

Short instructions: Flashing a German 7490 to international Firmware

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Preliminary note:

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Unfortunately, the ruKernelTool does not yet directly support flashing the FritzBox 7490. Nevertheless you can still re-flash the 7490 using the ruKernelTool and the original AVM-Recovery by a few steps.

Note:

The used Firmwares/Recoveries(-Versions) are as of 1st June 2015 and might already be no longer available or replaced by new ones. The directories, from which you can download the current Recovery.exe are listed in the following instructions (in step 1).

Step 1 - Download the current Recovery versions

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- Download the current international Recovery.exe from here:

[ftp://ftp.avm.de/fritz.box/fritzbox.7490/x\\_misc/english/](ftp://ftp.avm.de/fritz.box/fritzbox.7490/x_misc/english/)

Most recent version is: "FRITZ.Box\_7490.en-de-es-it-fr-pl.06.20.recover-image.exe"

[ftp://ftp.avm.de/fritz.box/fritzbox.7490/x\\_misc/english/FRITZ.Box\\_7490.en-de-es-it-fr-pl.06.20.recover-image.exe](ftp://ftp.avm.de/fritz.box/fritzbox.7490/x_misc/english/FRITZ.Box_7490.en-de-es-it-fr-pl.06.20.recover-image.exe)

- And as a precaution also download the German version from here:

[ftp://ftp.avm.de/fritz.box/fritzbox.7490/x\\_misc/deutsch/](ftp://ftp.avm.de/fritz.box/fritzbox.7490/x_misc/deutsch/)

Most recent version is: "FRITZ.Box\_7490.06.24.recover-image.exe"

[ftp://ftp.avm.de/fritz.box/fritzbox.7490/x\\_misc/deutsch/FRITZ.Box\\_7490.06.24.recover-image.exe](ftp://ftp.avm.de/fritz.box/fritzbox.7490/x_misc/deutsch/FRITZ.Box_7490.06.24.recover-image.exe)

Step 2 - Preparation of the Fritzbox using the ruKernelTool

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Similar How-Tos with pictures can be found here:

<http://rukerneltool.rainerullrich.de/index.html#HowTos>

Please look at one of these instructions prior to continuing, in order to make sure you saw the ruKernelTool's handling and operation once.

- FritzBox's Web interface: Create a backup of the current configuration. (As a precaution: Once with and once w/o a password). Please remember the password! ;-)

- Download ruKernelTool from the homepage:

<http://rukerneltool.rainerullrich.de/#betatest>

There you'll find the download link and also a link to the credentials required for downloading.

- Extract archive ruKernelTool.zip, launch the ruKernelTool, go through the setup-wizard.

- Change to tab "Netzwerk" ("Network") and click "MediaSensing abschalten" ("Turn off mediasensing). Now reboot the computer. After the reboot, launch the ruKernelTool again.

- On the tab "Netzwerk" ("Network") select the network interface, to which the FritzBox is connected via LAN (not WLAN!).
- Activate the "Expert Mode" in the settings: Menu "Einstellungen" ("Settings") -> "Experten-Modus" ("Expert Mode")
- Change to tab "Upload" and click "In Adam2 halten" ("Hold in Adam2").
- When the black (DOS-)Window opens, type in the following two lines one after the other (pay attention to upper-/lowercase!):

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quote SETENV firmware_version avme    (not avm, but avme, with "e" at the end)
quote REBOOT
quit
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=> The FritzBox now reboots and gets into a Reboot-Loop, but that's totally normal in our case and not a problem. The FritzBox Web-interface is no longer reachable due to this.

### Step 3 - Recover the FritzBox

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- Now execute the  
"FRITZ.Box\_7490.en-de-es-it-fr-pl.06.20.recover-image.exe"  
which you downloaded earlier and follow the instructions.  
You can find instructions with pictures here:  
<http://router-faq.de/index.php?id=fb&fb=recover>  
In pdf-Format:  
<http://router-faq.de/fb/recover/firmware-recover.pdf>

=> Now the FritzBox should boot again and be reachable via network.

- If you set your network interface to static IP-Address, please set it back to DHCP now.

In case of problems with the ruKernelTool refer to the comprehensive FAQ:  
<http://rukerneltool.rainerullrich.de/FAQ.html>

For further help or questions regarding flashing (not for common questions regarding routers!) you can contact the ruKernelTool-Team via Email under the following address:  
rukerneltool-support@rainerullrich.de

I wish you success and happy computing  
R@iner

Thanks to Andy for the translation!  
Based on Kurzanleitung\_deutsche-7490-auf-internationale-Firmware-umflashen\_V1.03.txt, 25.01.2016

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