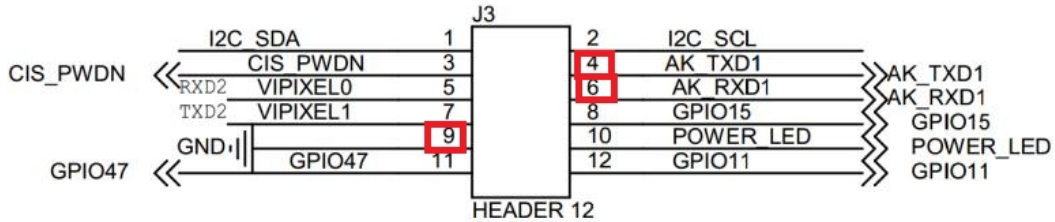


WFV3918 Mode Selection App Note

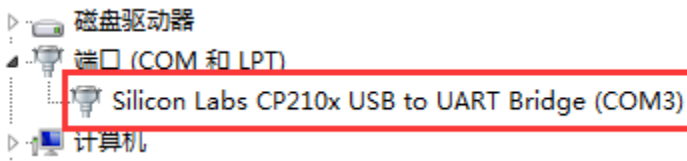
Amp'ed RF Technology, Inc.

1. STA Mode

- 1.1. Use an external serial adaptor on the three UART pins below. Note that these are TTL level and must be shifted to UART voltage levels using a bridge device such as the CP2101.



- 1.2. Connect to a PC UART Com port using a serial to UART adaptor



- 1.3. Using "SecureCRT" or "XShell", connect to the module (Login: root, password: cloud39e)

```
anyka login: root
Password:
welcome to file system
[root@anyka ~]$
```

- 1.4. cd /etc/jffs2

Enter etc/jffs2 folder

- 1.5. vi network.sh

Edit network.sh

1.6. Change AP to STA mode

```
#!/bin/sh
mode='AP'
if [ "$mode" == "AP" ]
then
    hostapd -B /etc/jffs2/hostapd_5G.conf
    ifconfig wlan0 192.168.60.1 netmask 255.255.255.0
    udhcpd /etc/jffs2/udhcpd.conf
elif [ "$mode" == "Station" ]
then
    wpa_supplicant -B -i wlan0 -c /etc/jffs2/wpa_5G.conf
    udhcpc -i wlan0&
else
    echo "wrong mode!"
fi
~
~
~
~
~
~
~
~
~
~
- network.sh 1/15 6%
```

1.7. vi wpa_5G.conf

Edit wpa_5G.conf

1.8. Use the “ssid” and “psk” from desired router

```
# request AP scanning and decide which AP to use
ap_scan=1

# enable control interface using UNIX domain sockets
ctrl_interface=/var/run/wpa_supplicant

# you can include one or more network blocks here
network={
    ssid="wf43s_5G"
    #key_mgmt=WPA-PSK
    #proto=WPA2
    #pairwise=CCMP
    psk="12345678"
}
~
~
~
~
~
~
~
~
~
~
- wpa_5G.conf 9/14 64%
```

1.9. Reboot the module and join to the router to get its IP address

- 1.10. Join a device (phone) to the router, and launch VLC using the module's IP address

```
Sending discover...
Sending discover...
Sending select for 192.168.3.120...
Lease of 192.168.3.120 obtained, lease time 86400
deleting routes
route: SIOCDELRT: No such process
adding dns 192.168.3.1
ifconfig: eth0: error fetching interface information: Device not found
start rtsp service

using url for sub channel "rtsp://192.168.3.120/sub_ch"
using url for main channel "rtsp://192.168.3.120/main_ch"

*** show_rtsp_param ***
vi_handle=0xc6730
main: width=1280, height=720
sub: width=640, height=360
min_qp=20, max_qp=51
gop_len=2, video_mode=1, method=0
v720p_fps=20, v720p_max_kbps=1024
vga_fps=20, vga_max_kbps=320
*** show_rtsp_param End ***
```