

CULTIVATION SYSTEM DEVELOPMENT PH.4 COURSE

6

APPENDIX

First edition



Bright Eyes Academy

TABLE OF CONTENTS

- Set up the Bluetooth interface
- Install the Bluetooth library for the Python

1. SET UP THE BLUETOOTH INTERFACE

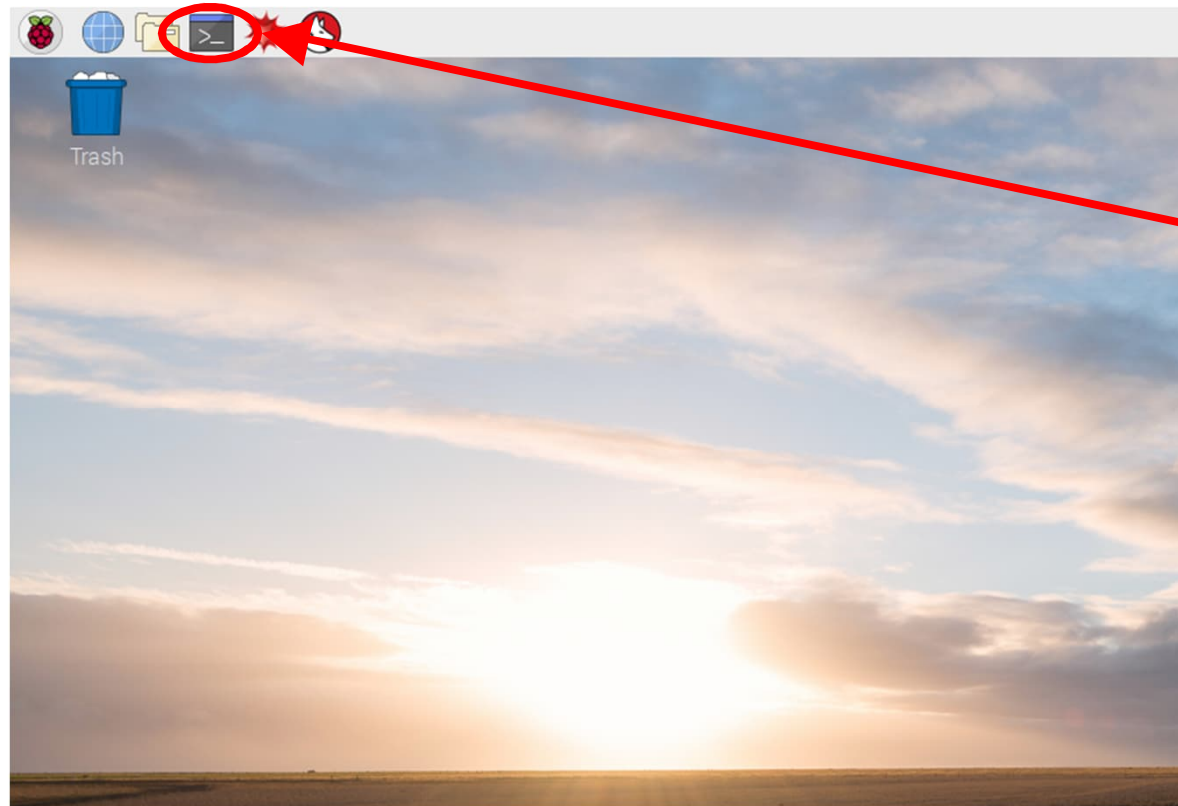
Bluetooth interface activation procedure



The Bluetooth icon is displayed in blue.
If the icon is grayed out,
click the icon to turn on Bluetooth.

2. INSTALL THE BLUEEY LIBRARY FOR THE PYTHON

Library installation procedure



Open the terminal.

File Edit Tabs Help

```
pi@raspberrypi:~ $ sudo apt update
```

Update system package list

Type "sudo apt update" and press Enter.

File Edit Tabs Help

```
pi@raspberrypi:~ $ sudo apt upgrade
```

Upgrade all installed packages to the latest version

Type "sudo apt upgrade" and press Enter.

File Edit Tabs Help

```
pi@raspberrypi:~ $ sudo apt clean
```

Clear package cache

Type "sudo apt clean" and press Enter.

```
File Edit Tabs Help
pi@raspberrypi:~ $ sudo apt install python3-pip libglib2.0-dev
```

Type "sudo apt install python3-pip libglib2.0-dev" and press Enter.

```
File Edit Tabs Help
pi@raspberrypi:~ $ sudo pip3 install bluepy
```

Type "sudo pip3 install bluepy" and press Enter.

```
File Edit Tabs Help
pi@raspberrypi:~ $ sudo timeout 5s hcitool lescan
LE Scan ...
62:BB:22:AA:55:44 (unknown)  )
XX:XX:XX:XX:XX:XX sps      1-6298
CC:BB:33:EE:88:22 (unknown) )
                          )
                          )
                          )
                          )
pi@raspberrypi:~ $
```

Type "sudo timeout 5s hcitool lescan" and press Enter.

The address where sps is displayed is the MAC address of the target device. Check the MAC address in the specifications of the target device, application, etc.

CULTIVATION SYSTEM
DEVELOPMENT PH.4 COURSE
6. APPENDIX

Issue Date: First edition published 1st November 2021

Author: Dr. KAGA, Yoshitaka

Publishing company: Neo Career Promote CO., LTD.

Address: 5-1-11-202, Okusawa Setagaya-ku TOKYO 158-0083 JAPAN

Home Page: <https://www.ncp-8.com/>

Contact E-mail: info@ncp-8.com