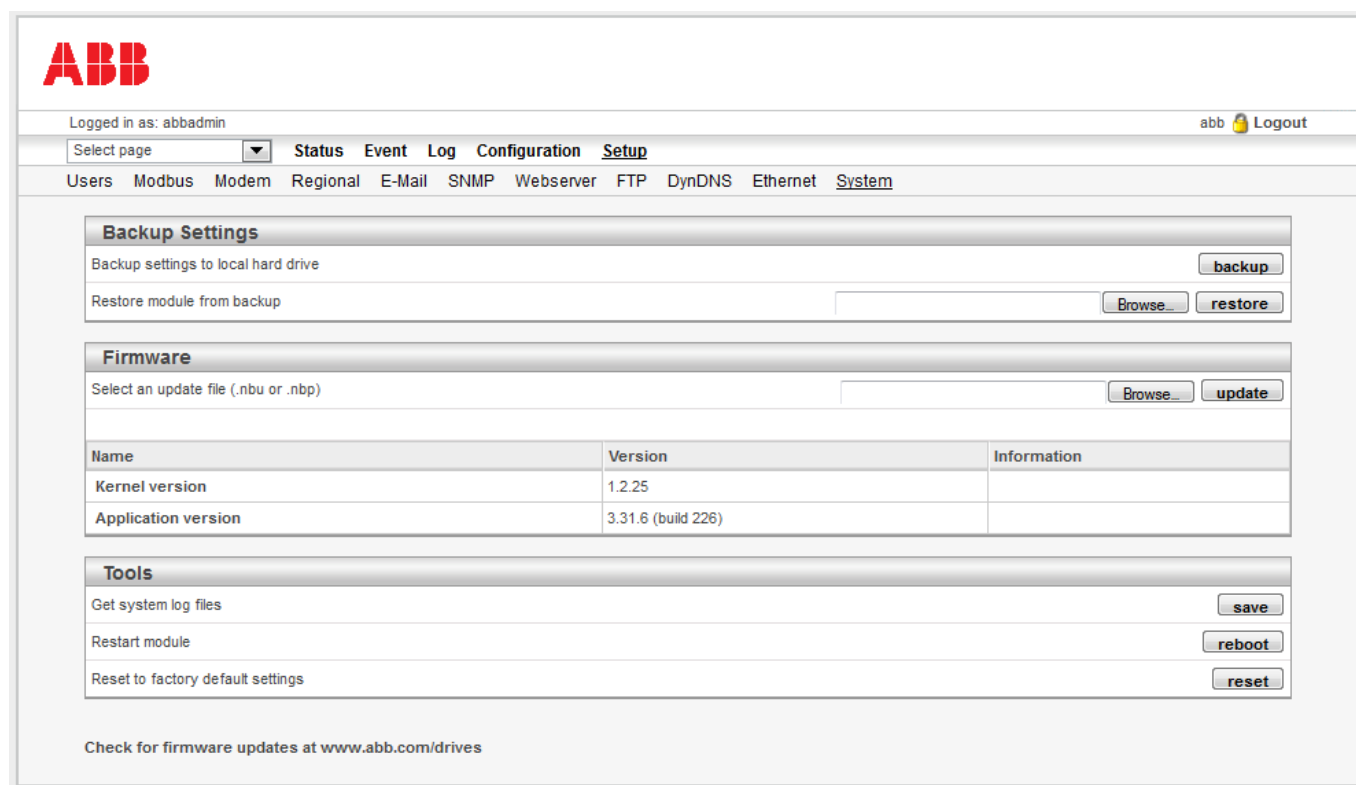
Please observe the default IP address of SREA-50 **10.200.1.1**. Firmware update will restore factory default settings to the adapter and erase previous configurations.

Step 2

Log in to SREA-50 adapter with super admin rights and select setup page.

Step 3

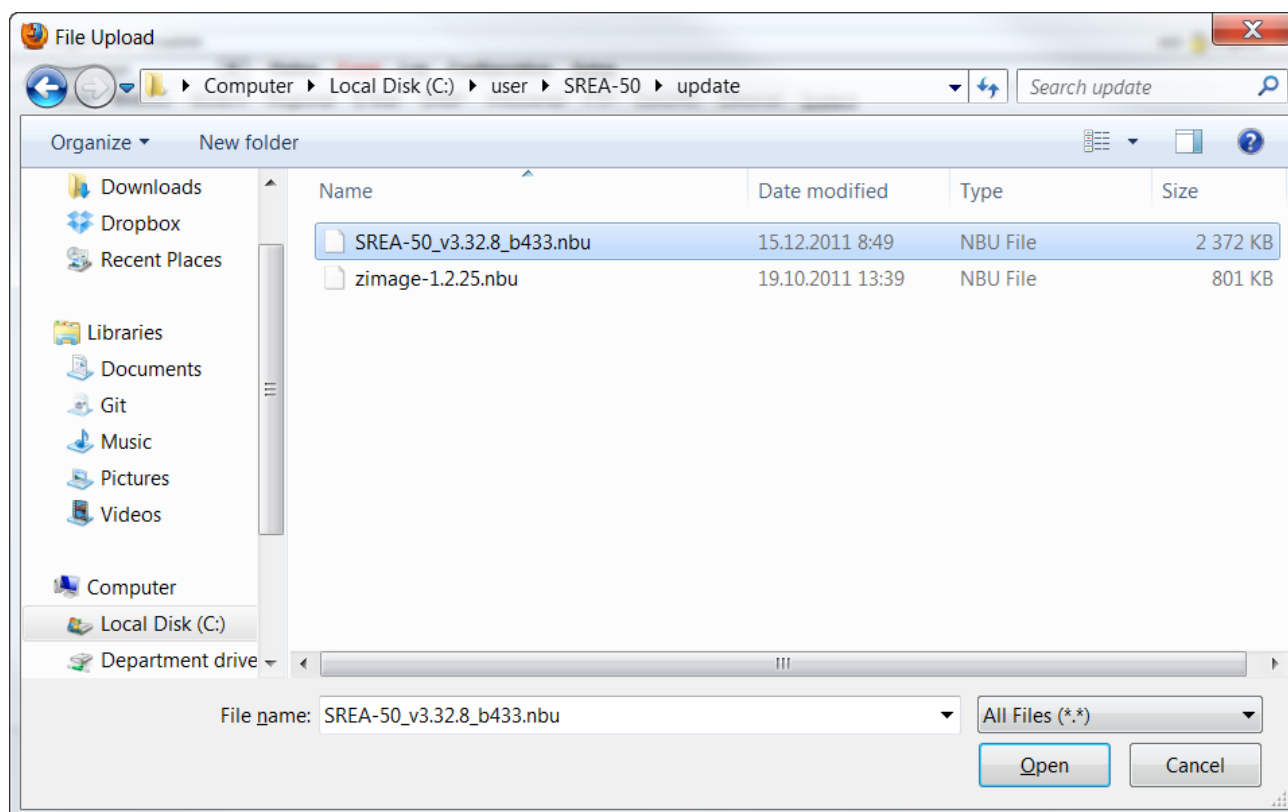Open new kernel or firmware file upload dialog by "Browse"-button of "Firmware".

Step 4

Select kernel or firmware file.

Press *Update* button of "Firmware".

Step 5
Select OK

Step 6
The update process starts with verifying the new firmware file, erasing existing firmware. After erasing the file system, new file is uploaded to adapter automatically.
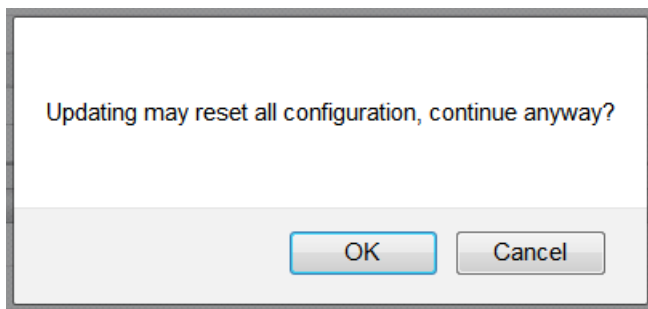
Step 7

After succeeded upload of the file, reboot the adapter.

Step 8

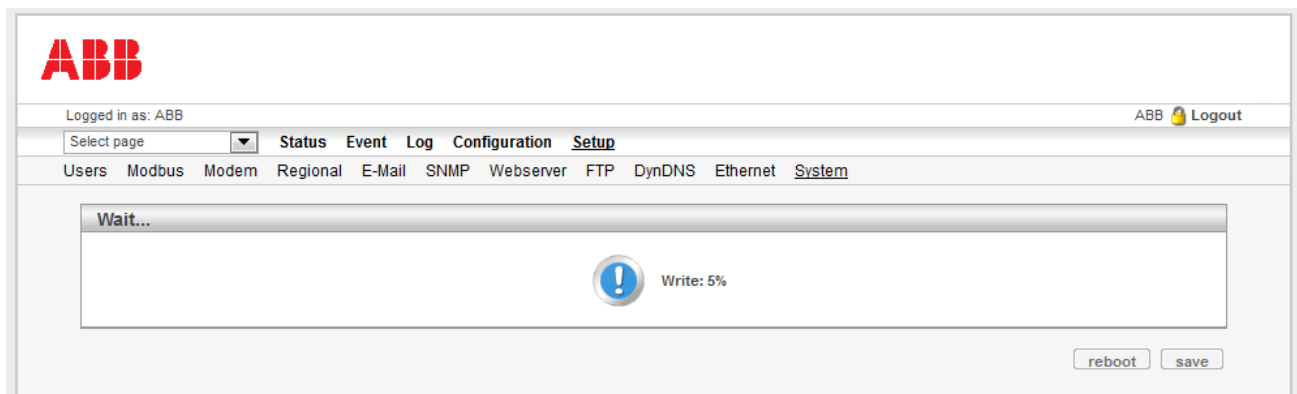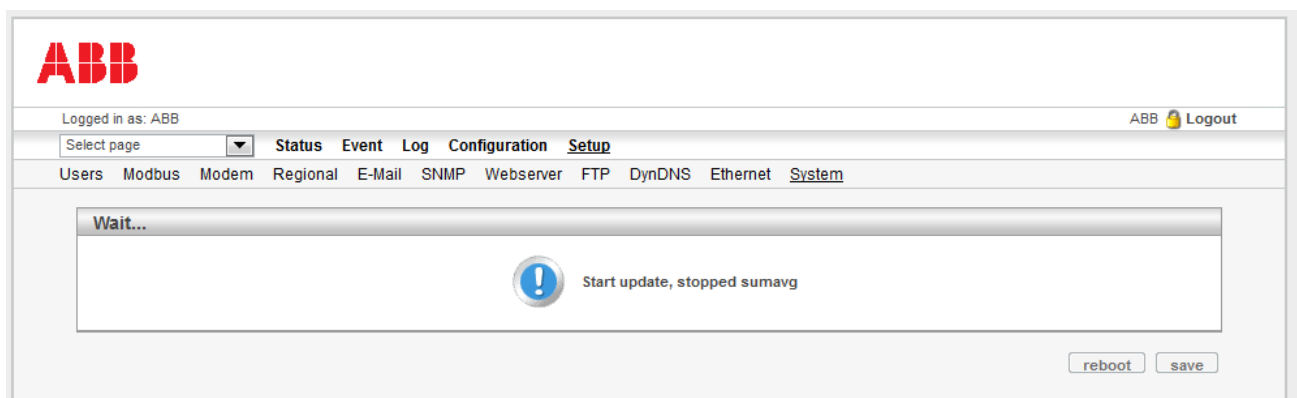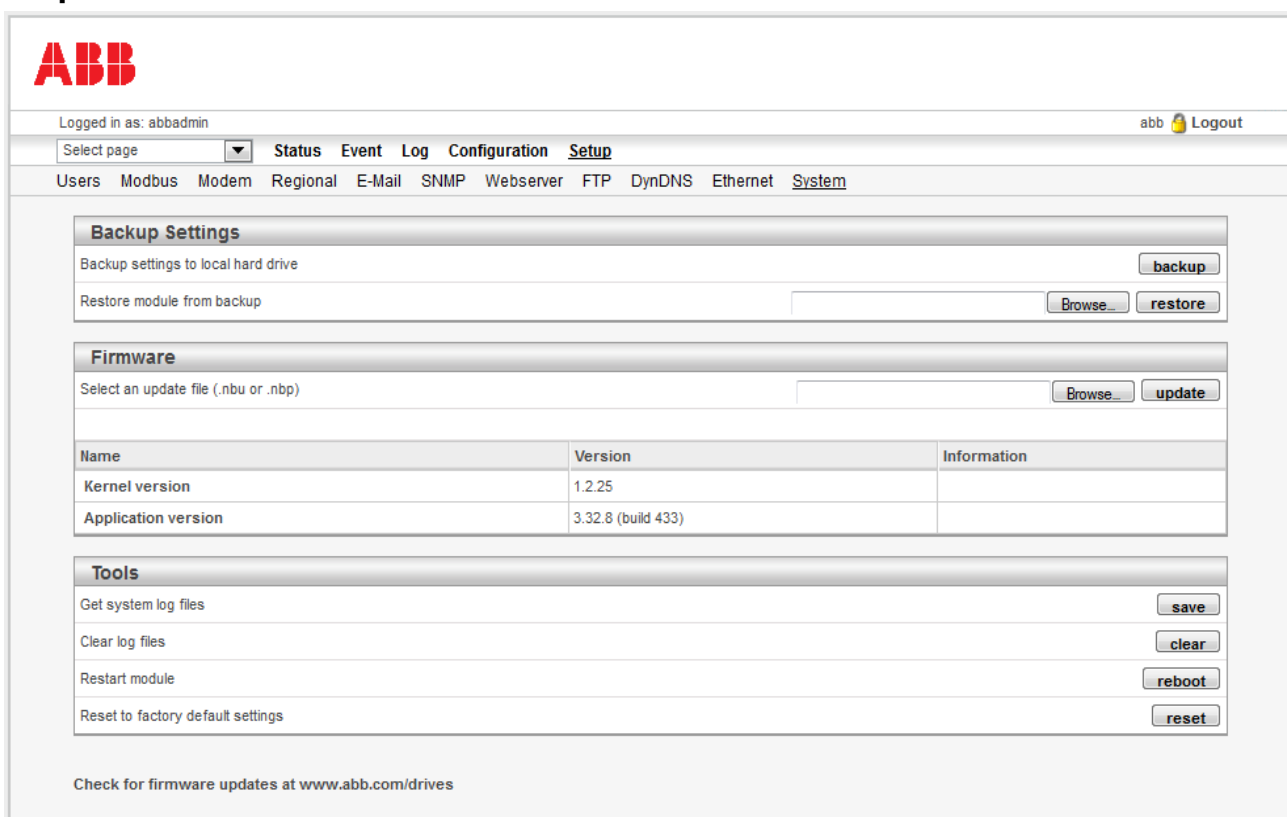> **Note!** *Usually the Ethernet settings are not cleared during firmware update.*

After updating the firmware file, access the IP address of the SREA-50 (if configured) or use default IP address **10.200.1.1** and log in with factory default username.

> **Note!** *First start after updating the kernel and firmware may take few minutes.*

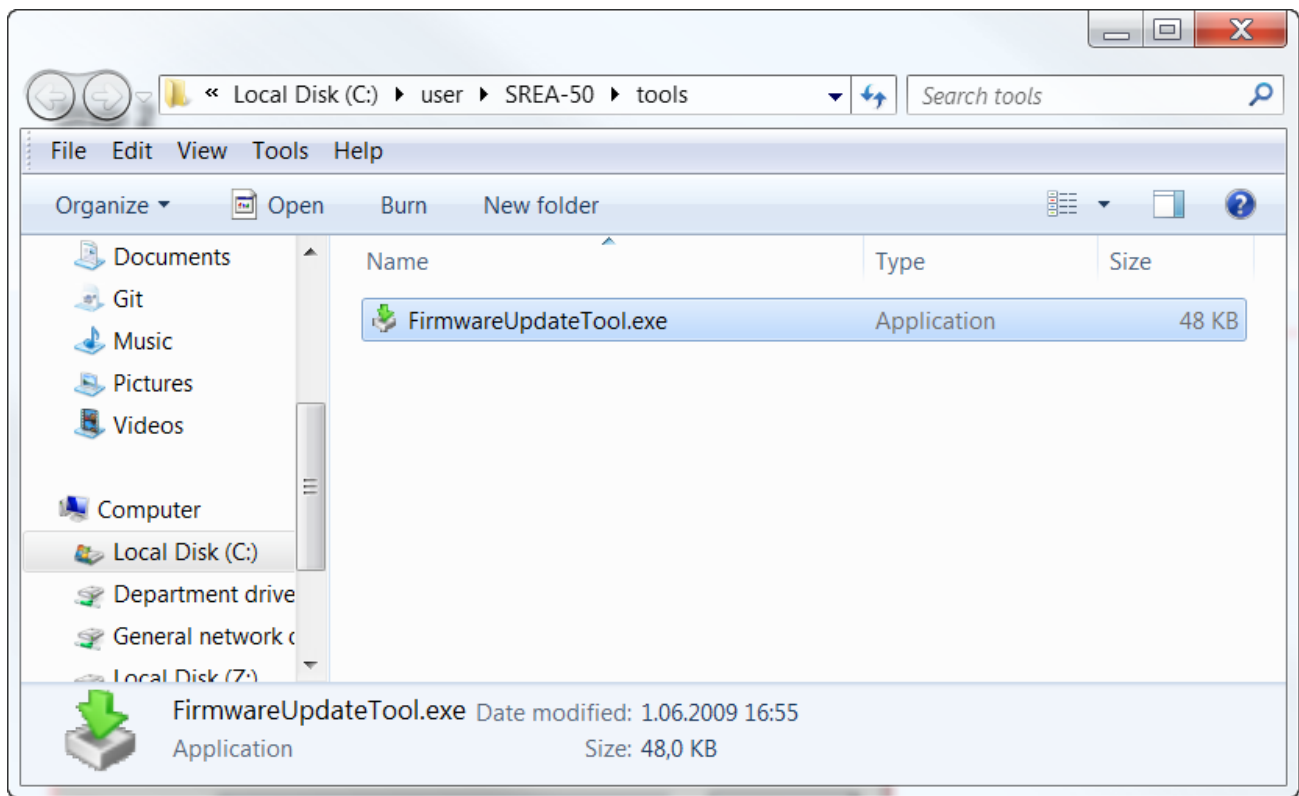# Update with EIA-232 point-to-point connection

Step 1

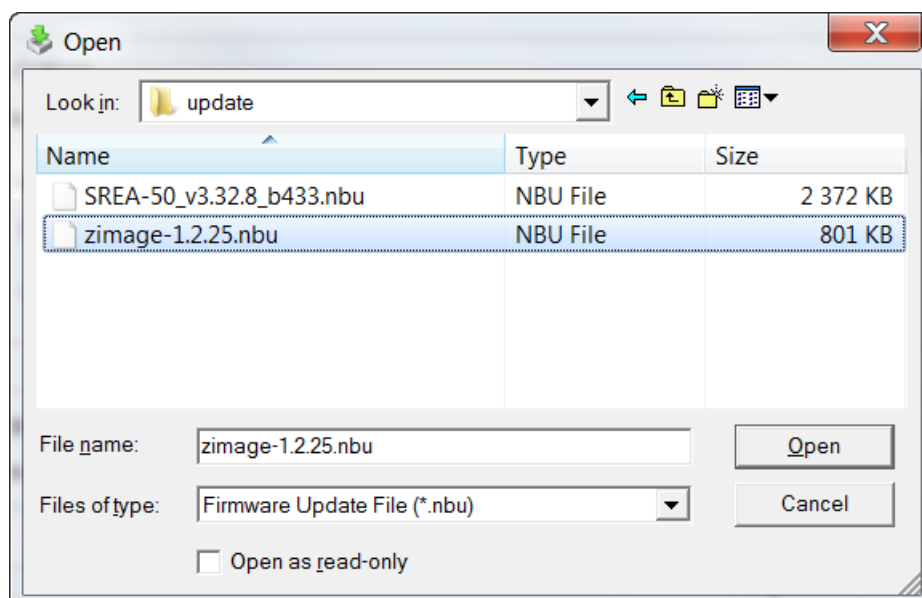Connect RS-232 null-modem cable between SREA-50 9-pin D-connector and PC.

Step 2

Open firmware update tool.

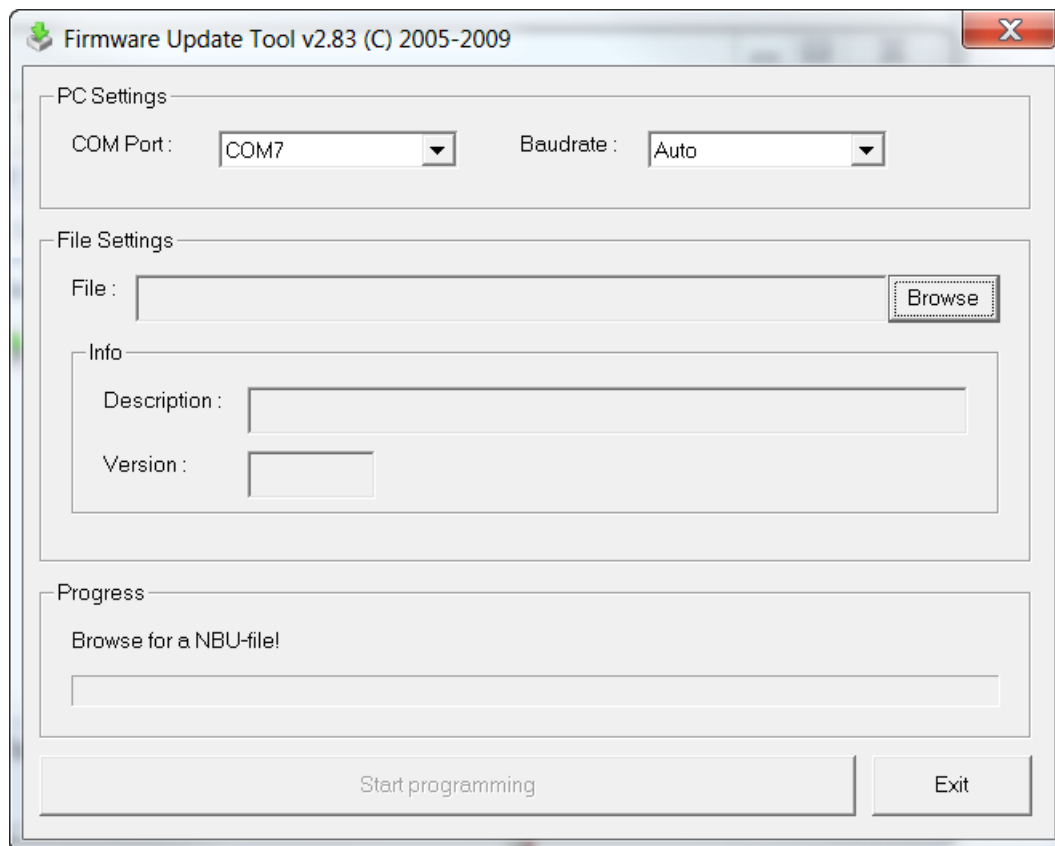## Step 3

Browse and select kernel or firmware file.

Step 4

1. Select appropriate serial port (COM Port).

2. Set **power off** the adapter.

3. Press the **Start programming** button.

4. Set **power on** the adapter.

Step 5
Follow the instructions and mode on the adapter.

Step 6

Wait until the file is uploaded.

Step 7

After uploading reboot the adapter by pressing **Yes**.

Step 8
After updating the kernel, upload the firmware by following previous steps.

Firmware Update Tool v2.83 (C) 2005-2009
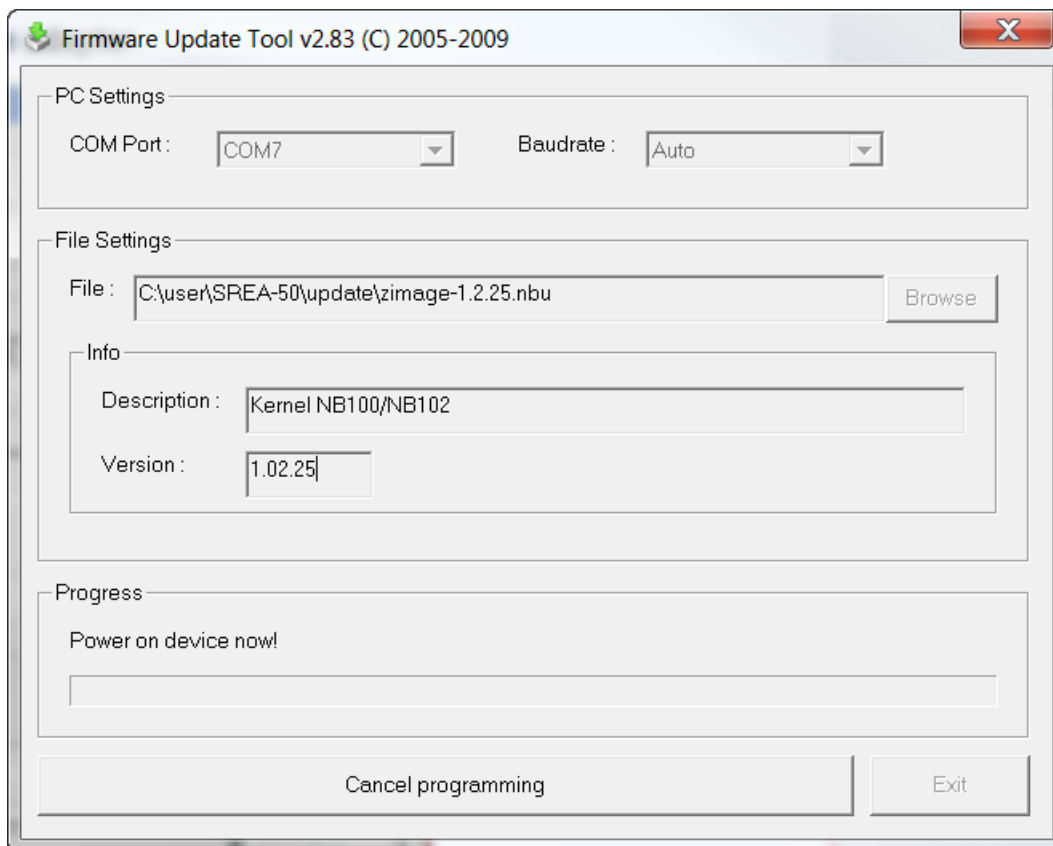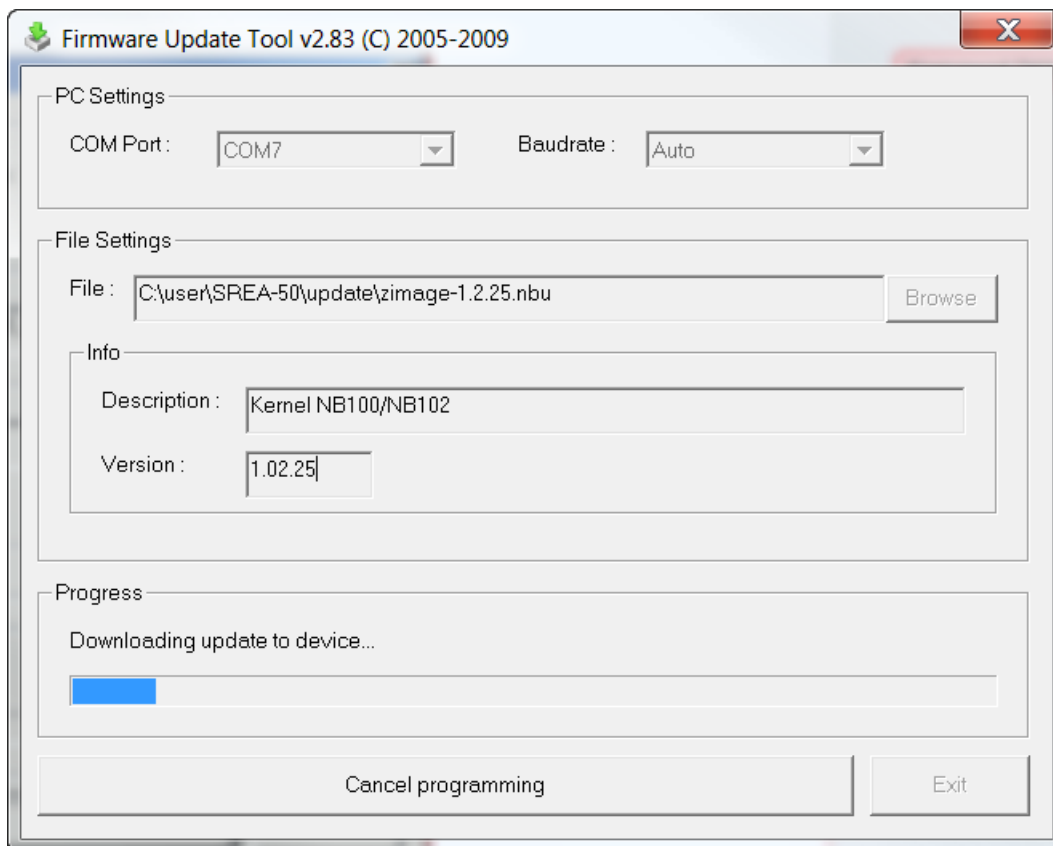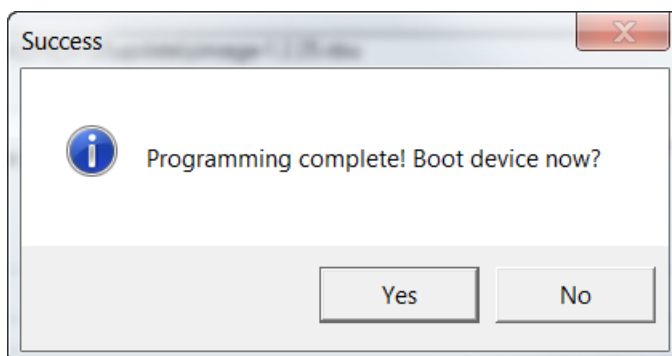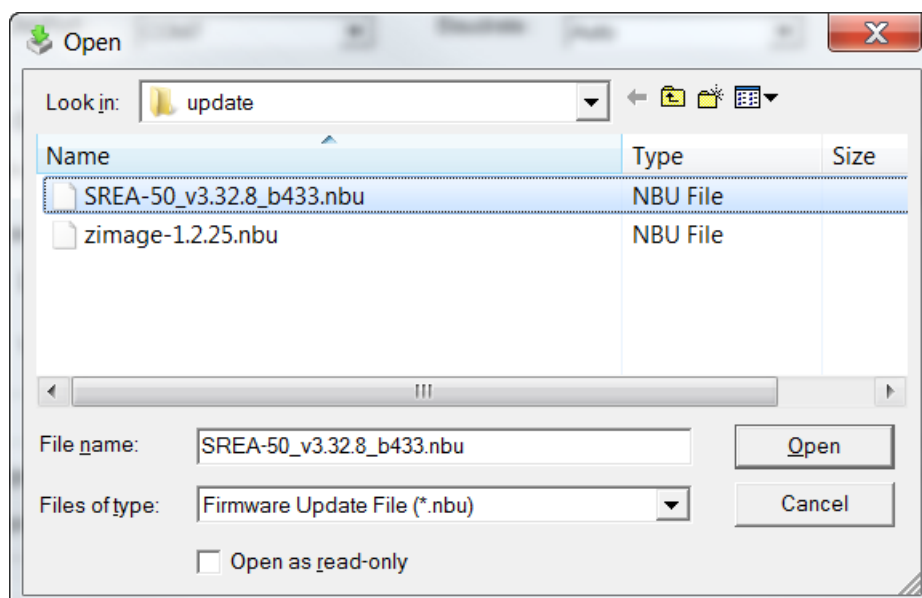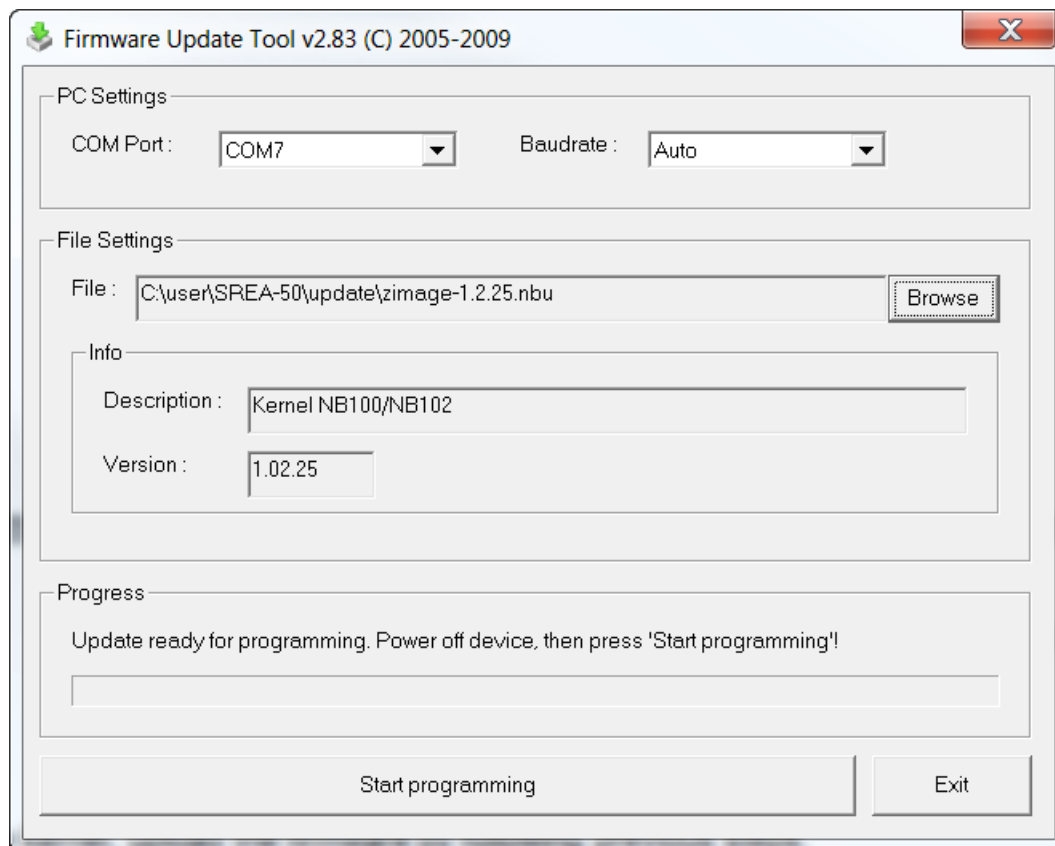
PC Settings

COM Port : `COM7` Baudrate : `Auto`

File Settings

File : `C:\user\SREA-50\update\SREA-50_v3.32.8_b433.nbu` [Browse]

Info

Description : `SREA-50`

Version : `3.32.08`

Progress

Update ready for programming. Power off device, then press 'Start programming'!

[Start programming] [Exit]

Firmware Update Tool v2.83 (C) 2005-2009

PC Settings

COM Port : `COM7` Baudrate : `Auto`

File Settings

File : `C:\user\SREA-50\update\SREA-50_v3.32.8_b433.nbu` [Browse]

Info

Description : `SREA-50`

Version : `3.32.08`

Progress

Power on device now!

[Cancel programming] [Exit]

Firmware Update Tool v2.83 (C) 2005-2009

PC Settings

COM Port : COM7   Baudrate : Auto

File Settings

File : C:\user\SREA-50\update\SREA-50_v3.32.8_b433.nbu   Browse

Info

Description : SREA-50

Version : 3.32.08

Progress

Downloading update to device...

Cancel programming   Exit

Success

Programming complete! Boot device now?

Yes   No

Troubleshooting

Lost IP address

In case of lost IP address of the SREA-50, use IP configuration tool to discover IP address of the SREA-50 adapter.

> **Note!** Firewalls may block IP configuration tool to operate normally. Disable firewall and use IP configuration tool only in local Ethernet networks.