



WLAN Pi Update

Wi-Fi Analysis and Assessment on the Go Using WLAN Pi Go

Jiri Brejcha
www.wlanpi.com
October 2025



www.wlanpi.com

Multitool for WLAN Pros

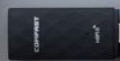
The WLAN Pi is the open-source affordable community hardware tool to assist you in the validation, troubleshooting, and maintenance of Wi-Fi networks.



NEO2



Pro



R4



M4



M4+



Go





The WLAN Pi Team

Meet the Core Team



Jerry Olla
*Founder &
Project Lead*



Josh Schmelzle
*Wi-Fi Engineer + Web UI
and Python Master*



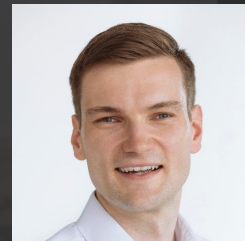
Adrian Granados
*Actual Developer &
Wi-Fi guru*



Nick Turner
*Wi-Fi Engineer +
Prints things, in 3D*



Ben Toner
*Actual Developer &
Hardware Aficionado*



Jiri Brejcha
Wi-Fi Architect

New Contributors

Our growing community



Dylan Toner
App Developer

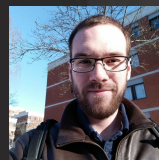


Matt Lee
*Hardware, Firmware
& RF Engineer*

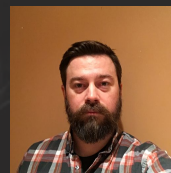
Honorable Contributors



Bryan Ward
*Grafana SME &
Wi-Fi guru*



Daniel Finimundi
*Wi-Fi Engineer &
Linux Guru*



Colin Vallance
*Wi-Fi Engineer +
Python Dude*



Nigel Bowden
Wi-Fi Engineer



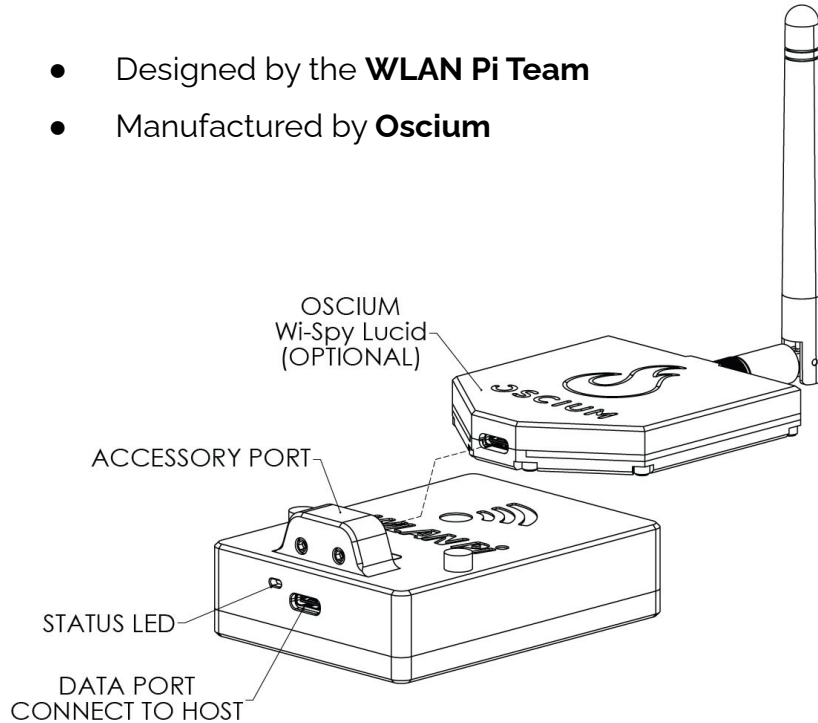
Joel Crane
*Wi-Fi Engineer +
Prints things, in 3D*

WLAN Pi Go Hardware



- Designed by the **WLAN Pi Team**
- Manufactured by **Oscium**

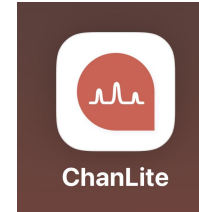
- Raspberry Pi CM4 / 8GB eMMC / 1GB RAM
- Intel BE200 Wi-Fi 7
- Accessory Port for Spectrum
- MagSafe Compatible



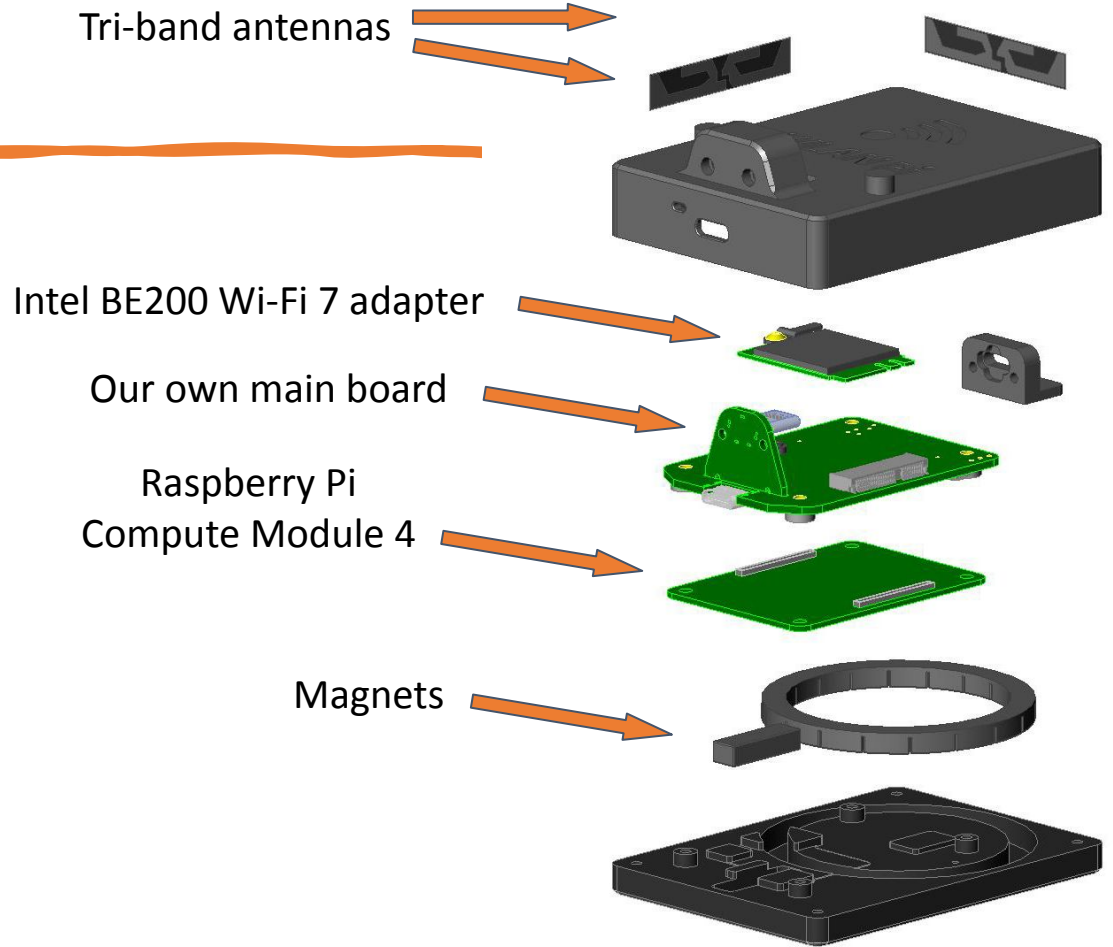
Spectrum analysis on the Go



- Oscium ChanLite iPhone/iPad app is **now in Beta!**
- Supports Wi-Pry **Clarity** and Wi-Spy **Lucid** USB spectrum analysers.



Internals



Go SLIM

The SLIM 'downgraded' option for the WLAN Pi Go form factor.

ONLY for people who do **NOT** have any intention of using the accessory port.



The WLAN Pi Go SLIM:

- Is **NOT** compatible with the Wi-Spy Lucid spectrum analyser because the accessory port is physically removed
- Ships with a 3D printed back case in place of the machined delrin case of the regular WLAN Pi Go
- Higher cost due to additional labour required to remove the Accessory Port

Is this a joke?

- No, this is a real manufacturing process option available from BadgerWiFi

WLAN Pi Go SLIM

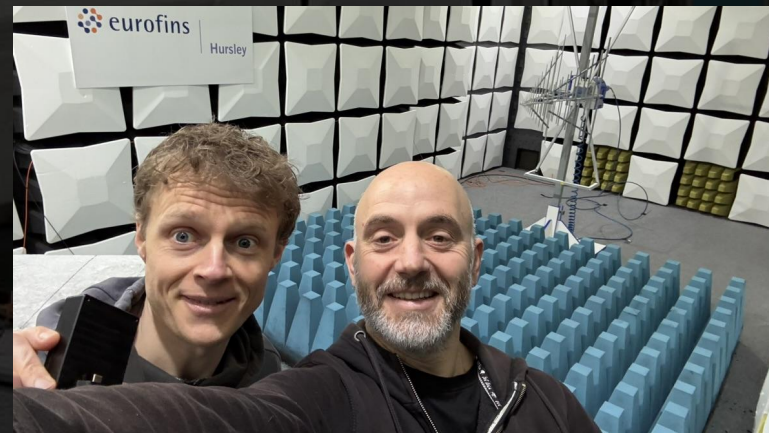


FCC Certified

Safety!

Passive scanning device
Limited Transmit to limit SAR

Not certified to connect as a client



New software features and apps

 We've just **released WLAN Pi Go 25.10 firmware**. Use WLAN Pi App to update or reflash the A/B image.

 WLAN Pi Go has **changed IP address** on its USB interface! Access it using 198.18.42.1 from now on.

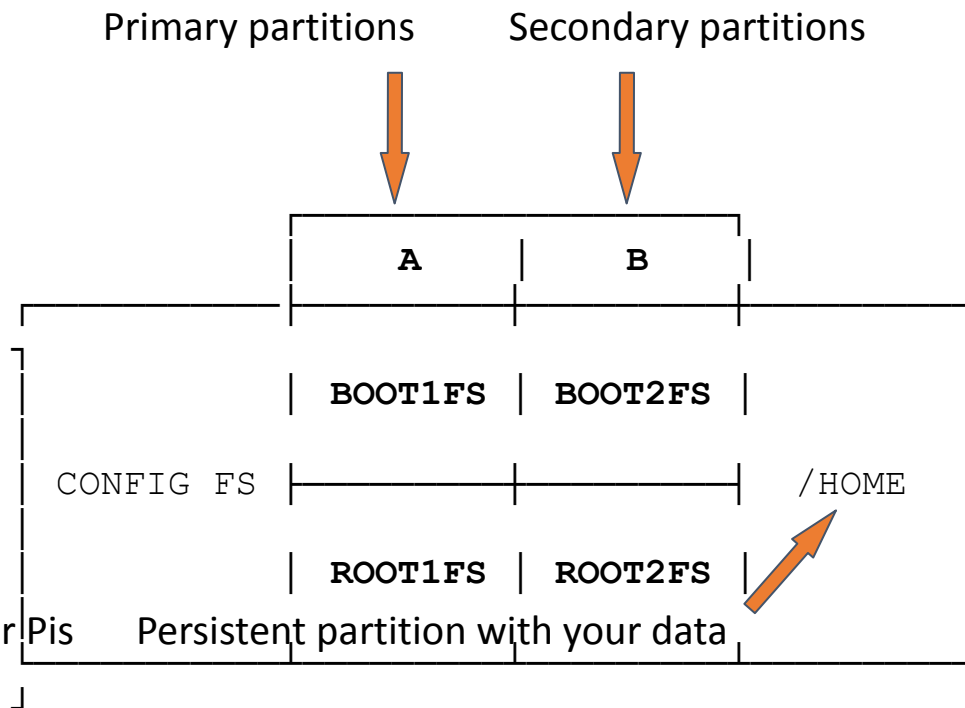
 **Over-the-air updates** with no data loss!

 New WLAN Pi Pro, R4, M4, M4+ image will be **released soon**.

 WLAN Pi, except for Go, can **connect to Wi-Fi using the app as clients**. Watch Ben's session.


```
mmcb1k0
└─mmcb1k0p1    vfat    CONFIGFS
└─mmcb1k0p2    vfat    BOOT1FS
└─mmcb1k0p3    vfat    BOOT2FS
└─mmcb1k0p4
└─mmcb1k0p5    ext4    ROOT1FS
└─mmcb1k0p6    ext4    ROOT2FS
└─mmcb1k0p7    ext4    HOME
```

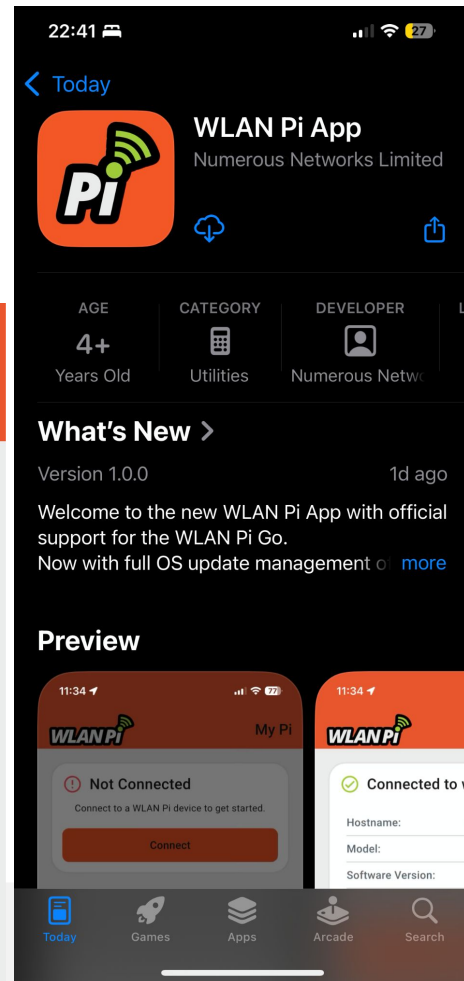
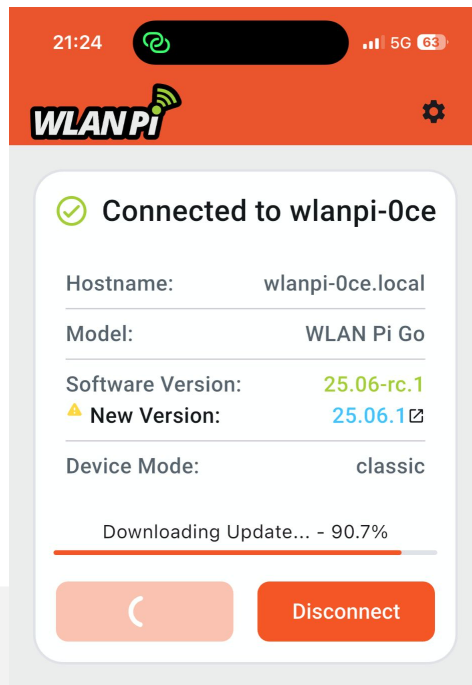
*WLAN Pi Go uses a different image to other Pis



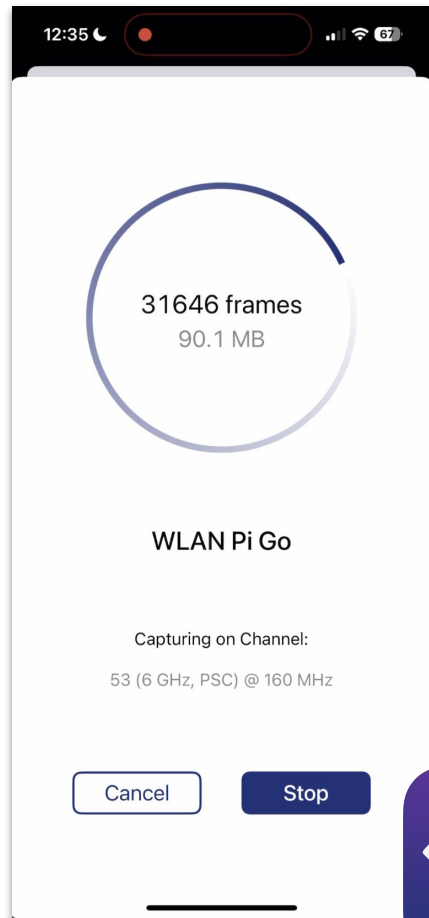
WLAN Pi App

The official iOS and Android app

- Available now on the App Store and Google Play!
- The starting point for:
 - Keeping your WLAN Pi Go up-to-date
 - Checking the health
 - Reviewing configuration
 - Using *Profiler* to capture Wi-Fi client capabilities



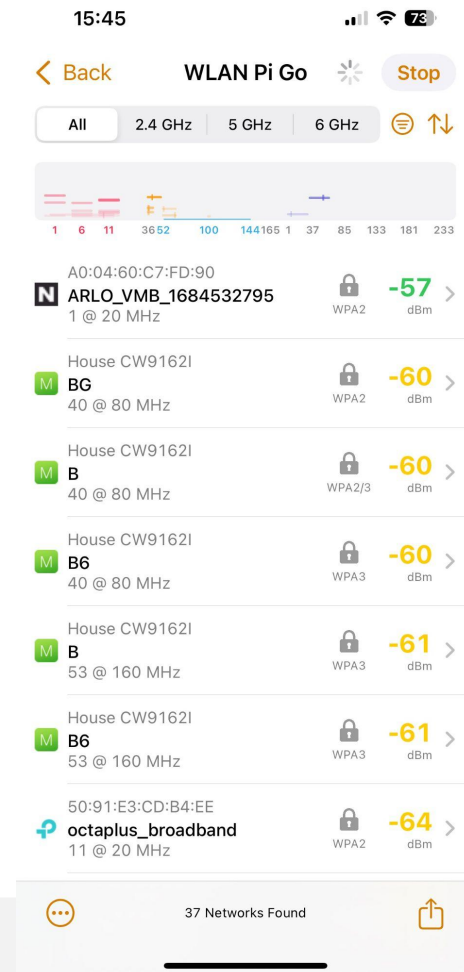
Airtool Pi App



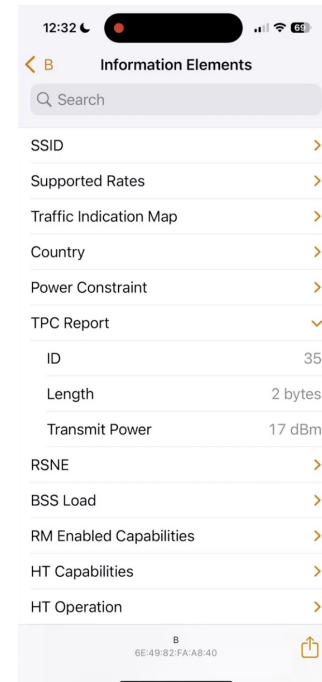
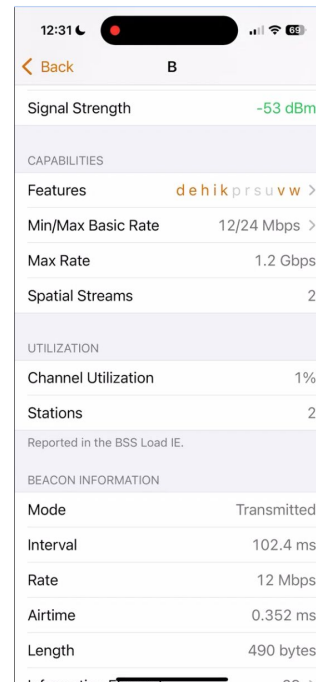
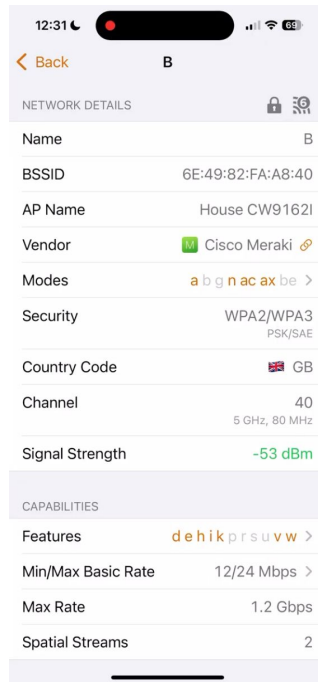
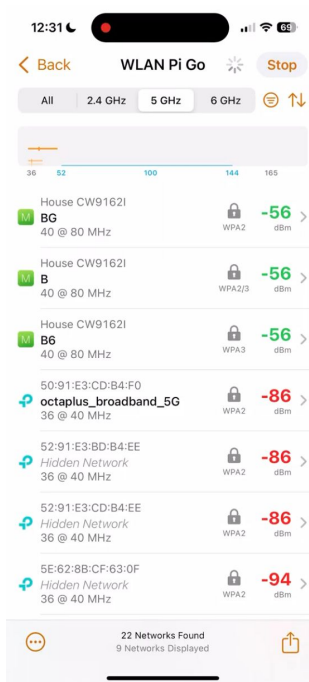
WiFi Explorer Pi App (Beta)

Passive Wi-Fi scanning on your iOS device

- For when your meeting turns into a troubleshooting session.
- Enables conversation with your customer. No bulky tools between you and your customer.
- Always ready to help, right from your pocket.
- Native app for iPhone and iPad.
- Get expert-level visibility into Information Elements, capabilities, and more!

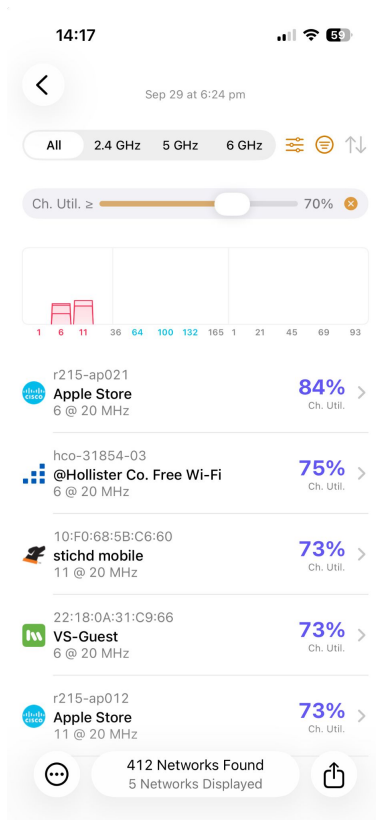


Expert-level visibility into beacon frames



WiFi Explorer Pi App

High channel utilisation 🔥



WiFi Explorer Pi App

Live demo: AP

Finder 

But how?

Some Cisco Meraki APs support 12V DC power input

USB-C PD battery pack must support 12V output, not all do

“USB-C PD to barrel jack cable” negotiates 12V with battery pack and outputs 12V DC on its barrel jack connector





Can I have a Go,
please?

Join in. Stay in touch.

Simply visit **wlanpi.com**

Join the mailing list. Get involved.

Email*

Please complete this required field.

First Name*

Please complete this required field.

Last Name*

Please complete this required field.

Tell us more about your experience of WLAN Pi*

Please complete this required field.



Ben, Nick,
We typically reply in a day

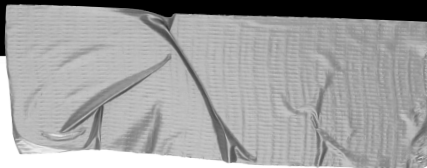


Got any questions? I'm happy to help.

Write a message



 Add free **live chat** to your site



Thank you, it's time to... Go!

Until next time:

- Be nice to one another
- Learn more and join us wlanpi.com
- Order online
 - US: bigqam.com
 - Europe and rest of world: badgerwifi.co.uk