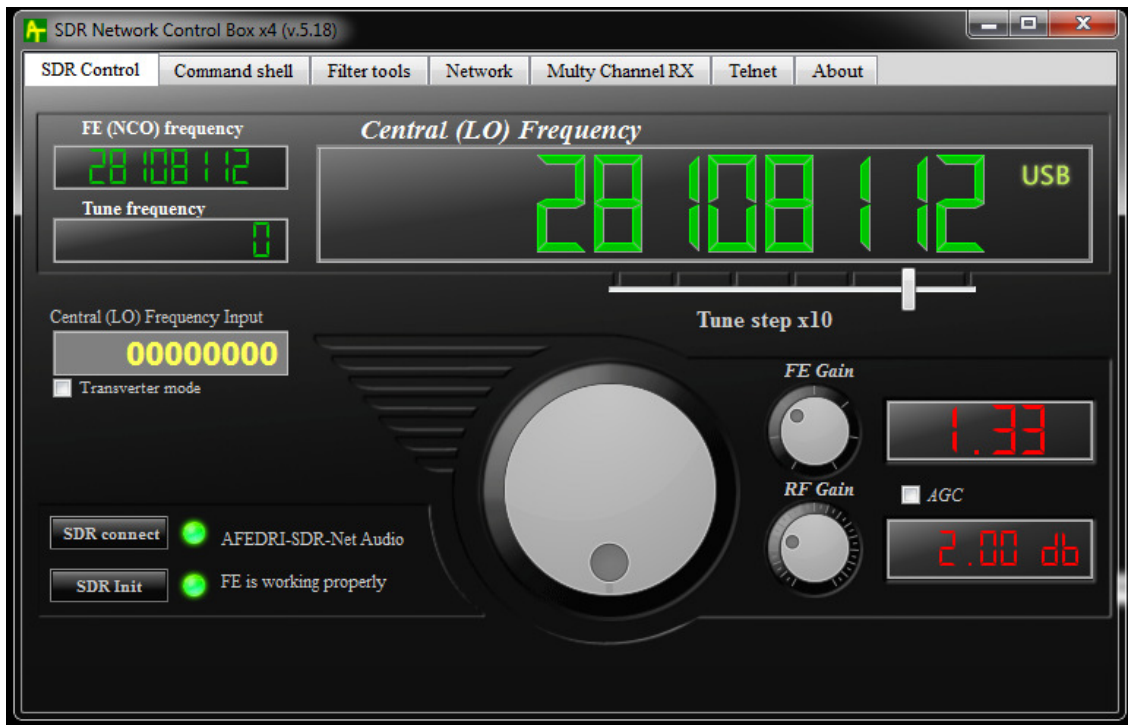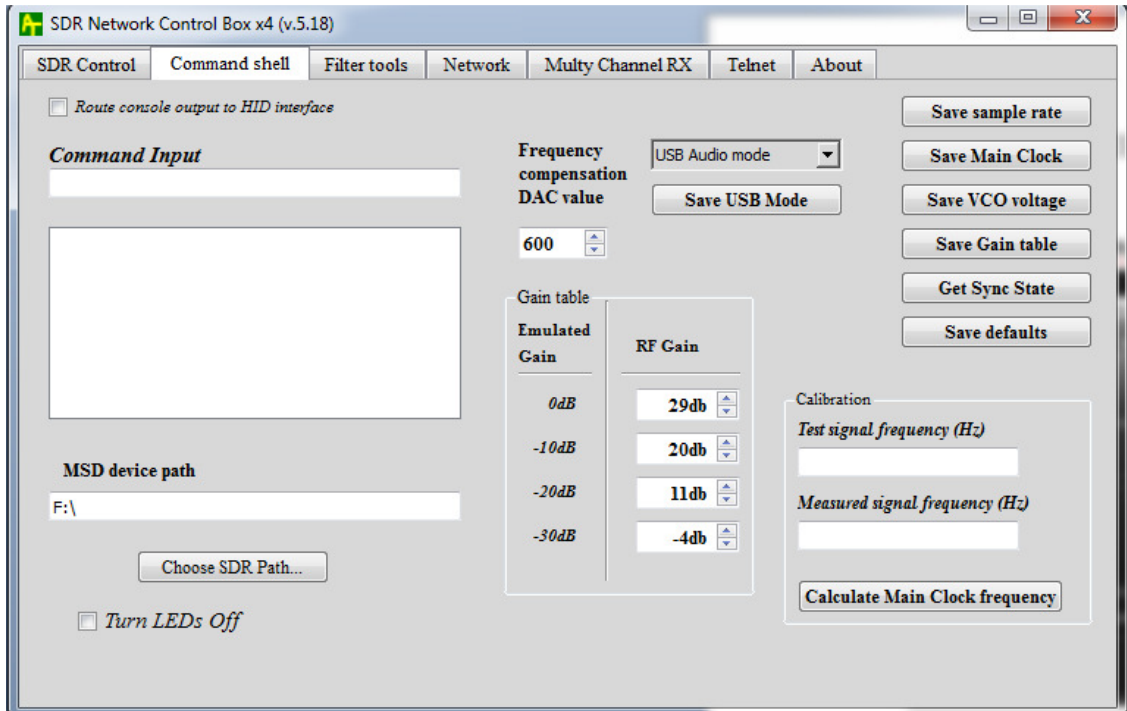# How to change AFEDRI SDR sample rate for USB audio mode!

Please take in account that when you are using AFEDRI SDR in USB audio mode (USB connection), there the special procedure should be done to change USB audio sample rate, it will be described below. You cannot set sample rate for USB audio mode by any other way!
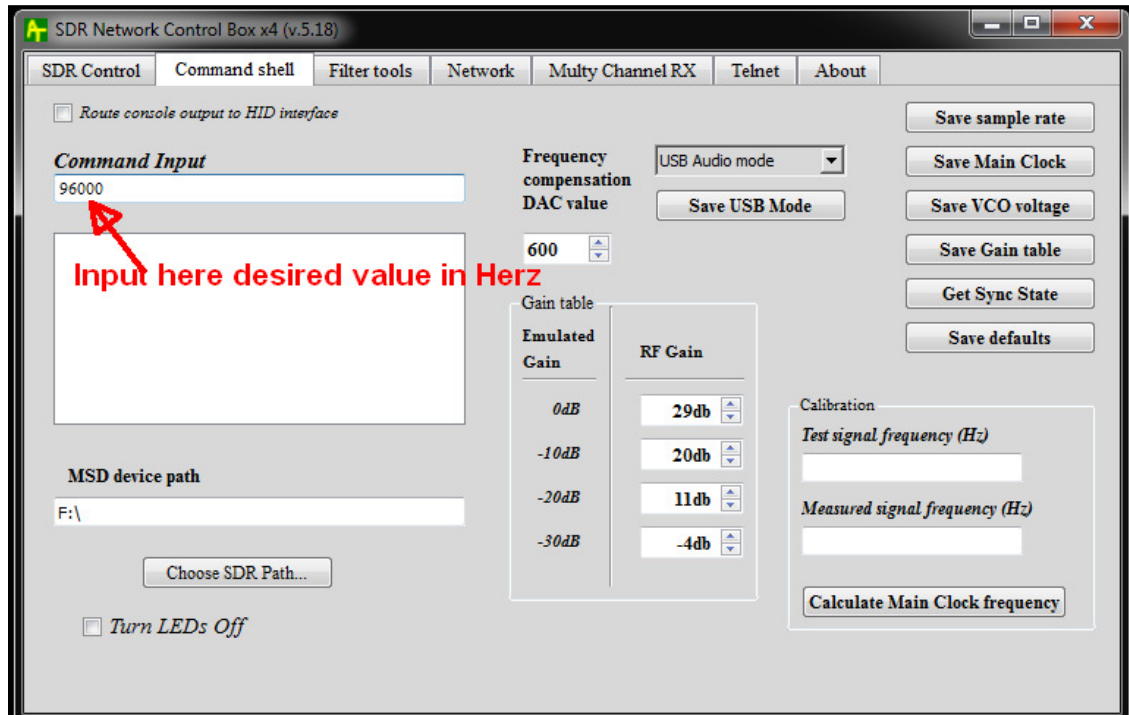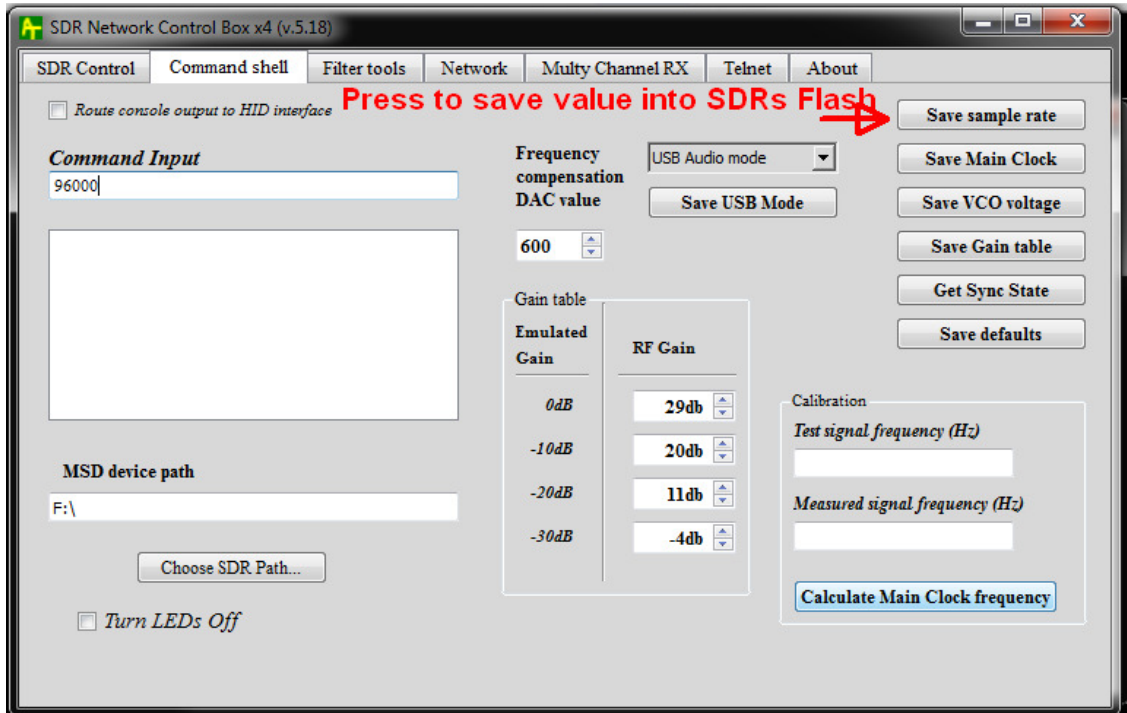
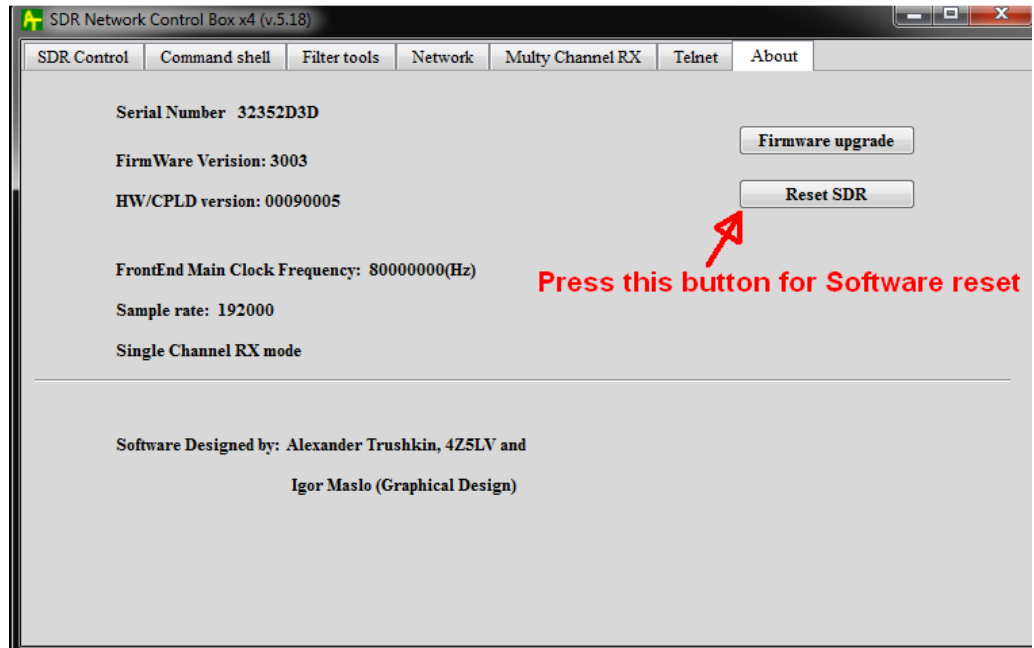1. Start SDR_Network_Control_Box

2. Go to "Command shell" tab

3. Insert desired sample rate value in Herz into "Command Input" edit box.
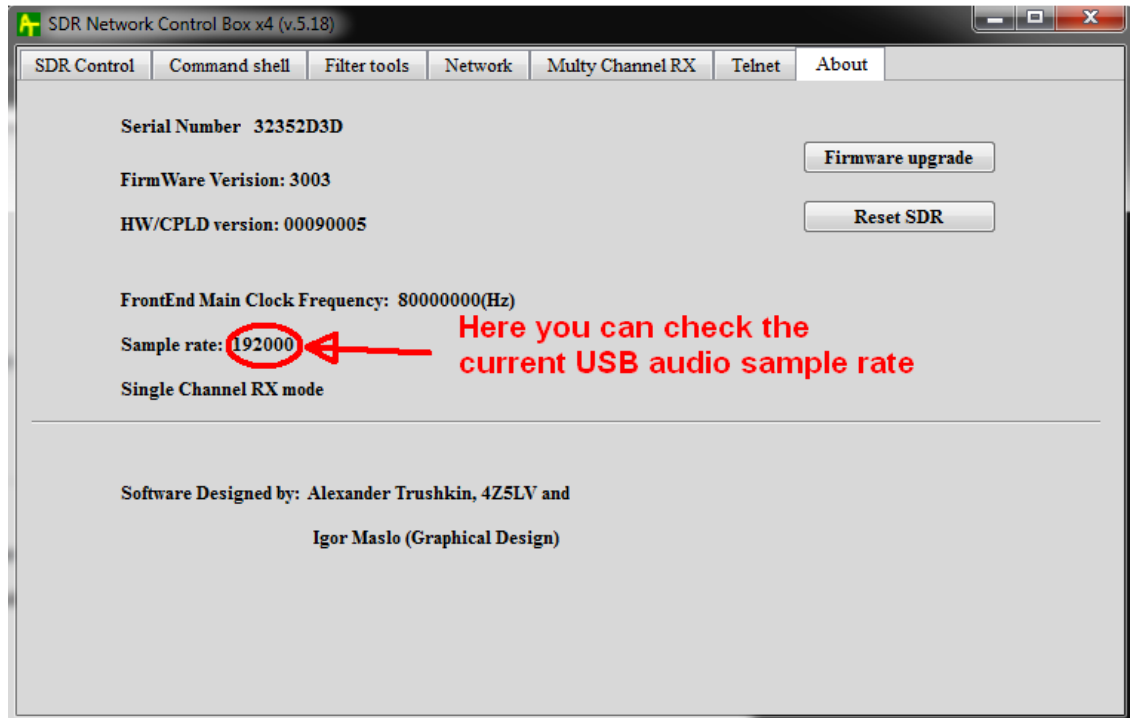
4. To save value into SDR internal Flash memory, press "Save sample rate" button

5. To make the new sample rate parameters actual, you have to reset SDR. You can do that by two alternative ways:
    a. Disconnect USB cable of SDR and connect it again
    b. Go to "About" and press "Reset SDR" button.
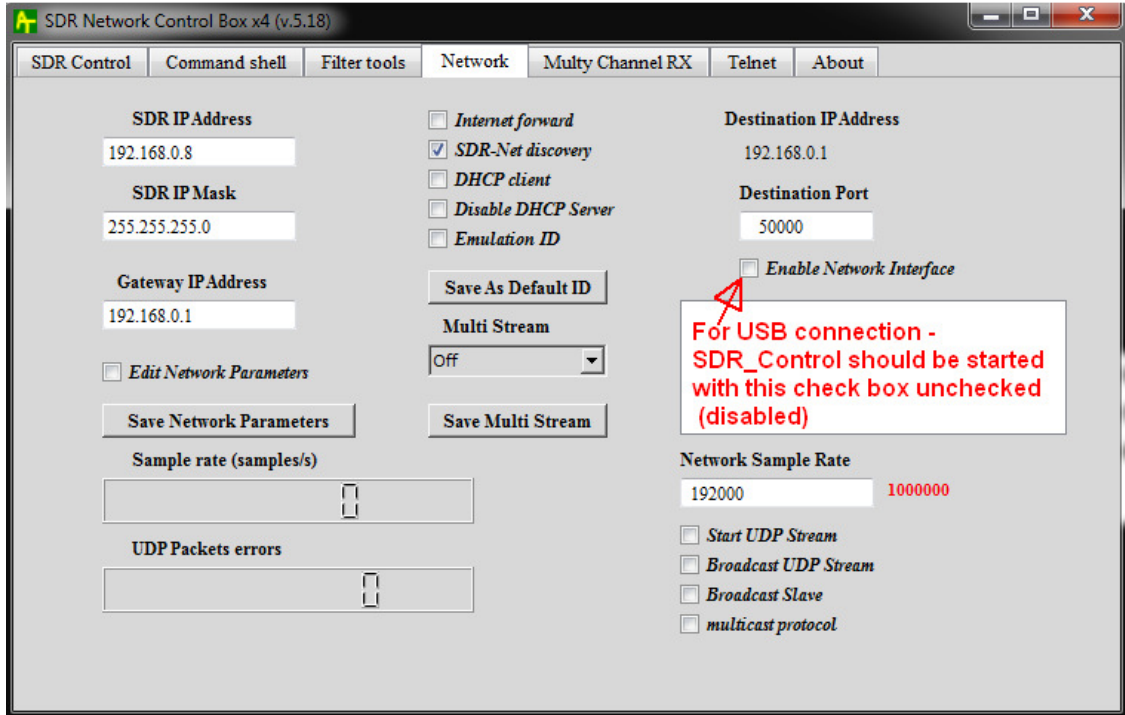   Close SDR_Network_Control_Box right after this job.

6. Please wait till Windows will detect the new USB device and give it possibility to reinstall required drivers automatically.

7. To check the current value of USB audio sample rate you can use SDR_Network_Control_Box application, "About" tab
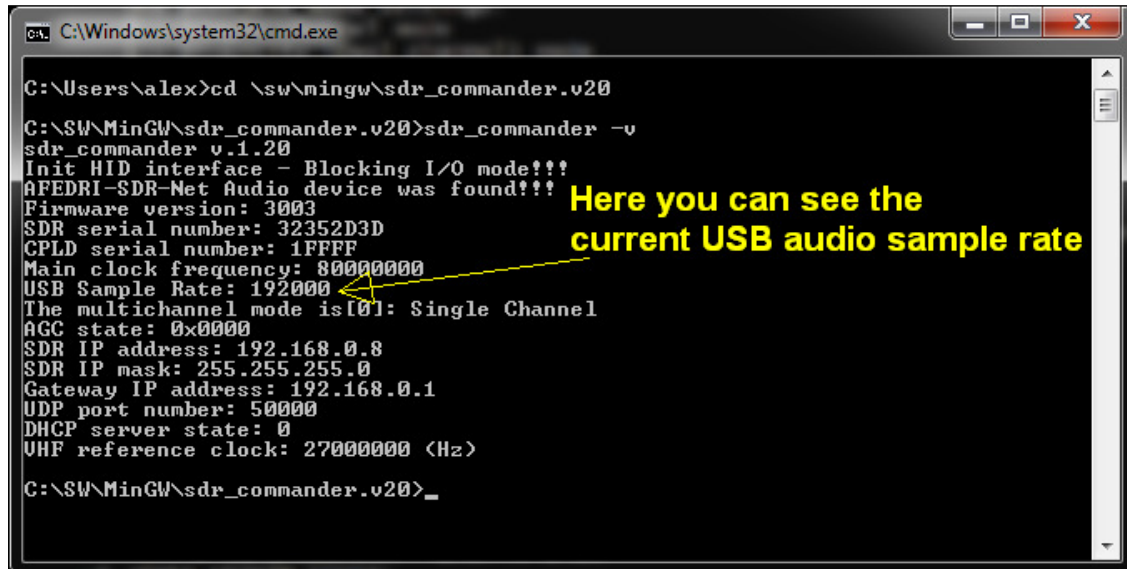
Note: SDR_Network_Control_Box application should be configured for USB connection ("Enable Network Interface" on "Network" tab - disabled).

See the screenshot below:

SDR Network Control Box x4 (v.5.18)

| SDR Control | Command shell | Filter tools | Network | Multy Channel RX | Telnet | About |

SDR IP Address
192.168.0.8

SDR IP Mask
255.255.255.0

Gateway IP Address
192.168.0.1

☐ *Edit Network Parameters*

Save Network Parameters

Sample rate (samples/s)
0

UDP Packets errors
0

☐ *Internet forward*
☑ *SDR-Net discovery*
☐ *DHCP client*
☐ *Disable DHCP Server*
☐ *Emulation ID*

Save As Default ID

Multi Stream
Off

Save Multi Stream

Destination IP Address
192.168.0.1

Destination Port
50000

☐ *Enable Network Interface*

For USB connection -
SDR_Control should be started
with this check box unchecked
(disabled)

Network Sample Rate
192000   1000000

☐ *Start UDP Stream*
☐ *Broadcast UDP Stream*
☐ *Broadcast Slave*
☐ *multicast protocol*

Or alternatively you can use sdr_commander utility, running
it in Command shell window (DOS shell)