

Accelerate[®] - SPB209A EVB- Driver Install User Guide

Table of Content

1	GENERAL.....	2
2	START.....	2

1 General

This document gives a brief overview of the set-up and use of the SPB209A in networks.

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

```
$ cd <path>
$ cp <source path>/ .
$ tar xvfz spb209a_linux_sdio_driver_<svn_release_no>_<date>.tar.gz
```

2. Run the install-driver script (select if SPB209A module have LTE filter or not to get the right calibration file)

```
$ cd spb209a_linux_sdio_driver
$ ./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 requires set drv_mode=3)

```
$ sudo insmod mlan.ko
$ sudo insmod sd8xxx.ko drv_mode=1 mfg_mode=0 fw_name=mrvl/sdio8887_uapsta_a2.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
```

3. System shall be ready to operate Wireless Extensions, hostapd and BlueZ stack from Linux user space.
4. See further details in SPB209A Software Developers Guide <http://linux.hd-wireless.se/bin/view/Linux2/DownloadHDG209A>

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