



EWM-W188 ds100 debian Bluetooth Porting Guide

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EWM-W188 Bluetooth porting guide for ds100debian

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Porting

A. Add following configure in project deconfig

CONFIG_BT_INTEL=y
CONFIG_BT_BCM=y
CONFIG_BT_RTL=y
CONFIG_BT_HCIBTUSB=y
CONFIG_BT_HCIBTUSB_BCM=y
CONFIG_BT_HCIBTUSB_RTL=y
B. Add 8822b patch on rtlbt in kernel. <https://patchwork.kernel.org/patch/9323749/>
C. Download firmware on https://github.com/wkennington/linux-firmware/tree/master/rtl_bt Copy
rtl8822b_config.bin, rtl8822b_fw.bin to /lib/firmware/rtl_bt/ on DUT

Test

```
root@linaro-alip:~# hciconfig
hci0: Type: Primary Bus: USB
BD Address: 00:00:00:00:00:00 ACL MTU: 0:0 SCO MTU: 0:0
DOWN
RX bytes:14 acl:0 sco:0 events:1 errors:0
TX bytes:3 acl:0 sco:0 commands:1 errors:0
root@linaro-alip:~# hciconfig -a
hci0: Type: Primary Bus: USB
BD Address: 00:00:00:00:00:00 ACL MTU: 0:0 SCO MTU: 0:0
DOWN
RX bytes:14 acl:0 sco:0 events:1 errors:0
TX bytes:3 acl:0 sco:0 commands:1 errors:0
Features: 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00
Packet type: DM1 DH1 HV1
Link policy:
Link mode: SLAVE ACCEPT
root@linaro-alip:~# hciconfig hci0 up
[ 27.926398] Bluetooth: hci0: rtl: examining hci_ver=07 hci_rev=000b lmp_ver=07
lmp_subver=8822
[ 27.935080] Bluetooth: hci0: rtl: loading rtl_bt/rtl8822b_config.bin
[ 27.945284] Bluetooth: hci0: rtl: loading rtl_bt/rtl8822b_fw.bin
[ 27.954356] Bluetooth: hci0: rom_version status=0 version=2
[ 27.960009] Bluetooth: cfg_sz 14, total size 20270
root@linaro-alip:~# hcitool scan
Scanning ...
00:1A:7D:DA:71:13 PC020802
2C:8B:7C:14:62:61 Y1
24:FD:52:8B:A5:D3 NB020903
F4:60:E2:A3:F2:E9 Bigboss
38:BA:F8:D2:14:4F NB080164
22:22:43:21:58:90 rk3368
60:F6:77:A1:42:F7 NB070308
80:35:C1:4E:15:30
F8:94:C2:8F:F8:C1 daniel
90:61:AE:61:46:A2 NB061001
root@linaro-alip:~#
```

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