

Bluetooth

bluetooth should work in 4.14 and 4.19 except BTLE

<http://forum.banana-pi.org/t/bpi-r2-new-image-ubuntu-16-04-v1-2-1-bt-and-wifi-ap-mode-are-working-fine-2017-11-27/4291>

<http://forum.banana-pi.org/t/bpi-r2-kernel-bluetouh-module/4592/46>

```
root@bpi-r2-ubuntu:~# apt-get install bluez
# #enable combo-chip via wmt-tools
root@bpi-r2-ubuntu:~# wmt_loader
root@bpi-r2-ubuntu:~# stp_uart_launcher -p /etc/firmware &
root@bpi-r2-ubuntu:~# hciconfig -a
hci0: Type: Primary Bus: SDIO
BD Address: 00:00:00:00:00:00 ACL MTU: 0:0 SCO MTU: 0:0
DOWN
RX bytes:0 acl:0 sco:0 events:0 errors:0
TX bytes:0 acl:0 sco:0 commands:0 errors:0
Features: 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00
Packet type: DM1 DH1 HV1
Link policy:
Link mode: SLAVE ACCEPT #<<<<<< wrong mode for connect to client-
devices
root@bpi-r2-ubuntu:~# hciconfig -a hci0 lm master
root@bpi-r2-ubuntu:~# hciconfig -a
hci0: Type: Primary Bus: SDIO
BD Address: 00:00:00:00:00:00 ACL MTU: 0:0 SCO MTU: 0:0
DOWN
RX bytes:0 acl:0 sco:0 events:0 errors:0
TX bytes:0 acl:0 sco:0 commands:0 errors:0
Features: 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00
Packet type: DM1 DH1 HV1
Link policy:
Link mode: MASTER #<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
now we are in master-mode
root@bpi-r2-ubuntu:~# hciconfig hci0 up
root@bpi-r2-ubuntu:~# hciconfig -a
hci0: Type: Primary Bus: SDIO
BD Address: 00:00:46:85:90:01 ACL MTU: 1021:4 SCO MTU: 184:1
UP RUNNING
RX bytes:554 acl:0 sco:0 events:27 errors:0
TX bytes:386 acl:0 sco:0 commands:27 errors:0
Features: 0xbf 0x3e 0x8d 0xfe 0xdb 0xff 0x5b 0x87
Packet type: DM1 DM3 DM5 DH1 DH3 DH5 HV1 HV2 HV3
Link policy: RSWITCH SNIFF
Link mode: MASTER
Name: 'MTK MT8590 #1'
Class: 0x001f00
Service Classes: Unspecified #<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
```


issues

Journalcontrol shows error

```
$ journalctl | grep bluetooth
bluetoothd[462]: a2dp-source profile connect failed for 18:F0:E4:FE:F5:58:
Protocol not available
```

this is maybe caused by a bluez5-bug

```
$ nano /etc/systemd/system/dbus-org.bluez.service
append: ExecStart=/usr/lib/bluetooth/bluetoothd --compat (or -C)
$systemctl daemon-reload
$systemctl restart bluetooth
```

thanks to user "yenseaman" from bananapi-forum

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