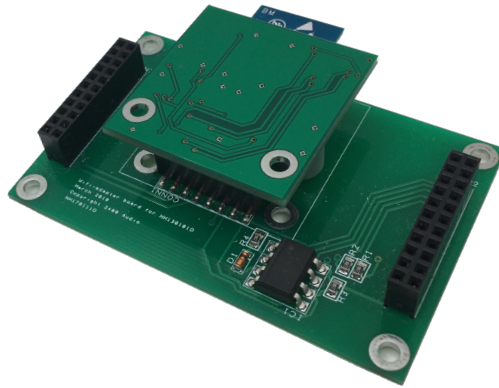# Imperium WiFi option Card

The Wifi card features the following:

- Wireless control of all features in Imperium!
- Build in configurable Webserver interface.
- Renaming of the Wifi Card SSID
- Join another network - While maintaining the possibility of direct access to the Wifi Card.
- Password protection - blocking unwanted users to join your Imperium.
- Inverse front Panel LED.
- Bonjour config - Easy setup - No IP typing etc.
- Upgradable firmware - for future features and improvements.
- Enables firmware upgrades of Imperium via WiFi.
- Supports our Barefoot MEME option card - which allows for 100% wireless control of Barefoot MEME enabled speakers. ( MEME option card for Imperium is sold separately )
- Multiple devices can control Imperium at once in sync.
- Bi-directional control - IOS and Android devices will sync with the frontpanel.
- Compatible with any IOS or Android device, that can run Touch OSC.
( All Ipad Models are supported - Iphone 6 size screen and up strongly recommended )
- No internet required! Enables 100% Standalone mode pr. default.

Note : Imperium requires firmware 2.6 or later to support the Wifi Option card. Which can be downloaded from our website along with instructions how to do the firmware upgrade. This is done via MIDI, from either a Mac or PC. ( A MIDI connection is required too )

**Installation Instructions -**

1.  Download the latest software package from our website: http://2400audio.com/
    Start by updating the Imperium firmware to 2.7x This is done via midi and Syses Librarian on
    Mac
Once the firmware is completed - Reboot your Imperium
- Check the firmware version by holding Cut - Then Insert. Verify that the firmware has been
updated.

**2.** Now it is time install the Wifi Card in the Imperium.
Turn off the Imperium.
Unscrew the 6 screws from and unmount the lid. Make sure you use the correct screwdriver and
no powertools! The two middel screws are shorter than the 4 side panel screws. Note this for later.
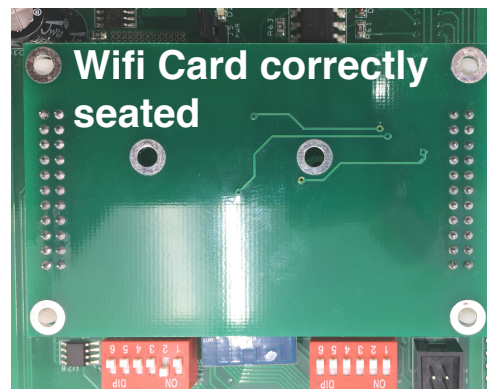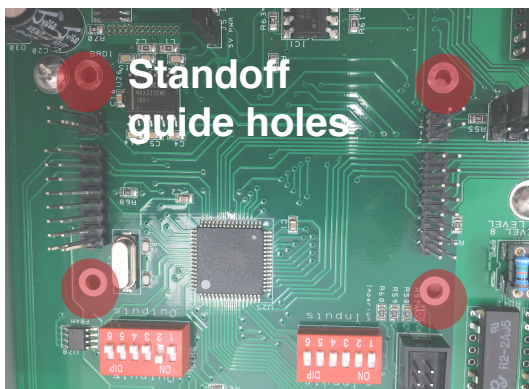


**3.** Install the card as shown below.
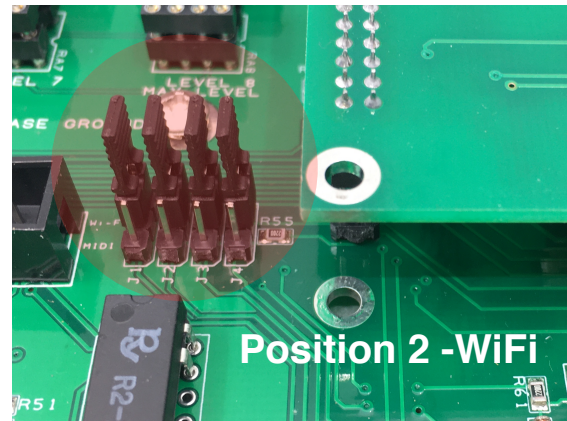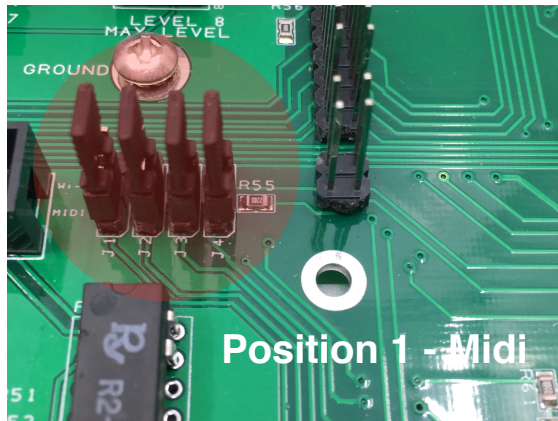Start by seating the 4 guide standoffs.
Seat the wifi card facing like shown one the photo to the right.
Make sure that the connectors and standoffs align, before you gently push the card into place.
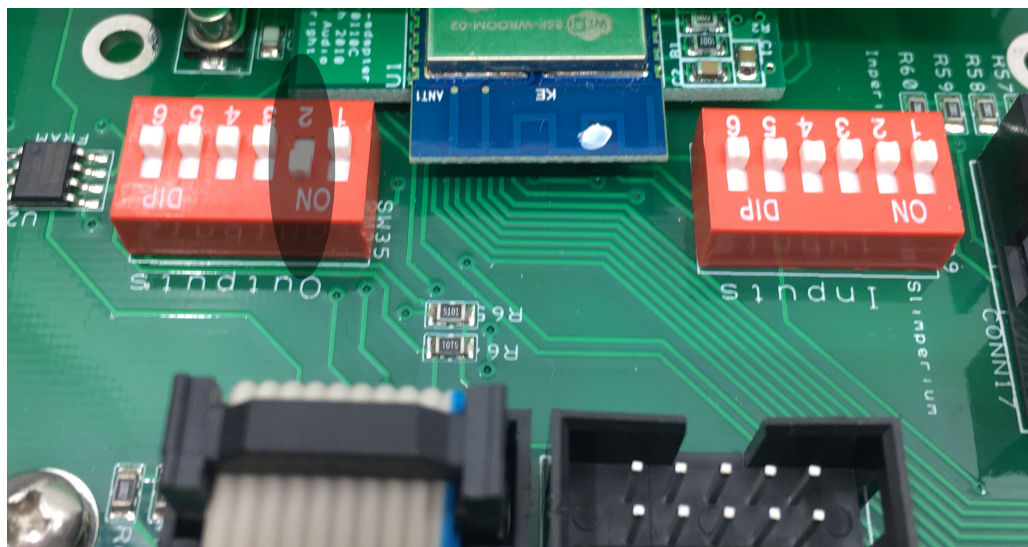

Standoff guide holes


Wifi Card correctly seated

**4.** Now move the 4 jumpers from position 1 to position 2 as show on the photos. This is very important. The jumpers enables the WiFi Card.
Note - Midi will be disabled when the WiFI card is installed. Everything is now - handled over Wifi.


Position 1 - Midi


Position 2 -WiFi

After the firmware has been updated correctly to 2.7x position the Dip switches like this.
- nr. 2 on the output side has to be set to on for enabling the Wifi Option Card as well.



**5.** Turn on Imperium.
The front Led next to the Power switch should now turn either green or red ( Depending of the revision of your Imperium )
The polarity of the LED can be changed via the Webserver interface later.

**6.** Now check your if you can find the Imperium Wifi spot via your computer or tablet.
The WiFi card  will have a default name (SSID), Imperium followed be a number.
You can rename this later via the Webserver module.
If you can choose the Imperium WiFi spot, you should be good to go.

**7.** Install the Touch OSC app on your device. If you don't already have it ( Has to be purchased in the App store / Android market place )

**8.** Install the Touch Bridge app. on your computer ( This allows your Devices to communicate with your computer )

**9.** Install the Touch OSC Editor.
Then load you preferred Imperium Layout.
Hit the sync button.
**Now make sure your device is on the same network as your computer.**
Open the Touch OSC app - goto the settings page
- Enable the TouchOSC Bridge - Touch OSC should now find your computer as a HOST below.
- Go back
- Press "Layout" and then "Add". Your computer name should show now, press the name to transfer the layout to Touch OSC.
Go back and check that the Layout has been transferred.
Close the Touch OSC Editor. Close Touch OSC on your device.

**10.** On your device - you should now select the Imperium Network as your WiFi connection.

**11.** Now reopen Touch OSC. Goto the settings page/connections - press the OSC: 192.168.4.1
Now your Imperium name should show up. Press the name.
You should now be connected!
Go back to the start page. - Press Connect/Refresh  - You should be good to go!

**12.** Webserver - In your browser type your Imperium name followed by .local - Fx imperium91.local
You can now change various setting for the Wifi Card, Firmware upgrade you Imperium wirelessly, Firmware upgrade the Wifi card.

# Screenshot from the Webserver interface

## Welcome to Imperium!

Configure your Imperium, join a network and update firmware.

## Settings

**Access Point (2400 Audio Wifi Card)**

- SSID: Imperium91
- Password:

Edit

**Router (Join another network)**

- SSID: Your_local_wifi
- Status: Not enabled
- IP:

Connect to router

**Communication LED**

- Invert LED: false

Edit

## Firmware updating

**Imperium**

Browse... No file selected.      Update

**Wifi module (2400 Audio Wifi Card)**

**Firmware:** *Version: v1.5*

Browse... No file selected.      Update

**Filesystem:** *Version: v1.5*

Browse... No file selected.      Update

*When updating the filesystem all previous settings will be lost!*

Imperium by 2400audio

# Screenshots from the new Iphone Layout



| Monitor Console | Misc | Level Profile | Scenes | Settings | |
|---|---|---|---|---|---|

**Level**

REAL LOUD!

Cut

8

7

Polarity
Left CH

Mono

6

Output 3

5

Output 2

4

Output 1

Digitally Controlled Passive Stereo Monitor Console

3

Input 3

2

Input 2

1

Input 1

2400 Audio
Imperium V2.4>

Nice & Calm

Connect / Refresh

---

| Monitor Console | Misc | Level Profile | Scenes | Settings | |
|---|---|---|---|---|---|

Select Level Profile

Profile 1

Profile 2

Profile 3

Profile 4

Profile 5

Profile 6

Profile 7

Profile 8

Level Step Adjustment

1  2  3  4  5  6  7  8

Step Monitor 1-8

Default Profile    Save Profile    Connect / Refresh