Ham 45I – ASL Firmware: WPA _Supplicant
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1. ASL has disabled the raspi-config WiFi wpa cupplicant.

2. Configuring for WiFi, the first time the card is set-up. Not needed for a copied card.
    a. Get SSID and PSK for the network.
    b. Be sure it is a network accessible to your PC and your tablet/phone.
    c. Go to AllStarLink wpa_supplicant builder. https://www.allstarlink.org/wifi-builder.php.
    d. Save the file wpa_supplicant.conf.
    e. Remove the SD card with image from the slot. Reinsert to make the boot directory show.
    f. Copy the wpa_supplicant.conf to the /boot directory on the SD card.
    g. Extract SD card again. Insert in Pi.

3. Create this exact file, but substitute you SSID and PSK.

```
ctrl_interface=DIR=/var/run/wpa_supplicant GROUP=netdev
update_config=1
ap_scan=1
fast_reauth=1
country=US

network={
    ssid="name"
    psk="password"
}
```

4. Save as 'wpa_supplicant.conf'

5. If initial setup, place the file in the "boot" directory/partition of your Raspberry Pi SD card.
    a. After flashing, remove the SD card/USB.
    b. Re-insert it to open up the boot directory.
    c. Transfer wpa_supplicant.conf to the boot.
    d. Remove the microSD and place in the Pi. The OS will move the file /etc/wpa_supplicant/.

6. If adding WiFi later, open WinScp.
    a. Go to /etc/wpa-supplicant/
    b. Select the file from the PC and drag to Pi.
    c. Click properties of 'wpa_supplicant.conf'.
    d. Set permissions.

7. Life is good. Enjoy!