

# How To – Automatic update via SSH

## Automatic update for TAINY EMOD and TAINY HMOD via SSH interface

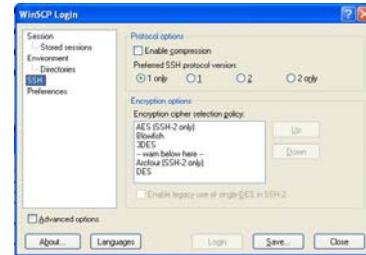
With the help of SSH (Secure Shell), it is possible to perform a remote firmware update on the TAINY. The following example describes the update procedure and the settings required using WinSCP and SSH client software.

### Advice

Set the parameter "Preferred SSH protocol version" to "1 only".

### Version

The current system version of the TAINY can be obtained through the TAINY web interface or by opening `,sys.version'` file via SSH client software:



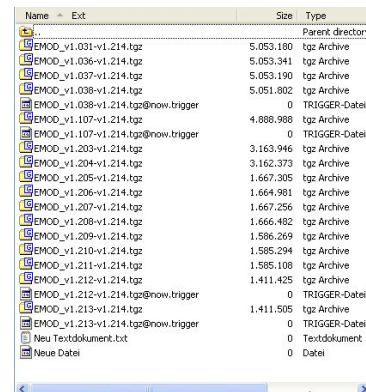
### SSH command

`cat /packages/sys.version`

### Update file

Load the appropriate update file with WinSCP into the update directory of the device. The particular update file is available at the service branch of the TAINY series on [www.neuhaus.de](http://www.neuhaus.de).

After the update file has been loaded into the device, a trigger file has to be created manually, which causes the device to initiate the update process. The file name must comply with the following structure:



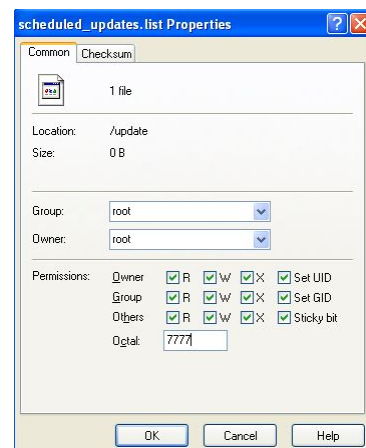
### Trigger file

Filename\_of\_the\_update\_file@now.trigger

*Example:* `EMOD_v1.036-v1.214.tgz@now.trigger`

### Postpone the file

1. Open update directory
2. Copy and paste update file
3. Set rights: right click → properties → Octal: 7777
4. Copy and paste trigger file



When the device detects the trigger file, the update process starts automatically.

By combing this process in a script the updates can be automated.

Name	Ext	Size	Changed	Rights	Owner
..			14.12.2011 15:06	rw-r-xr-x	root
update.history		105	25.08.2011 16:29	rw-r--r--	root
EMOD_v1.213-v1.214.tgz		1.411.505	25.08.2011 13:58	rw-r--r--	root
EMOD_v1.213-v1.214.tgz@now...		0	27.10.2011 12:08	rw-r--r--	root