

# **Wireless auto switch base on AP repeater**

**Version 1.0**

### Version History

Version	Date	Handled by	Comments
V1.0	27-May-2019	ZL Chen	First version release.

### Precondition Setting:

Please make sure the DUT is connected to the internet.

- Setting the User Account Control Setting.
  - ✓ Please refer to the “[User Account Control Setting.pdf](#)” attachment  
(\automation\sop\User Account Control Setting)
- Install the Chrome browser.
  - ✓ Please refer to the “[Chrome browser installation.pdf](#)” attachment.  
(\automation\sop\Chrome browser installation.pdf)
- Install the Python 3.6.8.
  - ✓ Please refer to the “[Python 3.6.8 installation.pdf](#)” attachment.  
(\automation\sop\Python 3.6.8 installation.pdf)
- Install the third party library.
  - ✓ Double click the “[Envir\\_Install.exe](#)” under the installer folder.  
(\automation\installer\Envir Install.exe)

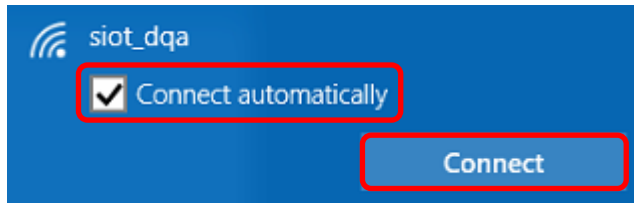
Please follow the implement as below:

Step 1:

Please make sure the Wi-Fi is connecting to the repeater.

SSID: [siot\\_dqa](#)

Password: [ad20151225](#)



Step 2:

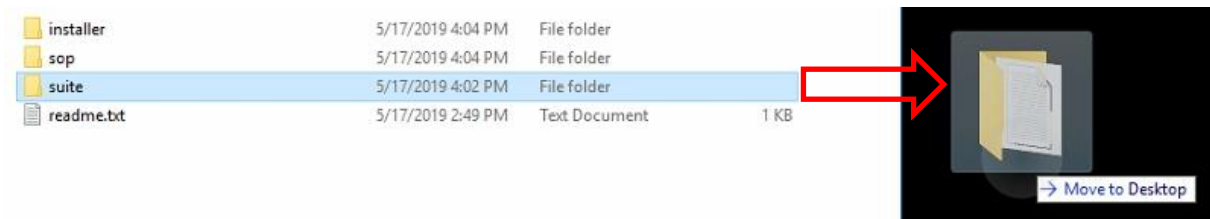
Please delete all of the [known networks](#), because you need make sure the network just only attach to the “siot\_dqa” repeater.

Manage known networks



### Step 3:

Please copy the roaming folder to the DUT's desktop.



Implement the wireless\_switch.pyc under the “\suite\wireless\_switch\” folder.

```
Directory of C:\Users\DQA\Desktop\suite\wireless_switch
08/27/2019 10:49 AM <DIR> .
08/27/2019 10:49 AM <DIR> ..
08/27/2019 10:49 AM <DIR> backup
05/17/2019 10:13 AM 367 backup_log.bat
08/19/2019 10:46 AM 8,543,744 chromedriver.exe
08/27/2019 10:36 AM 6,396 wireless_switch.pyc
3 File(s) 8,550,507 bytes
3 Dir(s) 184,058,036,224 bytes free

C:\Users\DQA\Desktop\suite\wireless_switch>wireless_switch.pyc
```

### Step 4:

Please input the “Cycle Times”, “Frequency”, “SSID name” you want. (Ex: 1), and then tap the “Enter”.

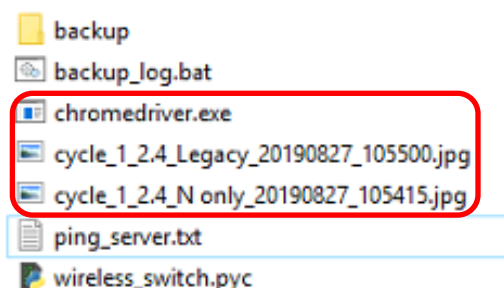
The program is start running.

```
C:\Users\DQA\Desktop\suite\wireless_switch>wireless_switch.pyc
Could Not Find C:\Users\DQA\Desktop\suite\wireless_switch\*.txt
Could Not Find C:\Users\DQA\Desktop\suite\wireless_switch\*.log
Could Not Find C:\Users\DQA\Desktop\suite\wireless_switch\*.jpg
ERROR: The process "chromedriver.exe" not found.
Cycle times: 1
Frequency (ex: 2.4 or 5): 2.4
SSID name (ex: siot_dqa): siot_dqa
```

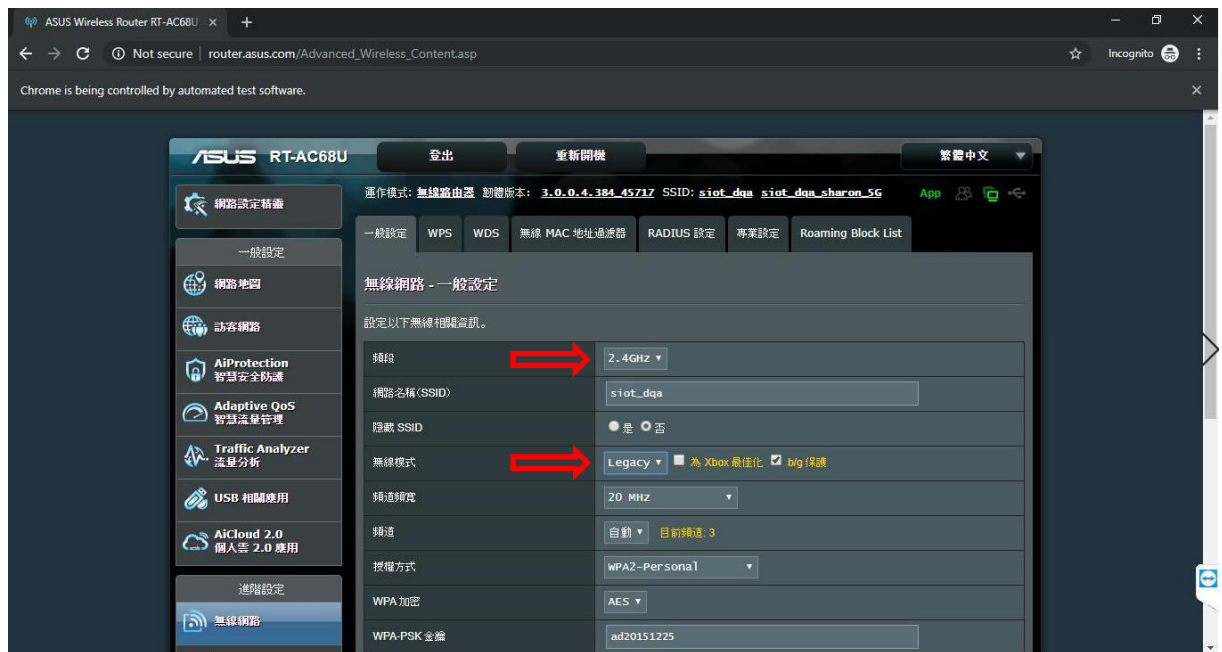
### Step 5:

When the program is completed, the windows should be closed.

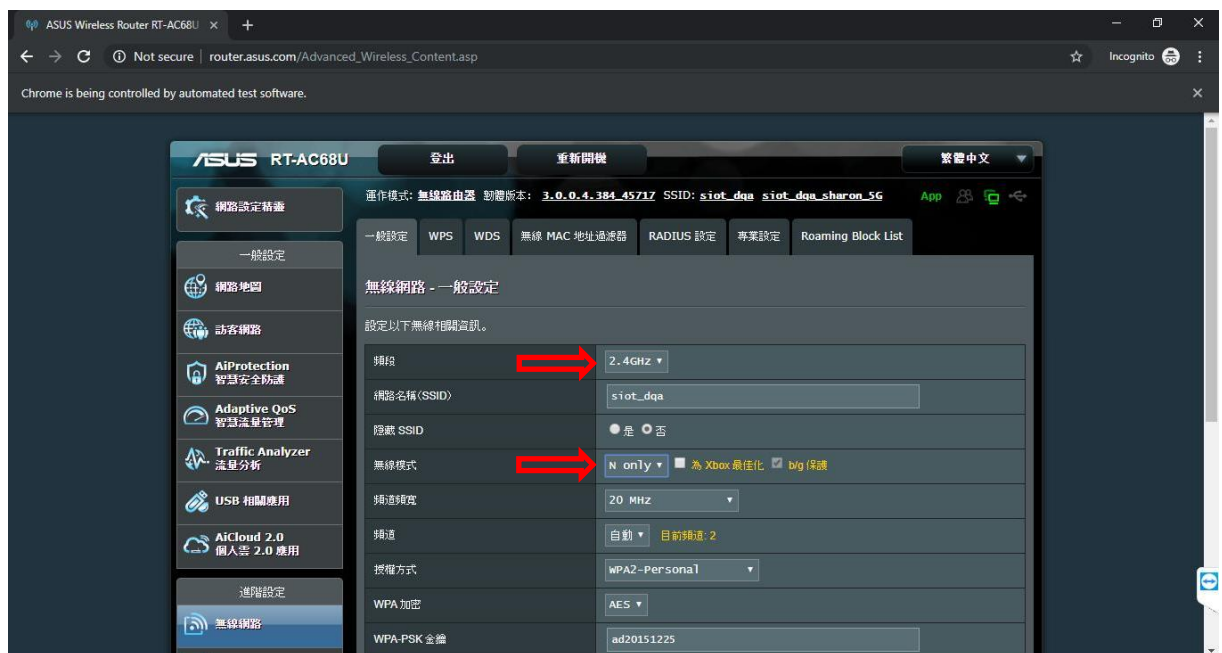
You can see the log under the “\wireless\_switch\” folder as below:



➤ cycle\_1\_2.4\_Legacy\_20190827\_105500.jpg



➤ cycle\_1\_2.4\_N only\_20190827\_105415.jpg



➤ ping\_server.txt

ping\_server.txt - Notepad

File Edit Format View Help

```
Pinging 8.8.8.8 with 32 bytes of data:
Reply from 8.8.8.8: bytes=32 time=2ms TTL=53
Reply from 8.8.8.8: bytes=32 time=4ms TTL=53
Reply from 8.8.8.8: bytes=32 time=13ms TTL=53
Reply from 8.8.8.8: bytes=32 time=3ms TTL=53
.

Ping statistics for 8.8.8.8:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 13ms, Average = 5ms
The connection is Passed.(PASS)
Cycle Times: 1, Passed: 1, Failed: 0 ←
Pinging 8.8.8.8 with 32 bytes of data:
Request timed out. |
Reply from 8.8.8.8: bytes=32 time=6ms TTL=53
Reply from 8.8.8.8: bytes=32 time=5ms TTL=53
Reply from 8.8.8.8: bytes=32 time=3ms TTL=53
.

Ping statistics for 8.8.8.8:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 3ms, Maximum = 6ms, Average = 4ms
The connection is Passed.(PASS)
Cycle Times: 1, Passed: 2, Failed: 0
Total Cycle Times: 1, Passed: 2, Failed: 0 ←
```