



Upgrade S.USV Firmware / Software

Compatible with S.USV pi basic and S.USV pi advanced

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1 S.USV Software

1.1 Delete old version

Before the installation of the new version you have to remove the old S.USV Software package. To do this, please perform the following commands:

1. Please stop the S.USV Daemon, if it is actually running. To do so please change to the path `/opt/susvd/` and perform the following command:

```
sudo ./susvd -stop
```

2. Please remove the actually installed package, using the following command:

```
sudo dpkg -r susvd-en-x.x-all (x.x stands for the actually installed version)
```

1.2 Install new version

1. Please download the actual version of the provided debian package from our download section and save it to any local memory address on your Raspberry Pi.
2. To install the Debian package on your Raspberry Pi switch to the directory in which the debian package is located and perform the following commands in the command line.

```
sudo tar -xvzf susvd-en-x.x-all.tar.gz ( to unzip the tar file )
```

```
sudo dpkg -i susvd-en-x.x-all.deb ( to install the debian package )
```

3. The actual S.USV Client and Daemon are now fully installed and ready for use.
(The installed files are located in the following path: `/opt/susvd`)
4. If the installation was successful you have to start the Daemon in order for the S.USV to work correctly by using the following command (Refer to section 4 for a description of all the commands):

```
sudo ./susvd -start
```

The correct start of the Daemon will be shown in the console output.

5. If everything is done, you can use the full functionality of the S.USV.

2 S.USV Firmware

2.1 Flash new Firmware

1. Please download the actual version of the provided firmware package from our download section, save it to any local memory address on your Raspberry Pi and unzip the tar file, using the following command:

```
sudo tar -xvzf susv_fw_xx.tar.gz
```

2. To flash the firmware of the S.USV, switch to the directory in which the S.USV-Client is located (/opt/susvd/) and perform the following commands in the command line.

```
./susv -flash <path to the HEX file>
```

3. The firmware will be flashed and the S.USV will automatically be restarted.
4. If everything is done, you can use the full functionality of the S.USV.

