Accelerate© - SPB229 EVB- Driver Install User Guide

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1 General

This document gives a brief overview of the set-up and use of the SPB229 in networks.
NB! This document also applies to HDG229.

1. Copy driver package to appropriate directory on the Linux computer and extract.

```
$ cd <path>
$ cp <source path>/ .
$ tar xvfz linux_sdio_driver_229_<date>_<svn_release_no>.tar.gz
```

2. Run the install-driver script (select if SPB229 module have LTE filter or not to get the right calibration file)

```
$ cd linux_sdio_driver_229
$ ./install-driver.sh lte=y|n
```

2 Start

Network start-up procedure

1. Load WLAN driver in network mode (operating STA mode only. If AP mode is also desired, set drv_mode=3)

```
$ sudo insmod mlan.ko
$ sudo insmod sd8xxx.ko drv_mode=1 mfg_mode=0 fw_name=mrvl/sdsd8977_combo_v2.bin
cal_data_cfg=mrvl/WlanCalData_ext.conf cfg80211_wext=0x0f
```

mfg_mode=0 specifies that the FW to be used in network mode
cal_data_cfg=...... specifies path to the WlanCalData_ext-conf file containing specific configurations for the device such as RF switch setting, loss compensation, tuning and clock frequency.
cfg80211_wext=0x0f makes sure that both wireless extension and cfg80211 interfaces are enabled

2. Load BT driver

```
$ sudo insmod bt8xxx.ko fw_name=mrvl/sdsd8977_combo_v2.bin
```

3. System is now ready to operate Wireless Extensions, wpa_supplicant(/hostapd) and BlueZ stack from Linux user space.

4. See further details in SPB229 Software Developers Guide http://linux.hd-wireless.se/bin/view/Linux2/DownloadHDG229

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