

Linux

Tips and tricks

- [Bluetooth](#)

Bluetooth

Bluetooth on VoidLinux

- <https://docs.voidlinux.org/config/bluetooth.html>
- <https://wiki.archlinux.org/index.php/Bluetooth#Pairing>

Using mascot

```
#!/usr/bin/fish
test -n "$argv[1]" && set user "$argv[1]" || set user hxd

mascot-config "Set up Bluetooth for user $user" |
mascot-config-xbps-package bluez installed |
mascot-config-runit-service --require 'Delegated("XBPS package \"bluez\")' bluetoothd running
|
mascot-config-group --require 'Delegated("XBPS package \"bluez\")' bluetooth present -G
"$user"
```

Connecting devices

- TUI: `bluetui`

Pro Controller

1. Restart bluetoothd
2. Plug in USB-C cable to the controller
3. Hold home button on the controller until it starts blinking fast
4. Pair with using command line:

```
bluetoothctl
scan on
# wait for scan to find device; try scan off/scan on if nothing popping up
pair 98:B6:BB:E0:55:97
connect 98:B6:BB:E0:55:97
```

```
trust 98:B6:BB:E0:55:97
devices
```

5. May need to type yes to authorize agent request
6. Use `btmon` to see if data is coming

```
98:B6:0B:E9:75:16 Pro Controller
98:B6:BB:E0:55:97 Pro Controller - auth issue
98:B6:FC:AC:9B:4C Pro Controller
```

98:B6:BB:E0:55:97

```
    Status: Authentication Failure (0x05)
    Handle: 256 Address: 98:B6:BB:E0:55:97 (OUI 98-B6-BB)
@ MGMT Event: Authentication Failed (0x0011) plen 8                {0x0001} [hci0]
100.247295
    BR/EDR Address: 98:B6:BB:E0:55:97 (OUI 98-B6-BB)
    Status: Authentication Failed (0x05)
@ MGMT Event: Authentication Failed (0x0011) plen 8                {0x0002} [hci0]
100.247295
    BR/EDR Address: 98:B6:BB:E0:55:97 (OUI 98-B6-BB)
    Status: Authentication Failed (0x05)
bluetoothd[21258]: = profiles/input/device.c:control_connect_cb() connect to
98:B6:BB:E0:5.. 100.248364
< HCI Command: Disconnect (0x01|0x0006) plen 3                    #203 [hci0]
100.253020
    Handle: 256 Address: 98:B6:BB:E0:55:97 (OUI 98-B6-BB)
    Reason: Remote User Terminated Connection (0x13)
```

PS3 Controller

If you get asked to enter pin, try `0000` or `1111`, if that does not work try editing `/etc/bluetooth/input.conf` and restart the service:

```
ClassicBondedOnly=false
```

```
00:1E:3D:9A:A1:F4 Sony PLAYSTATION(R)3 Controller
```

Try:

- Connect via USB, then disconnect, connect again while running `bluetoothctl`
- It will ask to authorize service? For like 2 seconds... type yes?

- ```
[Sony PLAYSTATION(R)3 Controller]# Authorize service
[Sony PLAYSTATION(R)3 Controller]# [agent] Authorize service 00001124-0000-1000-8000-
00805f9b34fb (yes/no): yes
```

## ThinkPad Wireless Keyboard

When connecting keyboard it does print code in the `bluetoothctl` console. Punch the number in the keyboard followed by enter to pair successfully.

If function keys are not working try switching from Android to PC mode using sliding switch on top of the keyboard.

```
D5:2F:2F:55:CB:69 TrackPoint Keyboard II
```

## JBL speaker

```
xi libspa-bluetooth
restart wireplumber
```