

# LAVENDER QC MANUAL



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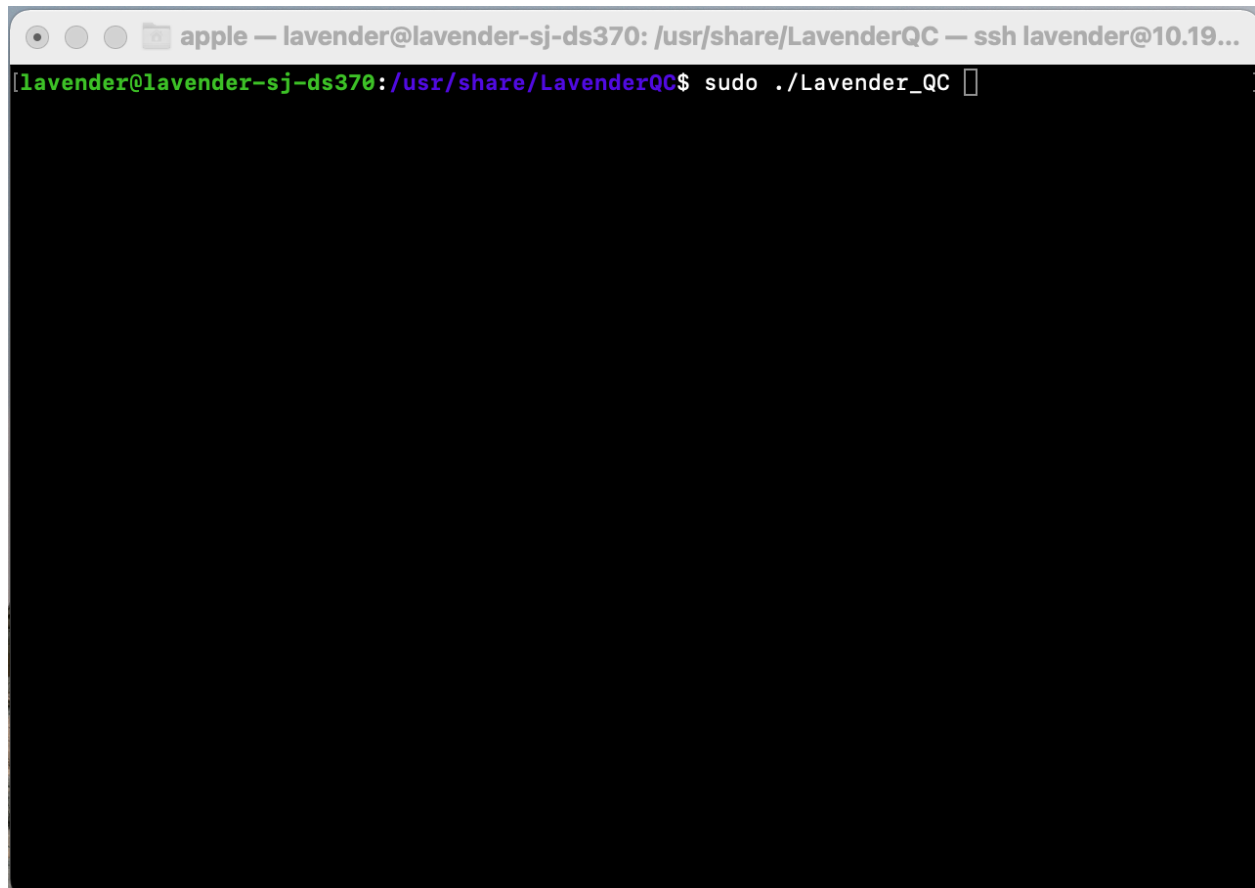
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## Lavender FTDI Change Description & Process Checking

Step 1: Execute Checking file [ Lavender\_QC ]

Path: /usr/share/LavenderQC

\$ sudo ./Lavender\_QC

A terminal window titled 'apple — lavender@lavender-sj-ds370: /usr/share/LavenderQC — ssh lavender@10.19...' is shown. The terminal prompt is '[lavender@lavender-sj-ds370:/usr/share/LavenderQC\$' and the command 'sudo ./Lavender\_QC' has been entered, followed by a cursor. The rest of the terminal area is black, indicating the output of the script is not visible.

```
apple — lavender@lavender-sj-ds370: /usr/share/LavenderQC — ssh lavender@10.19...
[lavender@lavender-sj-ds370:/usr/share/LavenderQC$ sudo ./Lavender_QC ]
```

## Step 2: Process checking will run [Serial Port Check ]

Serial Port 1 and Port 2 should be received data

Press "Enter" to check the next process.

```
apple — lavender@lavender-sj-ds370: /usr/share/LavenderQC — ssh lavender@10.19...  
DATE & TIME  
Fri 10 Jun 14:41:58 +07 2022  
  
Please Connect The Serial Loop Back Wire.  
Checking Serial port...  
Read 6 bytes. Port 1 Received message: FROM2  
Read 6 bytes. Port 2 Received message: FROM1  
Read 6 bytes. Port 1 Received message: FROM2  
Read 6 bytes. Port 2 Received message: FROM1  
Read 6 bytes. Port 1 Received message: FROM2  
Read 6 bytes. Port 2 Received message: FROM1  
Read 6 bytes. Port 1 Received message: FROM2  
Read 6 bytes. Port 2 Received message: FROM1  
Read 6 bytes. Port 1 Received message: FROM2  
Read 6 bytes. Port 2 Received message: FROM1  
Read 6 bytes. Port 1 Received message: FROM2  
Read 6 bytes. Port 2 Received message: FROM1  
Read 6 bytes. Port 1 Received message: FROM2  
Read 6 bytes. Port 2 Received message: FROM1  
Read 6 bytes. Port 1 Received message: FROM2  
Read 6 bytes. Port 2 Received message: FROM1  
Read 6 bytes. Port 1 Received message: FROM2  
Read 6 bytes. Port 2 Received message: FROM1  
Read 6 bytes. Port 1 Received message: FROM2  
Read 6 bytes. Port 2 Received message: FROM1  
Read 6 bytes. Port 1 Received message: FROM2  
Read 6 bytes. Port 2 Received message: FROM1  
=====
```

```
=====  
Press Enter to Continue
```

## Serial Port Fail case.

Press "Enter" to check the next process.

```
Please Connect The Serial Loop Back Wire.
Checking Serial port...
Read 0 bytes. Port 1 Received message:
Cannot recieved data!!!
Please checking the serial loop back wire and try again.
```

Step 3: Process checking will run [USB FTDI Description Check ]

The Description should be LAV-LOOP[1-4]

(\* Depend on the number of interface card connected to the Lavender box )

Press "Enter" to check the next process.

```
apple — lavender@lavender-sj-ds370: ~ — ssh lavender@10.195.2.111 — 90x29
Read 6 bytes. Port 1 Received message: FROM2
Read 6 bytes. Port 2 Received message: FROM1
Read 6 bytes. Port 1 Received message: FROM2
Read 6 bytes. Port 2 Received message: FROM1
Read 6 bytes. Port 1 Received message: FROM2
Read 6 bytes. Port 2 Received message: FROM1
Read 6 bytes. Port 1 Received message: FROM2
Read 6 bytes. Port 2 Received message: FROM1
Read 6 bytes. Port 1 Received message: FROM2
Read 6 bytes. Port 2 Received message: FROM1
Read 6 bytes. Port 1 Received message: FROM2
Read 6 bytes. Port 2 Received message: FROM1
Read 6 bytes. Port 1 Received message: FROM2
Read 6 bytes. Port 2 Received message: FROM1
=====
=====
Press Enter to Continue

Checking USB Description...
Number of devices is 1
Dev 0:
  SerialNumber=ETCYPV1D
  Description=LAV-LOOP1
=====
=====
Press Enter to Continue
█
```

Step 4: Process checking will run [Host Name Check ]

The hostname should be LAV-CTRL-OR[Lavender box number]

Press "Enter" to check the next process.

```
apple — lavender@lavender-sj-ds370: ~ — ssh lavender@10.195.2.111 — 90x29
Read 6 bytes. Port 1 Received message: FROM2
Read 6 bytes. Port 2 Received message: FROM1
Read 6 bytes. Port 1 Received message: FROM2
Read 6 bytes. Port 2 Received message: FROM1
Read 6 bytes. Port 1 Received message: FROM2
Read 6 bytes. Port 2 Received message: FROM1
Read 6 bytes. Port 1 Received message: FROM2
Read 6 bytes. Port 2 Received message: FROM1
=====
=====
Press Enter to Continue

Checking USB Description...
Number of devices is 1
Dev 0:
  SerialNumber=FTCXRY1D
  Description=LAV-LOOP1
=====
=====
Press Enter to Continue

Your Hostname is: LAV-CTRL-OR0082
=====
=====
Press Enter to Continue
█
```

Step 5: Process checking will run [Mount Path Check ]

MOUNTPOINT should be /lavender

Press "Enter" to check the next process.

```
apple — lavender@lavender-sj-ds370: ~ — ssh lavender@10.195.2.111 — 90x29
Press Enter to Continue

Mount path is:
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
loop0 7:0 0 4K 1 loop /snap/bare/5
loop1 7:1 0 55.5M 1 loop /snap/core18/2344
loop2 7:2 0 61.9M 1 loop /snap/core20/1494
loop3 7:3 0 240.8M 1 loop /snap/gnome-3-34-1804/24
loop4 7:4 0 247.9M 1 loop /snap/gnome-3-38-2004/87
loop5 7:5 0 219M 1 loop /snap/gnome-3-34-1804/77
loop6 7:6 0 81.3M 1 loop /snap/gtk-common-themes/1534
loop7 7:7 0 54.2M 1 loop /snap/snap-store/558
loop8 7:8 0 44.7M 1 loop /snap/snapd/15534
loop9 7:9 0 61.9M 1 loop /snap/core20/1405
loop10 7:10 0 248.8M 1 loop /snap/gnome-3-38-2004/99
loop11 7:11 0 44.7M 1 loop /snap/snapd/15904
loop12 7:12 0 65.2M 1 loop /snap/gtk-common-themes/1519
loop13 7:13 0 55.5M 1 loop /snap/core18/2409
loop14 7:14 0 49.8M 1 loop /snap/snap-store/433
sda 8:0 0 931.5G 0 disk
└─sda1 8:1 0 931.5G 0 part /lavender
=====
Press Enter to Continue
█
```

Step 6: Process checking will run [System Time&Date Check ]

Check the Local time

Press "Enter" to check the next process.

```
System time is:
    Local time: Mon 2022-06-06 10:43:46 +07
    Universal time: Mon 2022-06-06 03:43:46 UTC
    RTC time: Mon 2022-06-06 03:43:42
    Time zone: Asia/Bangkok (+07, +0700)
System clock synchronized: no
    NTP service: inactive
    RTC in local TZ: no
```

```
=====
```

```
=====
```

```
Press Enter to Continue
```

```
■
```



Step 7: Process checking will run [IP Address Check ]

IP address enp1s0 should be 192.168.0.201, enp2s0 should be 192.168.1.100

Press "Enter" to check the next process.

```
valid_lft forever preferred_lft forever
2: enp1s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:90:27:e7:38:1e brd ff:ff:ff:ff:ff:ff
    inet 192.168.0.201/24 brd 192.168.0.255 scope global noprefixroute enp1s0
        valid_lft forever preferred_lft forever
    inet6 fe80::290:27ff:fee7:381e/64 scope link
        valid_lft forever preferred_lft forever
3: enp2s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:90:27:e7:38:1f brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.100/24 brd 192.168.1.255 scope global dynamic noprefixroute enp2s0
        valid_lft 86277sec preferred_lft 86277sec
    inet6 fe80::5245:6735:a752:cf1f/64 scope link noprefixroute
```

Step 8: Process checking will run [Image Version Check ]

Press "Enter" to check the next process.

```
apple — lavender@lavender-sj-ds370: ~ — ssh lavender@10.195.2.111 — 90x29

3: eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1
000

    link/ether c4:00:ad:18:d0:50 brd ff:ff:ff:ff:ff:ff

    inet 192.168.1.100/24 brd 192.168.1.255 scope global noprefixroute eth1

        valid_lft forever preferred_lft forever

    inet6 fe80::2bfd:e436:703b:630d/64 scope link noprefixroute

        valid_lft forever preferred_lft forever

System Image Version Check:

Image version : 2.0.1
Image Release Date : 31-05-2022
Image File Name : PTT-Digital
Image File Name : PTT-Digital
Image File Name : PTT-Digital

=====
=====
Press Enter to Continue
█
```

Step 9: Process Checking will ask to re-run the process check again?

**y**: To go back to run step 2 - step 8 again.

**n**: To go changing process

Press "Enter" to check the next process.

```
[Process checking was finished do you want to run this the process again? | (y/N): n
You selected: n
=====
=====

Setup path please select number 1-4 that you need to change: or (ctl + c) to terminate:
[1] USB FTDI PRODUCT DESCRIPTION
[2] SYSTEM HOST NAME
[3] SYSTEM DATE & TIME
[4] SAVE & PROCESS CHECKING
█
```

=====END OF CHECKING PROCESS=====

## Changing Process

```
[Process checking was finished do you want to run this the process again? | (y/N): n
You selected: n
=====
=====
Setup path please select number 1-4 that you need to change: or (ctl + c) to terminate:
[1] USB FTDI PRODUCT DESCRIPTION
[2] SYSTEM HOST NAME
[3] SYSTEM DATE & TIME
[4] SAVE & PROCESS CHECKING
█
```

### Select 1: USB FTDI PRODUCT DESCRIPTION CHANGE

```
Setup path please select number 1-4 that you need to change: or (ctl + c) to terminate:
[1] USB FTDI PRODUCT DESCRIPTION
[2] SYSTEM HOST NAME
[3] SYSTEM DATE & TIME
[4] SAVE & PROCESS CHECKING
1

Checking USB Description...
Number of devices is 1
Dev 0:
  SerialNumber=FTCXRY1D
  Description=LAV-LOOP1
=====
=====
Press Enter to Continue
Please Select the Dev number to be changed:
0
```

Then select the device number and rename the device.

```
Setup path please select number 1-4 that you need to change: or (ctl + c) to terminate:
[1] USB FTDI PRODUCT DESCRIPTION
[2] SYSTEM HOST NAME
[3] SYSTEM DATE & TIME
[4] SAVE & PROCESS CHECKING
1

Checking USB Description...
Number of devices is 1
Dev 0:
  SerialNumber=FTCXRY1D
  Description=LAV-LOOP1
=====
=====
Press Enter to Continue
Please Select the Dev number to be changed:
0
Please Rename The Product Description: LAV-LOOP1█
```

Select 2: SYSTEM HOST NAME CHANGE.

```
[Process checking was finished do you want to run this the process again? | (y/N): n
You selected: n
=====
=====

Setup path please select number 1-4 that you need to change: or (ctl + c) to terminate:
[1] USB FTDI PRODUCT DESCRIPTION
[2] SYSTEM HOST NAME
[3] SYSTEM DATE & TIME
[4] SAVE & PROCESS CHECKING
█
```

Enter New Hostname

```
Setup path please select number 1-4 that you need to change: or (ctl + c) to terminate:
[1] USB FTDI PRODUCT DESCRIPTION
[2] SYSTEM HOST NAME
[3] SYSTEM DATE & TIME
[4] SAVE & PROCESS CHECKING
2

Please Enter New Hostname
lavender-sj-ds370█
```

Select 3: SYSTEM DATE & TIME CHANGE.

```
[Process checking was finished do you want to run this the process again? | (y/N): n
You selected: n
=====
=====

Setup path please select number 1-4 that you need to change: or (ctl + c) to terminate:
[1] USB FTDI PRODUCT DESCRIPTION
[2] SYSTEM HOST NAME
[3] SYSTEM DATE & TIME
[4] SAVE & PROCESS CHECKING
█
```

Enter Date and Time: Format (YYYY-MM-DD), (HH:MM:SS)

```
[Process checking was finished do you want to run this the process again? | (y/N): n
You selected: n
=====
=====

Setup path please select number 1-4 that you need to change: or (ctl + c) to terminate:
[1] USB FTDI PRODUCT DESCRIPTION
[2] SYSTEM HOST NAME
[3] SYSTEM DATE & TIME
[4] SAVE & PROCESS CHECKING
█
3

System date seting up: Date format (YYYY-MM-DD): 2022-06-06█
```

```
[System date seting up: Date format (YYYY-MM-DD): 2022-06-06
sudo timedatectl set-time '2022-06-06'
=====
=====

System Time seting up: Time format (HH:MM:SS): 10:54:30█
```

Select 4: Save & Process Recheck

```
Setup path please select number 1-4 that you need to change: or (ctl + c) to terminate:  
[1] USB FTDI PRODUCT DESCRIPTION  
[2] SYSTEM HOST NAME  
[3] SYSTEM DATE & TIME  
[4] SAVE & PROCESS CHECKING
```

Select 4: PROCESS CHECKING.

**\*\***(This Process will save & re-check the process at step 2 - step 8 again)

```
Setup path please select number 1-4 that you need to change: or (ctl + c) to terminate:  
[1] USB FTDI PRODUCT DESCRIPTION  
[2] SYSTEM HOST NAME  
[3] SYSTEM DATE & TIME  
[4] SAVE & PROCESS CHECKING
```

**\*\***(This Process will generate a log to the path: root/lavender\_check\_process.txt)