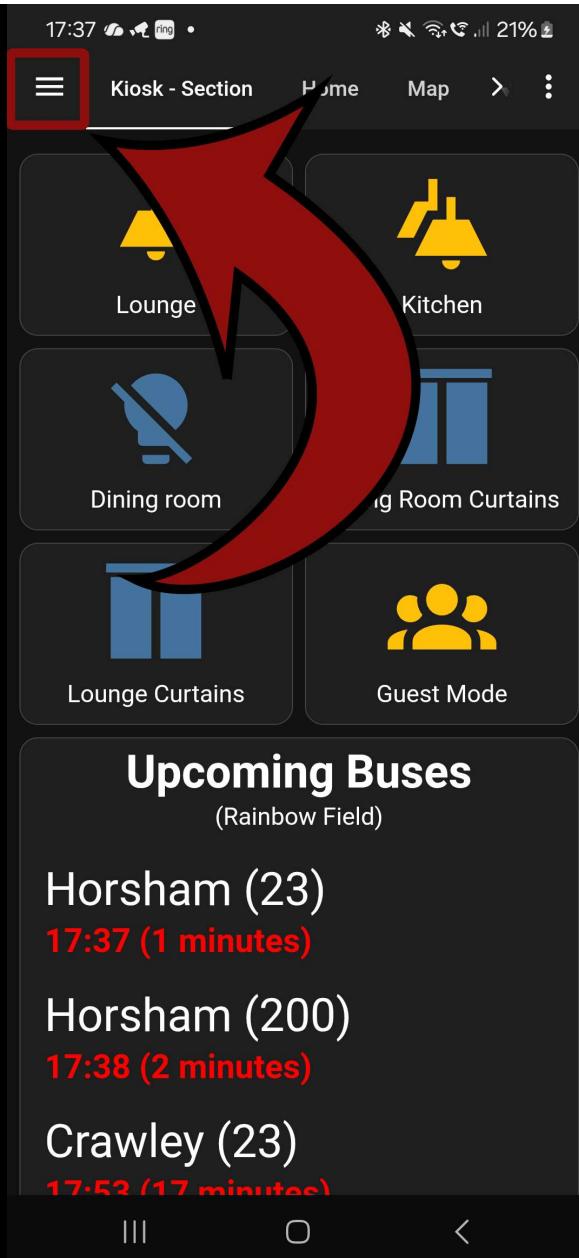
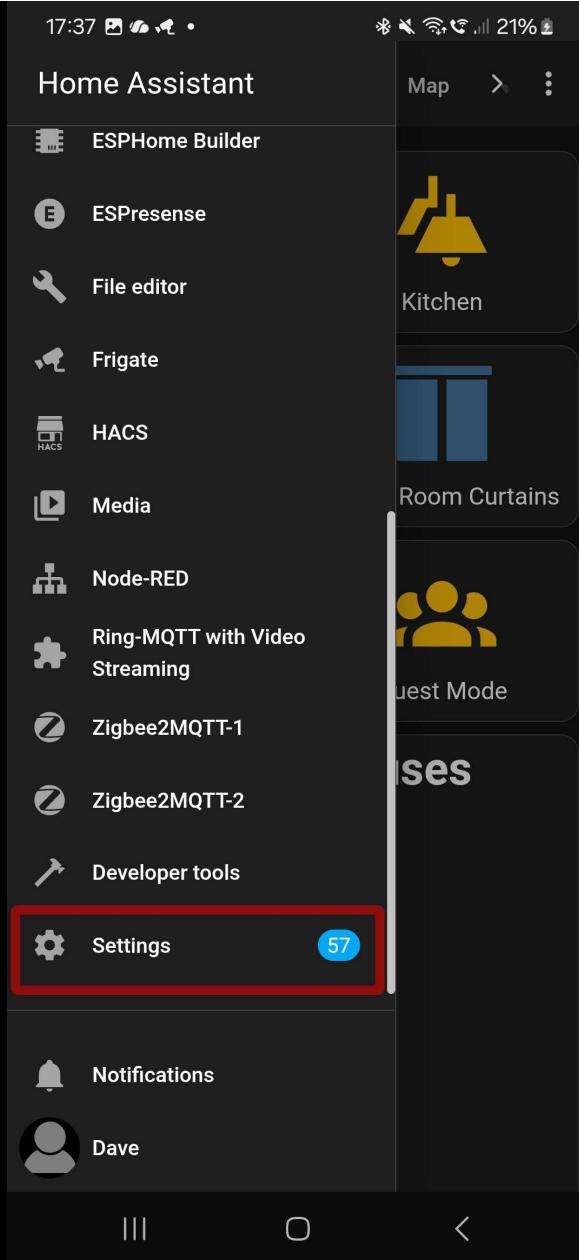


Turning on BLE Transmitter Via Companion App

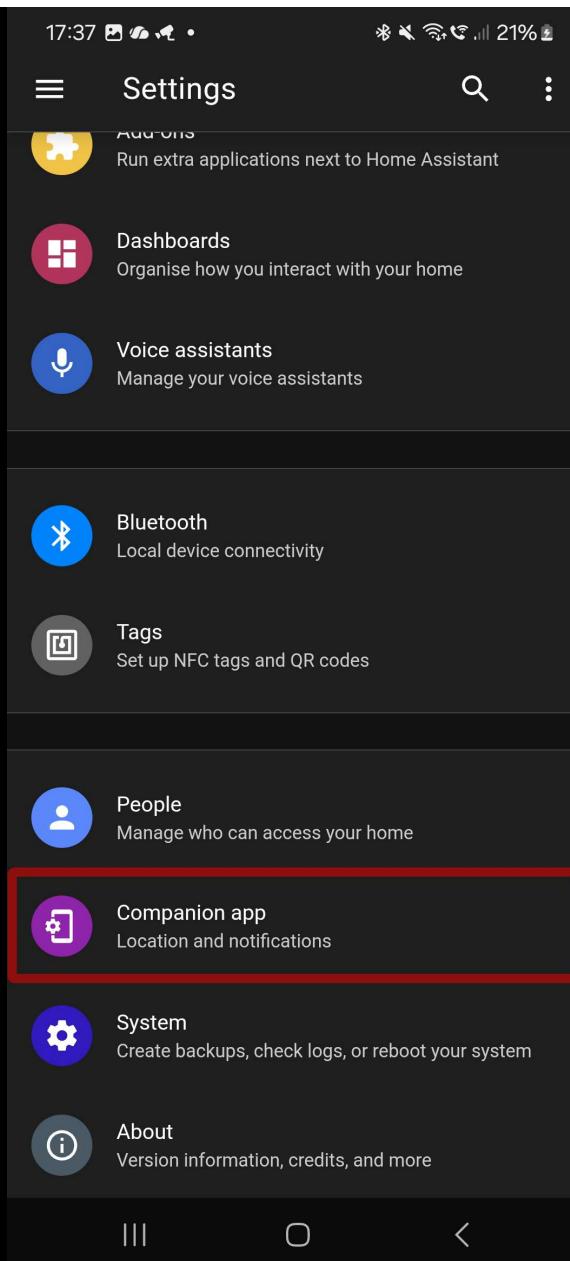
Lazy **TECH** Geek



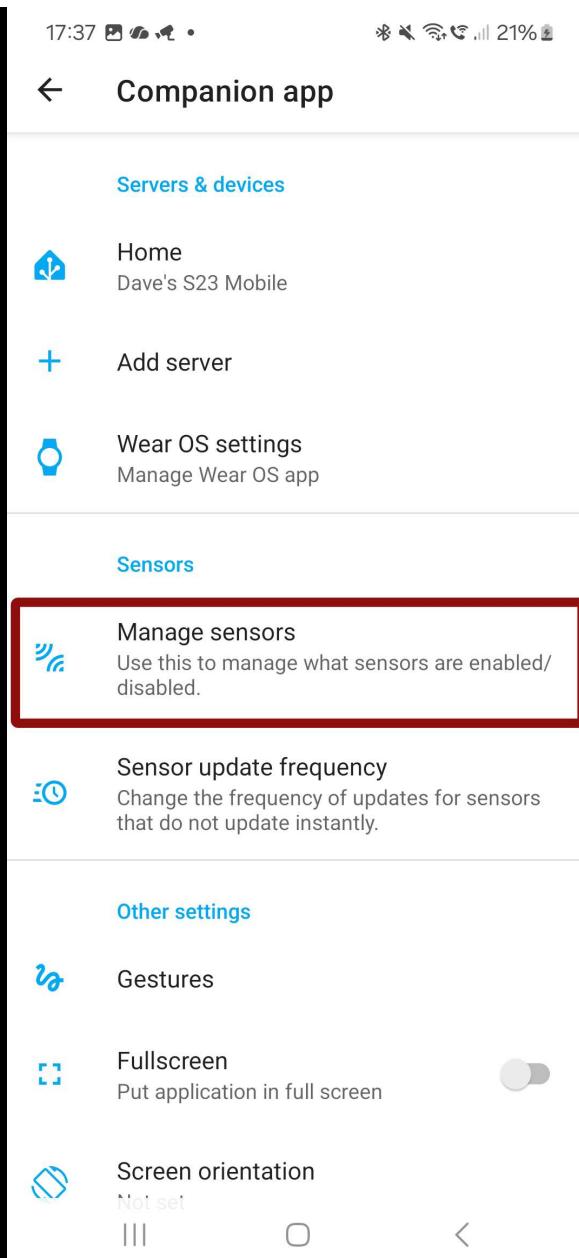
Lazy TECH Geek



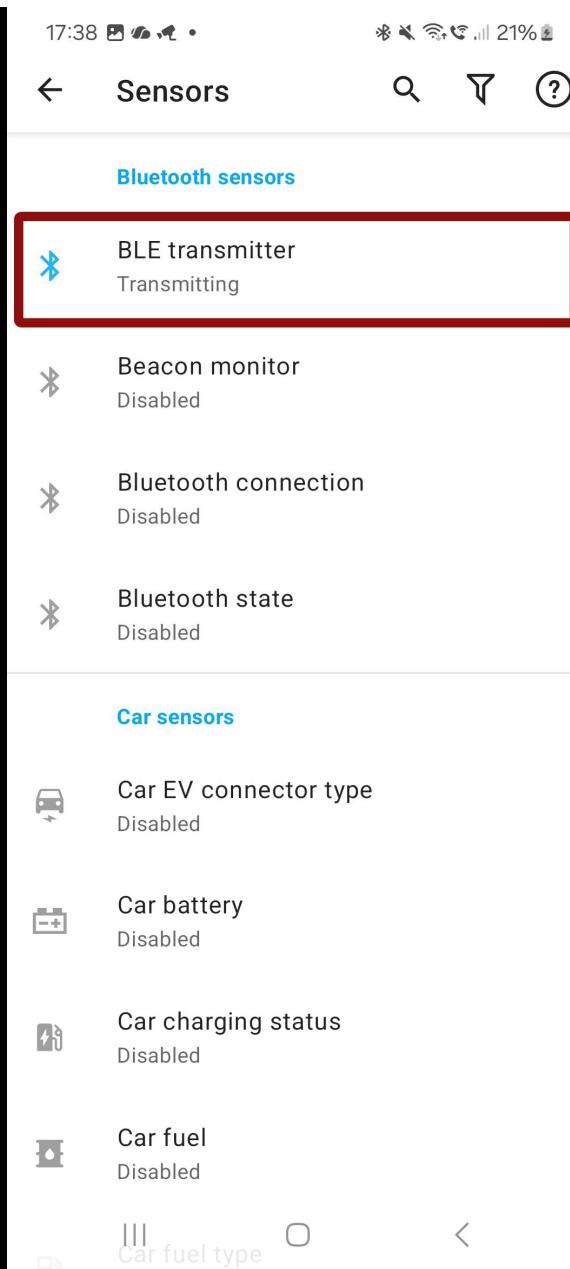
Lazy TECH Geek



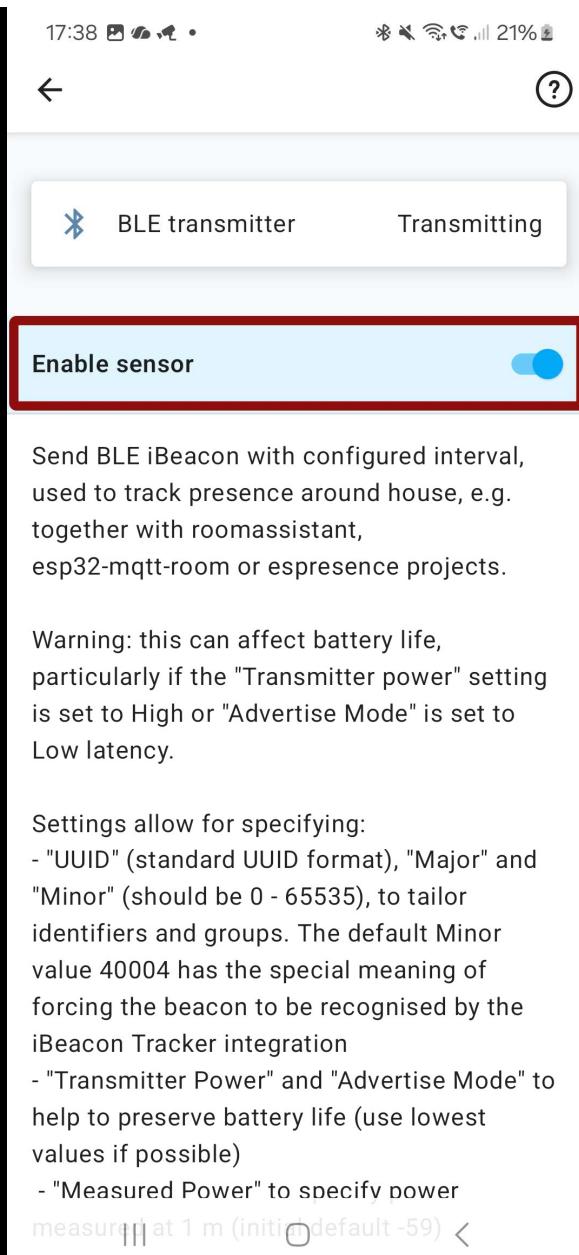
Lazy TECH Geek

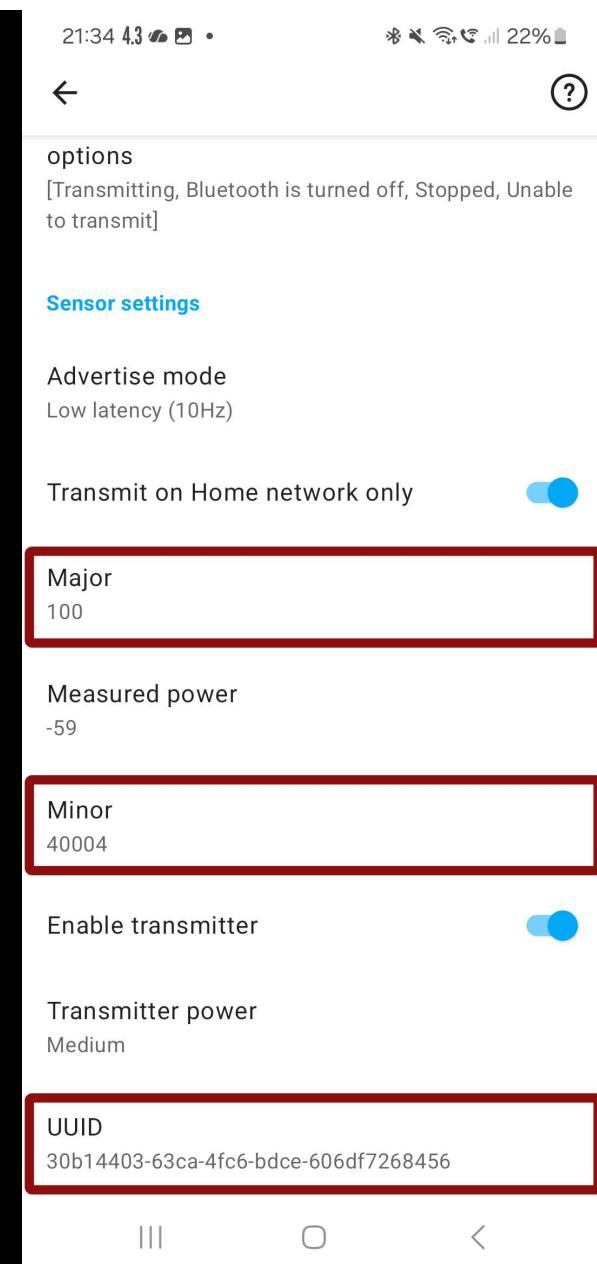


Lazy TECH Geek



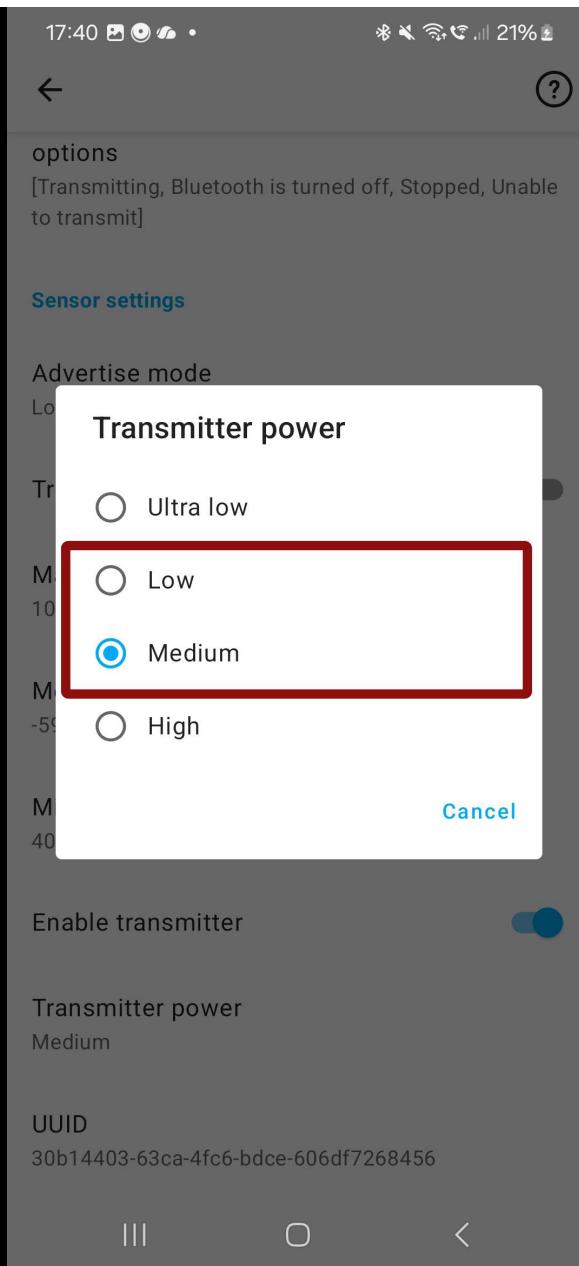
Lazy TECH Geek



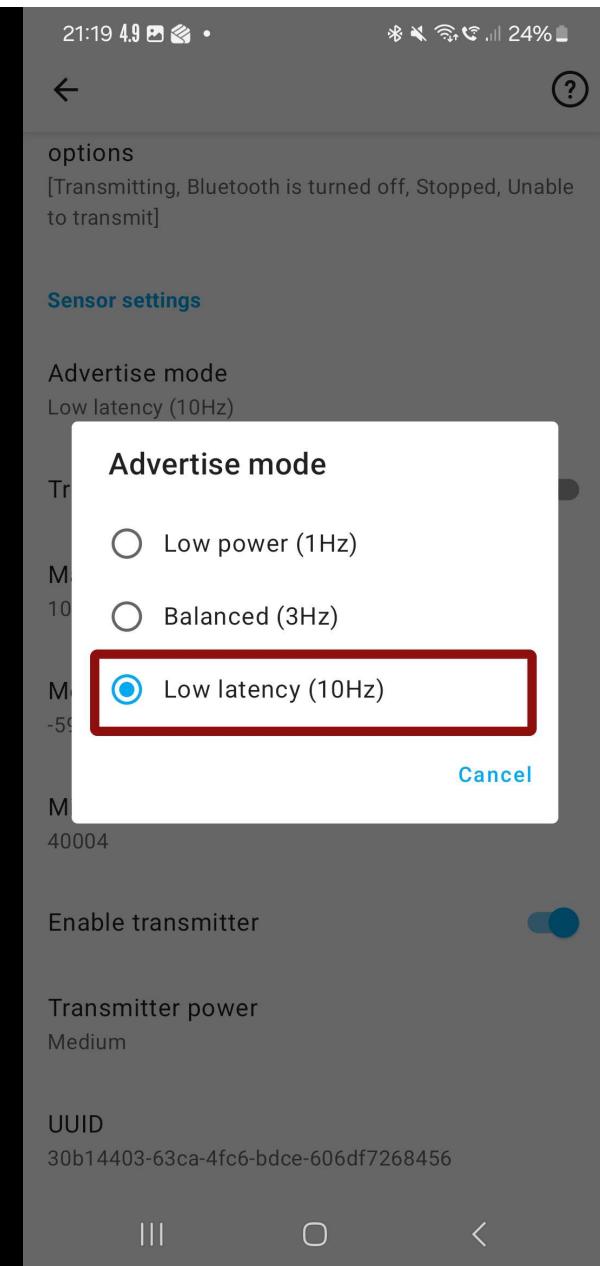


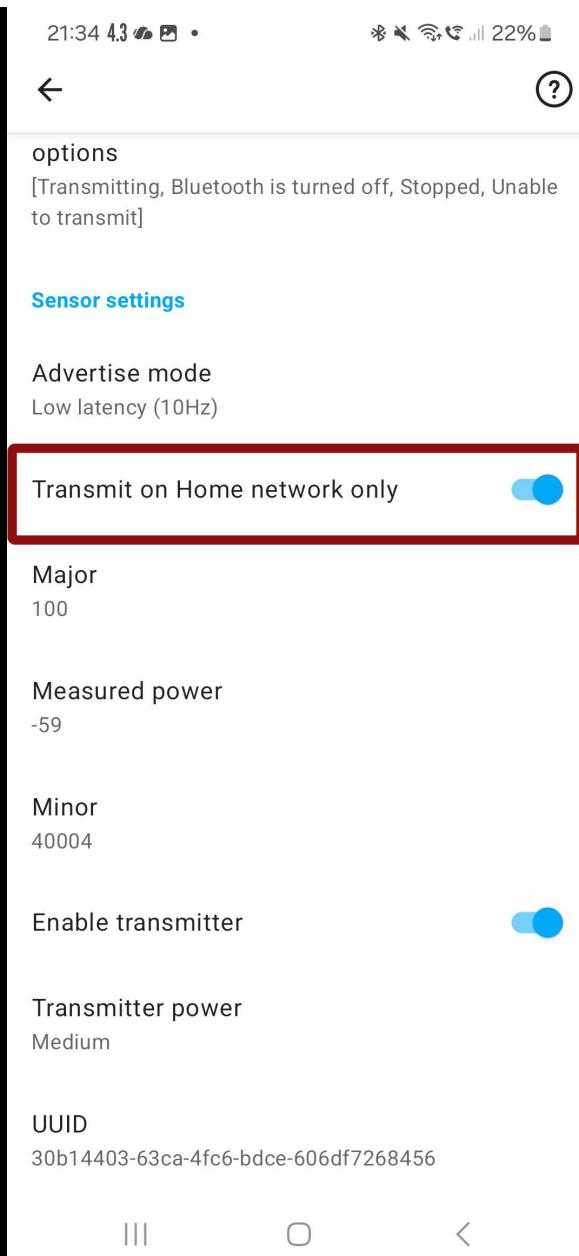
iBeacon:UUID-MAJOR-MINOR

iBeacon:30b14403-63ca-4fc6-bdce-606df7268456-100-40004

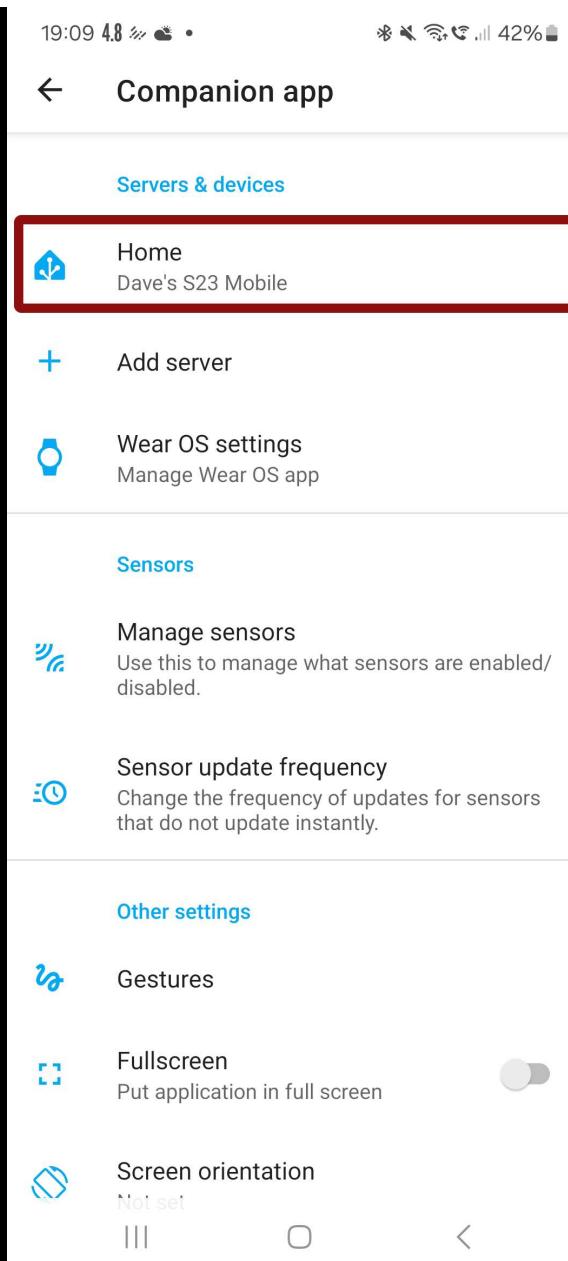


Lazy TECH Geek

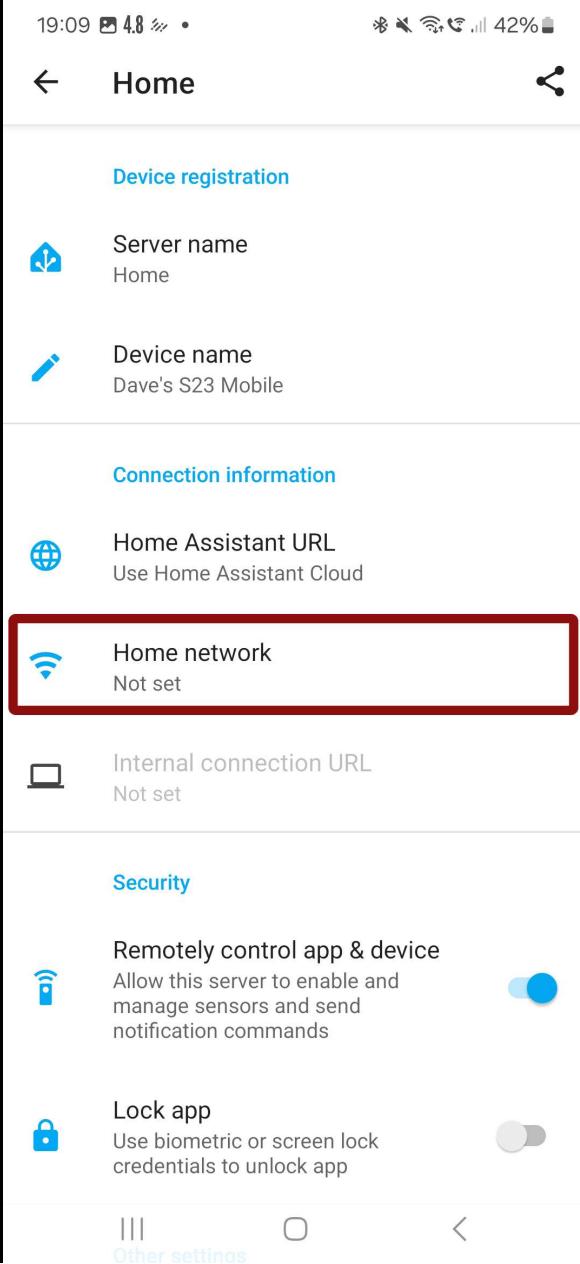




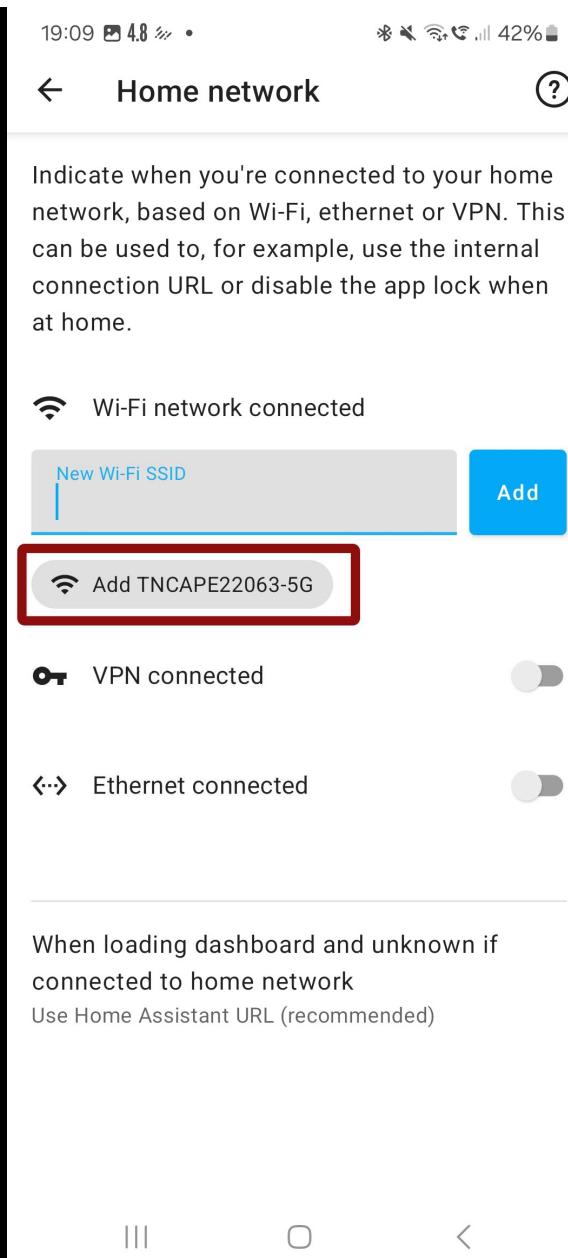
Lazy TECH Geek



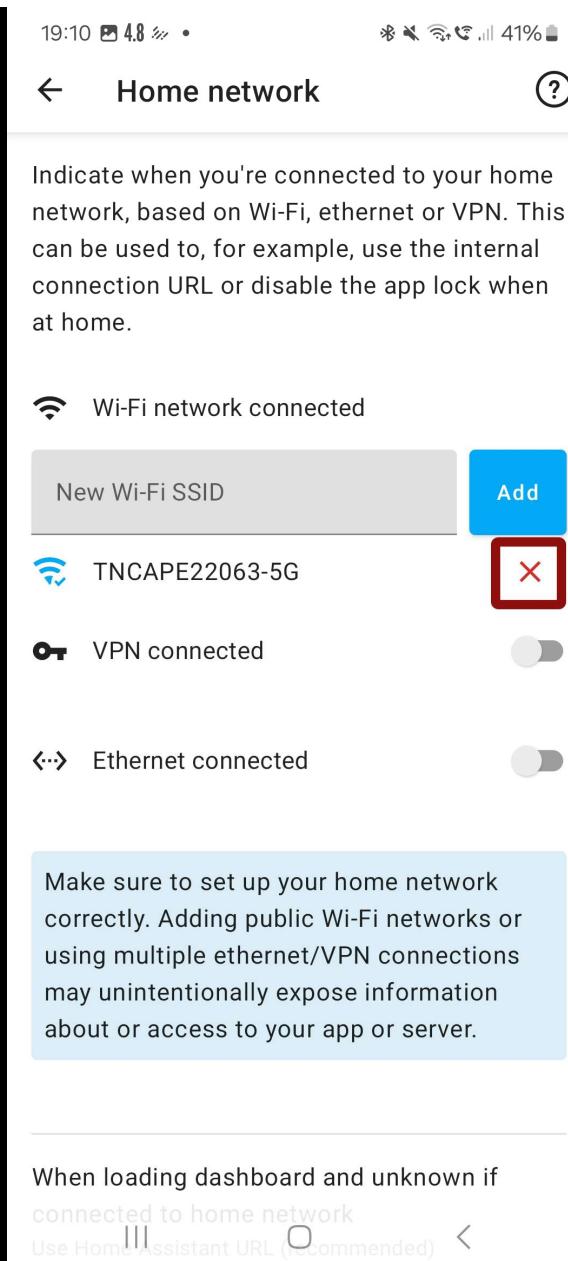
Lazy TECH Geek



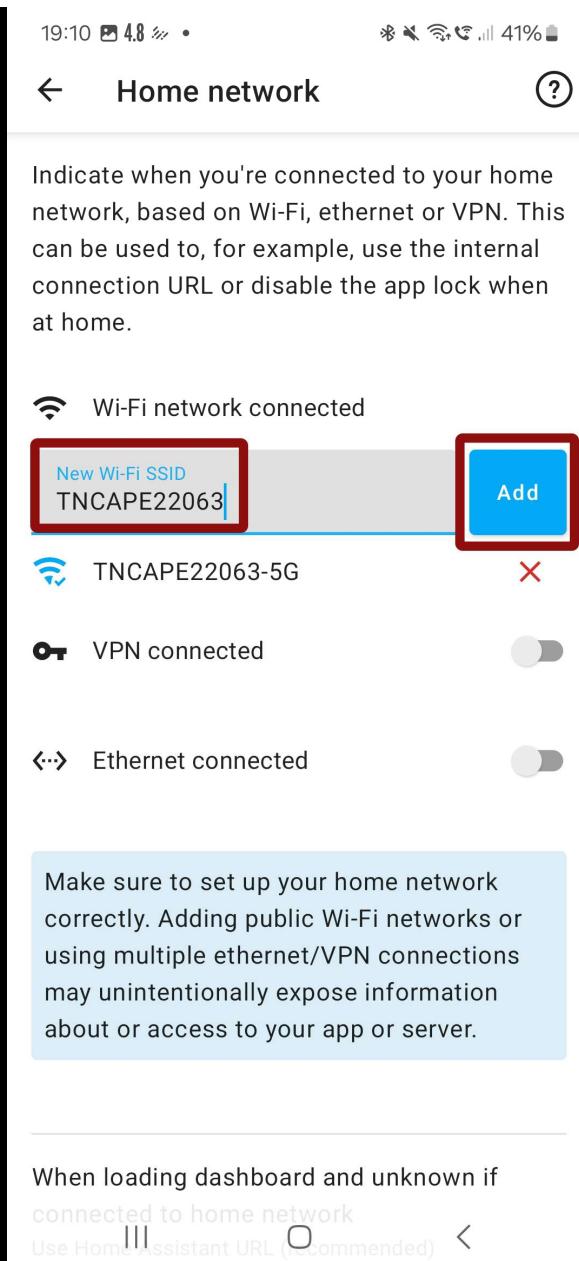
Lazy TECH Geek



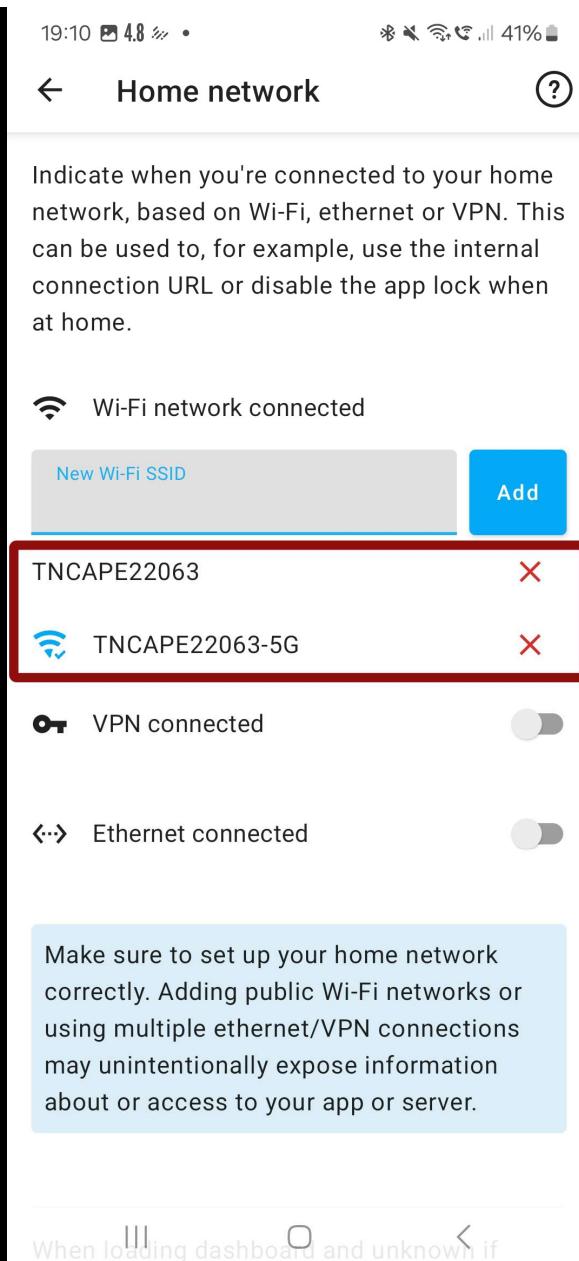
Lazy TECH Geek



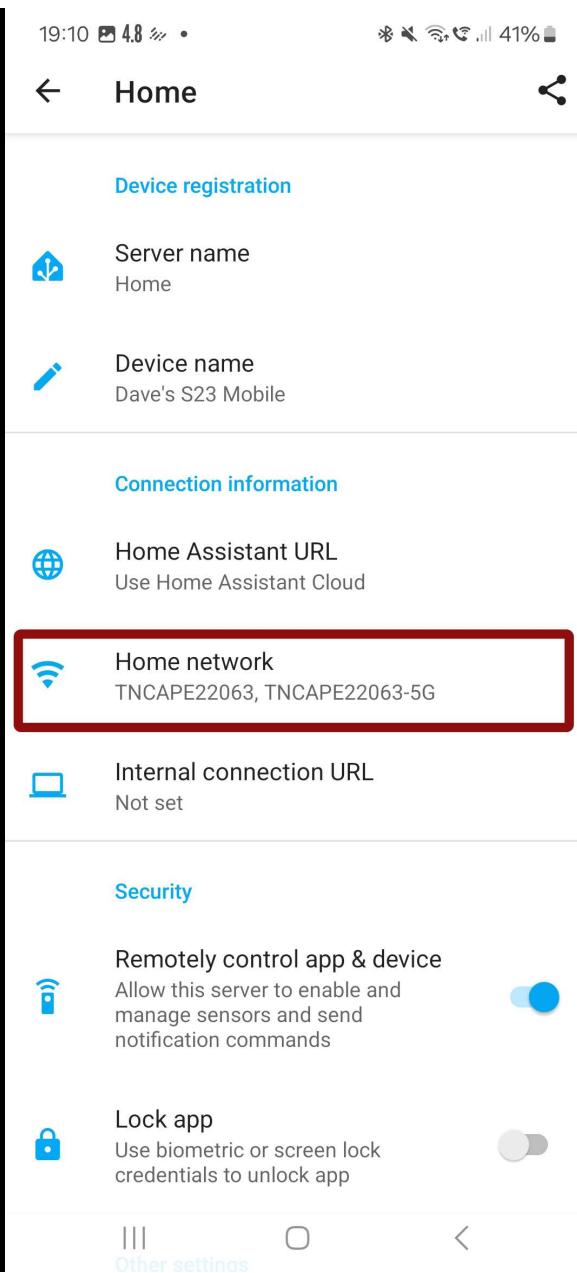
Lazy TECH Geek



Lazy TECH Geek

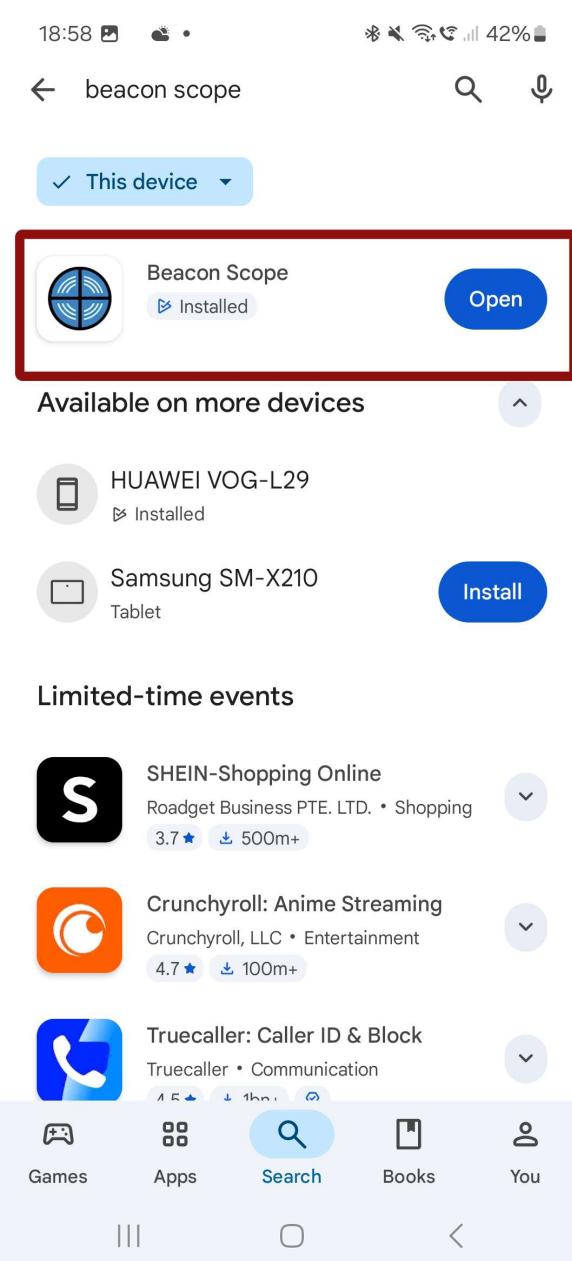


Lazy TECH Geek

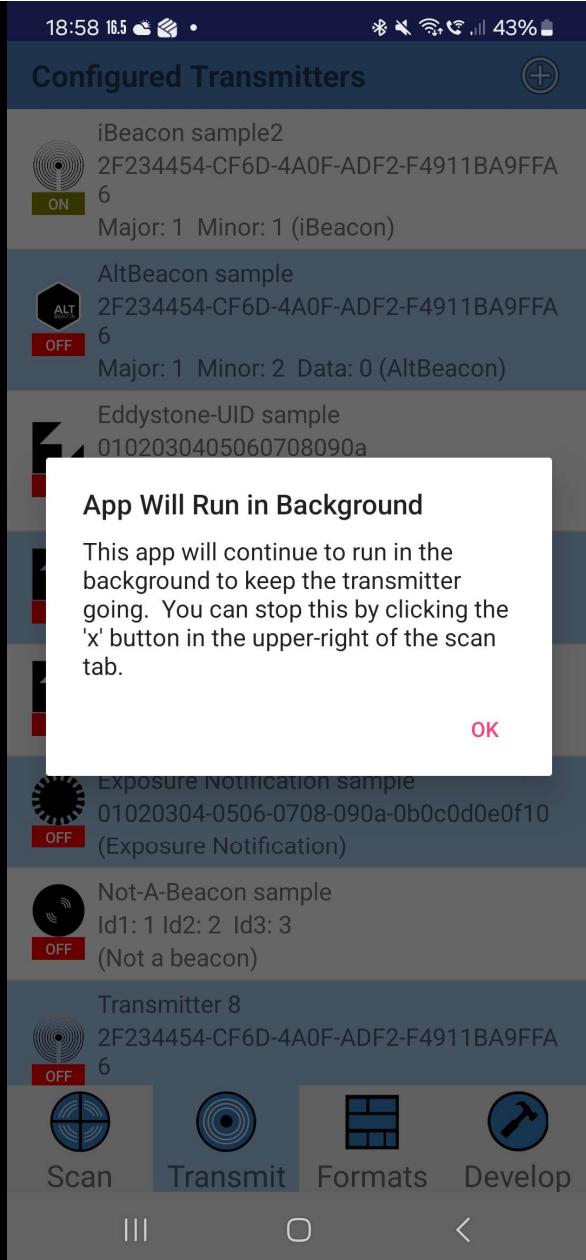


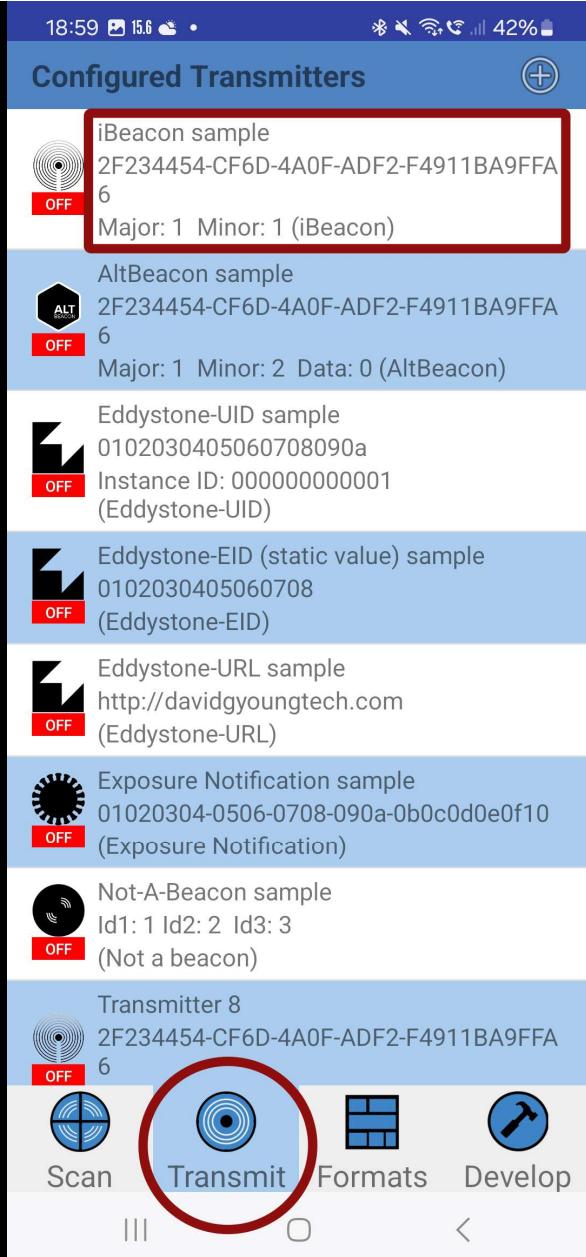
Lazy TECH Geek

Turning on BLE Transmitter Via Beacon Scope (Android)

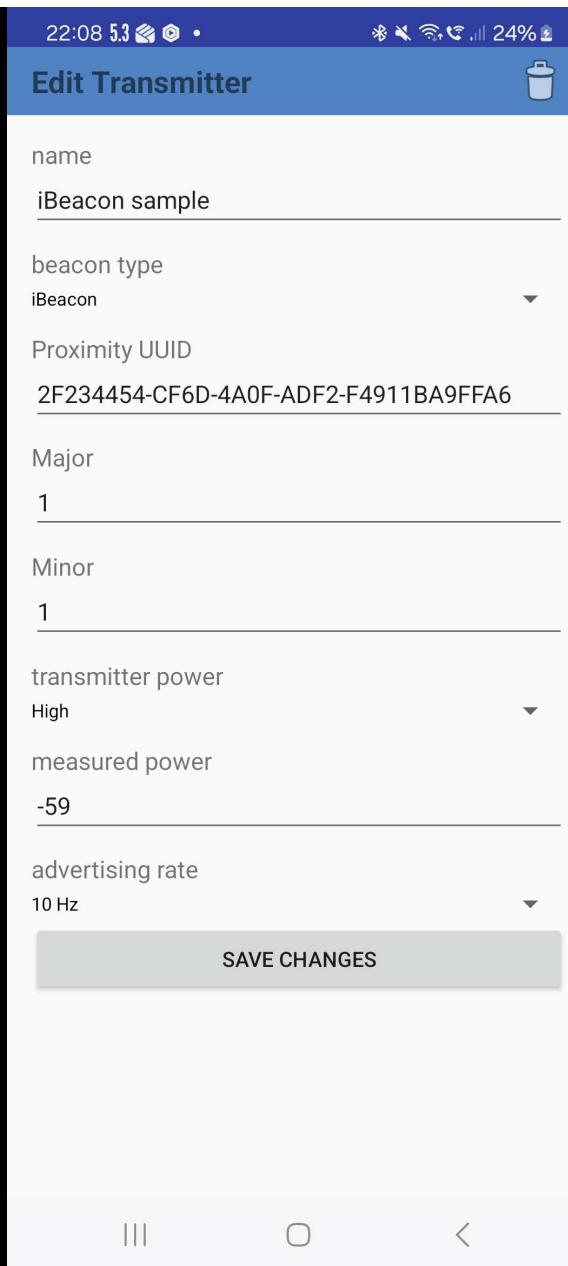


Lazy TECH Geek

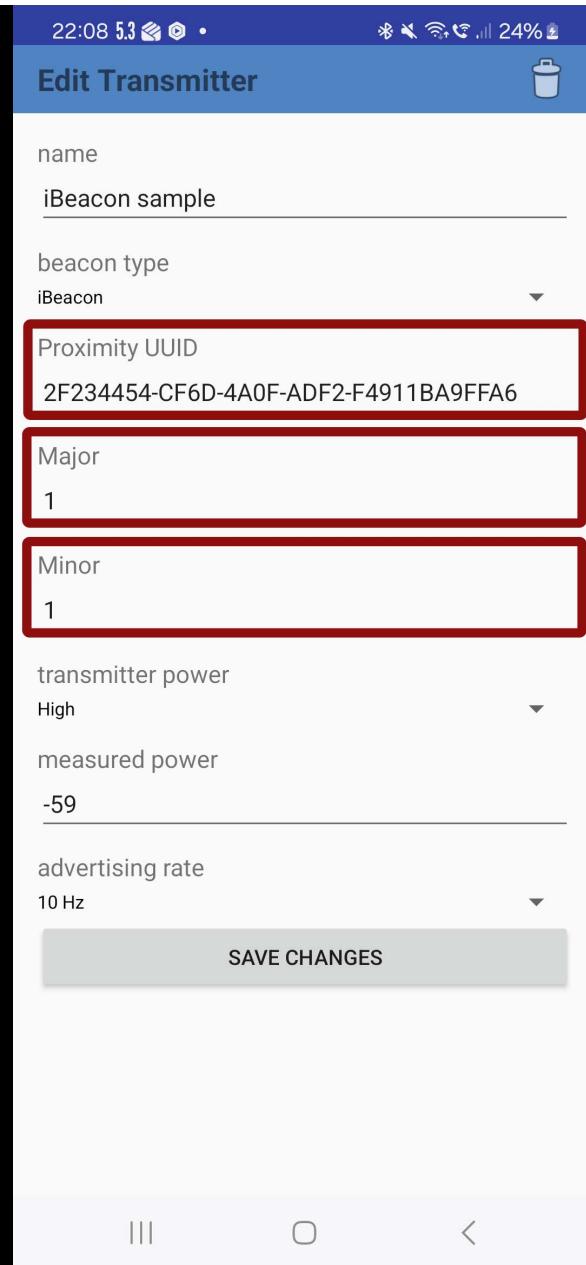




Lazy TECH Geek

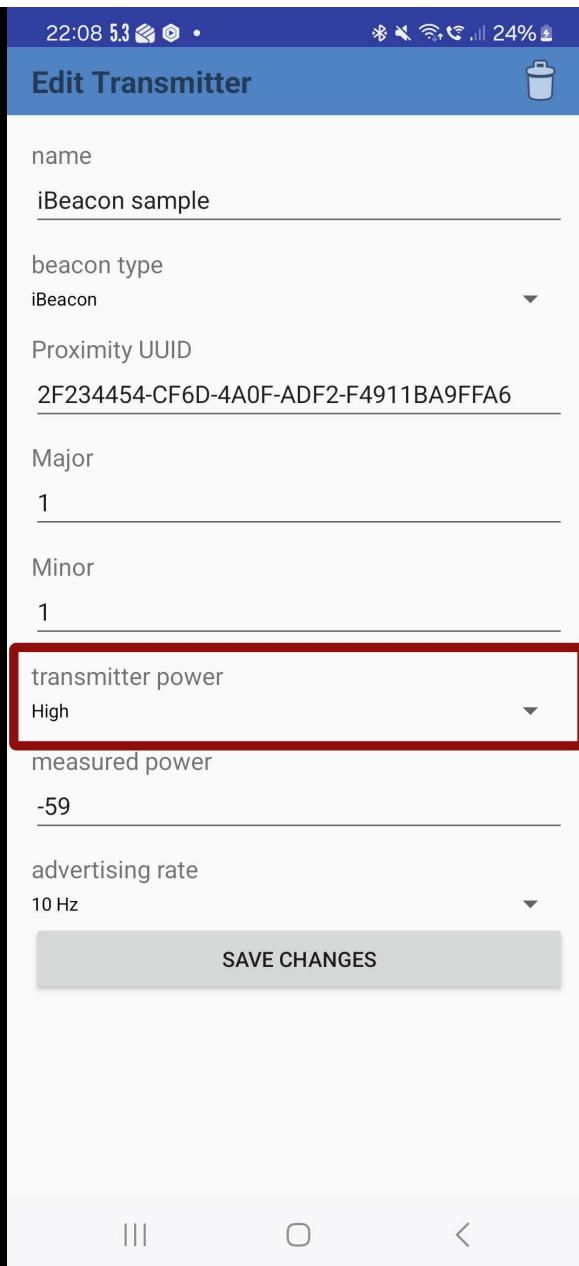


Lazy TECH Geek

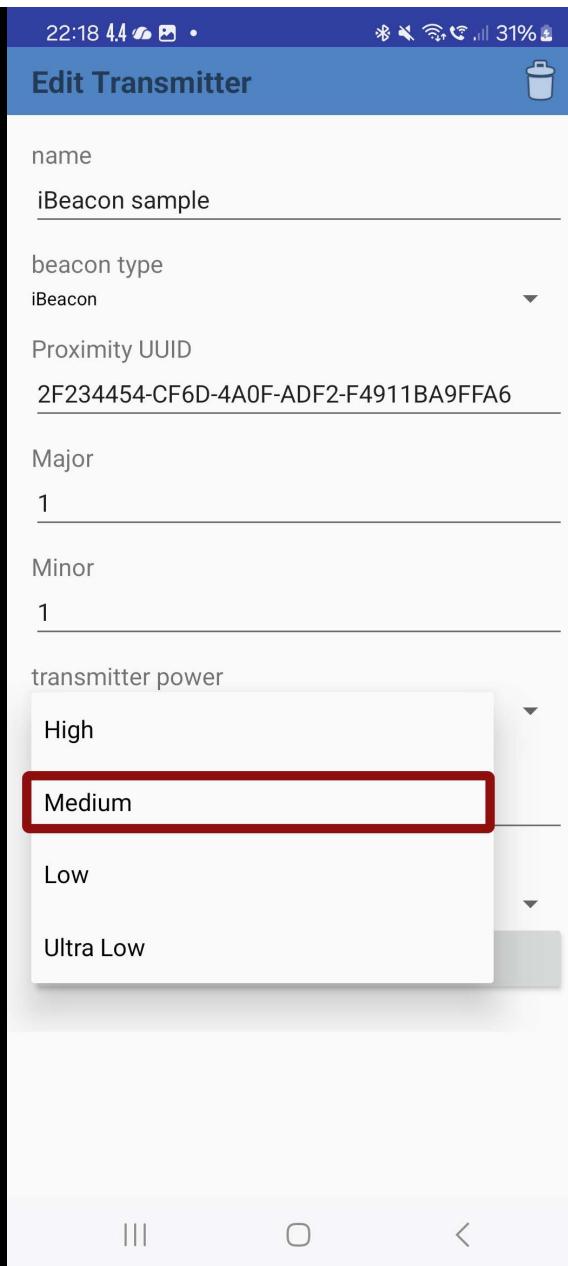


iBeacon:PromimityUUID-MAJOR-MINOR

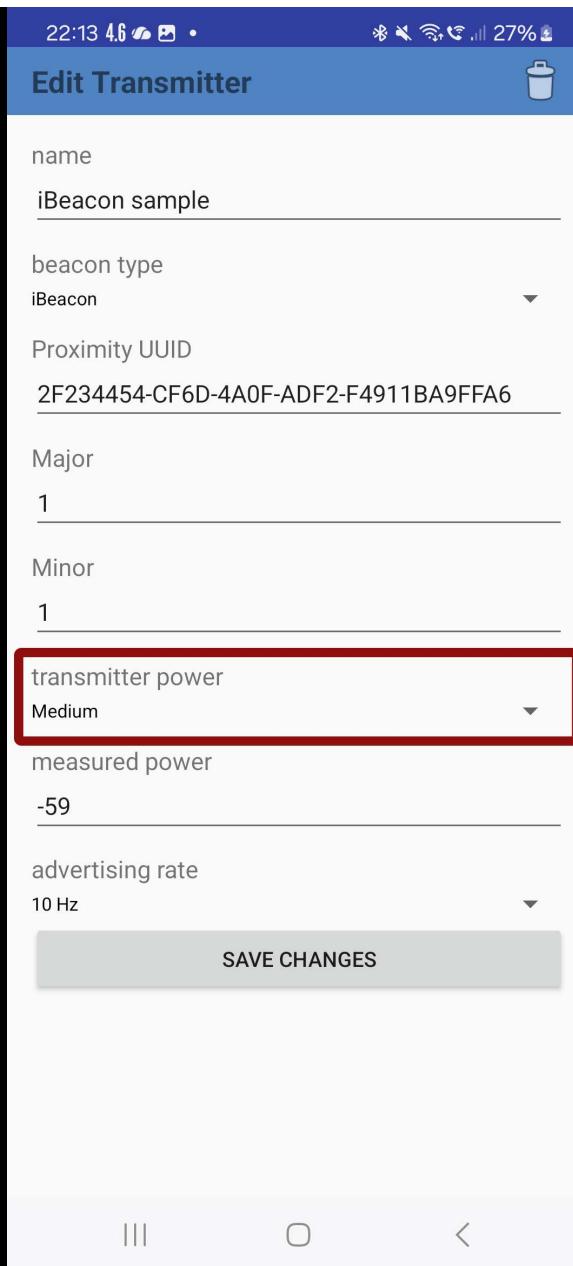
iBeacon:2F234454-CF6D-4AOF-ADF2-F4911BA9FFA6-1-1



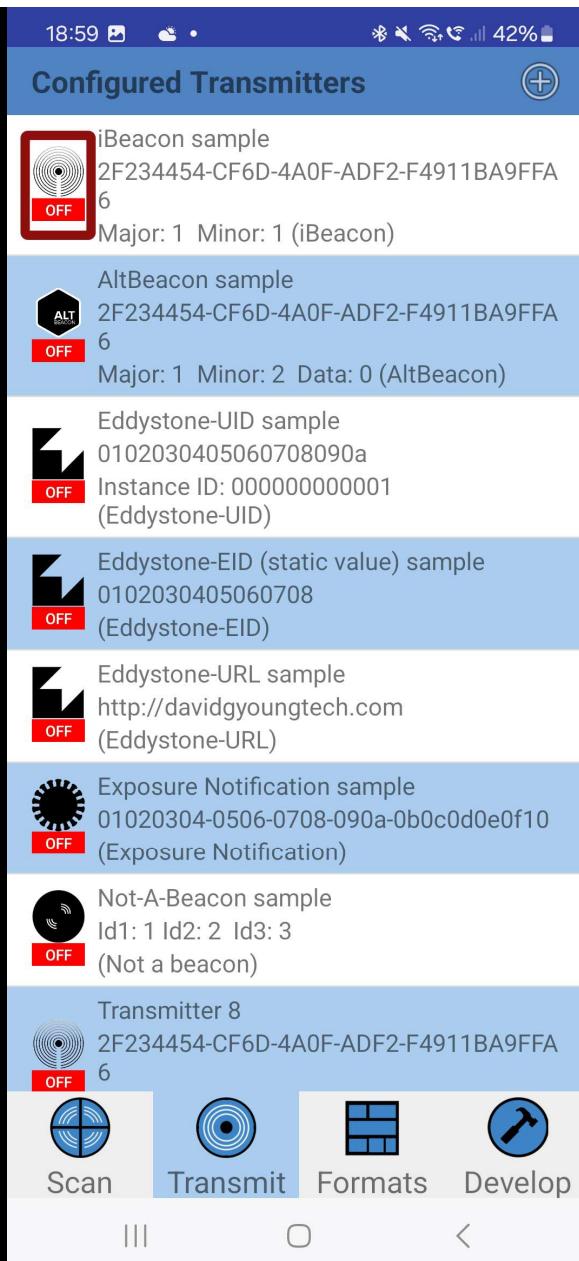
Lazy TECH Geek

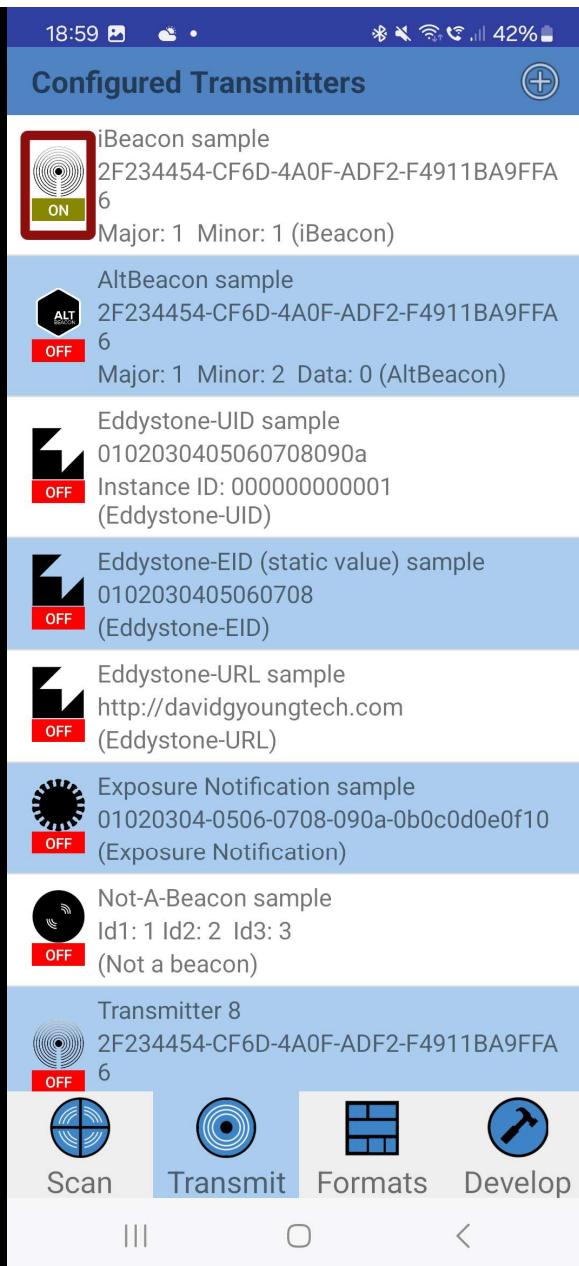


Lazy TECH Geek



Lazy TECH Geek





Adding iOS Devices to ESpresense (BLE Setup)

← → ⌂ Not secure 192.168.1.209

Room:
bedroom_1

Seconds to wait for WiFi before captive portal (-1 = forever):
60

Seconds to wait in captive portal before rebooting:
300

Ethernet Type:
None

MQTT

Server:
192.168.1.113

Port:
1883

Username:

Password:

Send to discovery topic (default:)

Home Assistant discovery topic prefix:
homeassistant

Send to telemetry topic (default:)

Send to rooms topic (deprecated in v4) (default:)

Send to devices topic (default:)

Updating

Automatically update (default:)

Include pre-released versions in auto-update (default:)

Arduino OTA Update (default:)

If set will update from this url on next boot:

 Click here to edit other settings!

The screenshot shows the ESPresense web interface at the URL 192.168.1.209/ui/#/devices. The left sidebar has three items: "Settings", "Devices" (which is selected and highlighted with a red box), and "Fingerprints". The main content area features a large blue "Enroll" button at the top. Below it is a table listing detected devices:

ALIAS ▲	ID	NAME	RSSI@1M
node:bedroom	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-68-31632	Bedroom	
node:bedroom_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-44-51493	bedroom_1	
node:bedroom_2	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-24-48799	bedroom-2	
node:esp_lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-212-30608	ESP-Lounge	
node:kitchen_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-204-23703	Kitchen-1	
node:lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-204-30352	Lounge	
node:lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-192-2154	Lounge	
node:lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-100-89	Lounge-1	
node:poe_lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-164-45909	poe_lounge_1	
node:poe_lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-0-0	poe_lounge_1	

Enroll Device - bedroom_1

Select device type

Enter name

Enter custom ID or leave empty for auto-generated

Leave empty to use auto-generated ID

Close

Enroll

Enroll Device - bedroom_1

Select device type

Select device type

watch

wallet

ipad

phone

airpods

laptop

node

keys

therm

flora

tile

Enroll Device - bedroom_1

phone

Enter name

Enter custom ID or leave empty for auto-generated

Leave empty to use auto-generated ID

Close

Enroll

Enroll Device - bedroom_1

phone

iPhone

phone:iphone

Leave empty to use auto-generated ID

Close

Enroll

Enroll Device - bedroom_1

phone

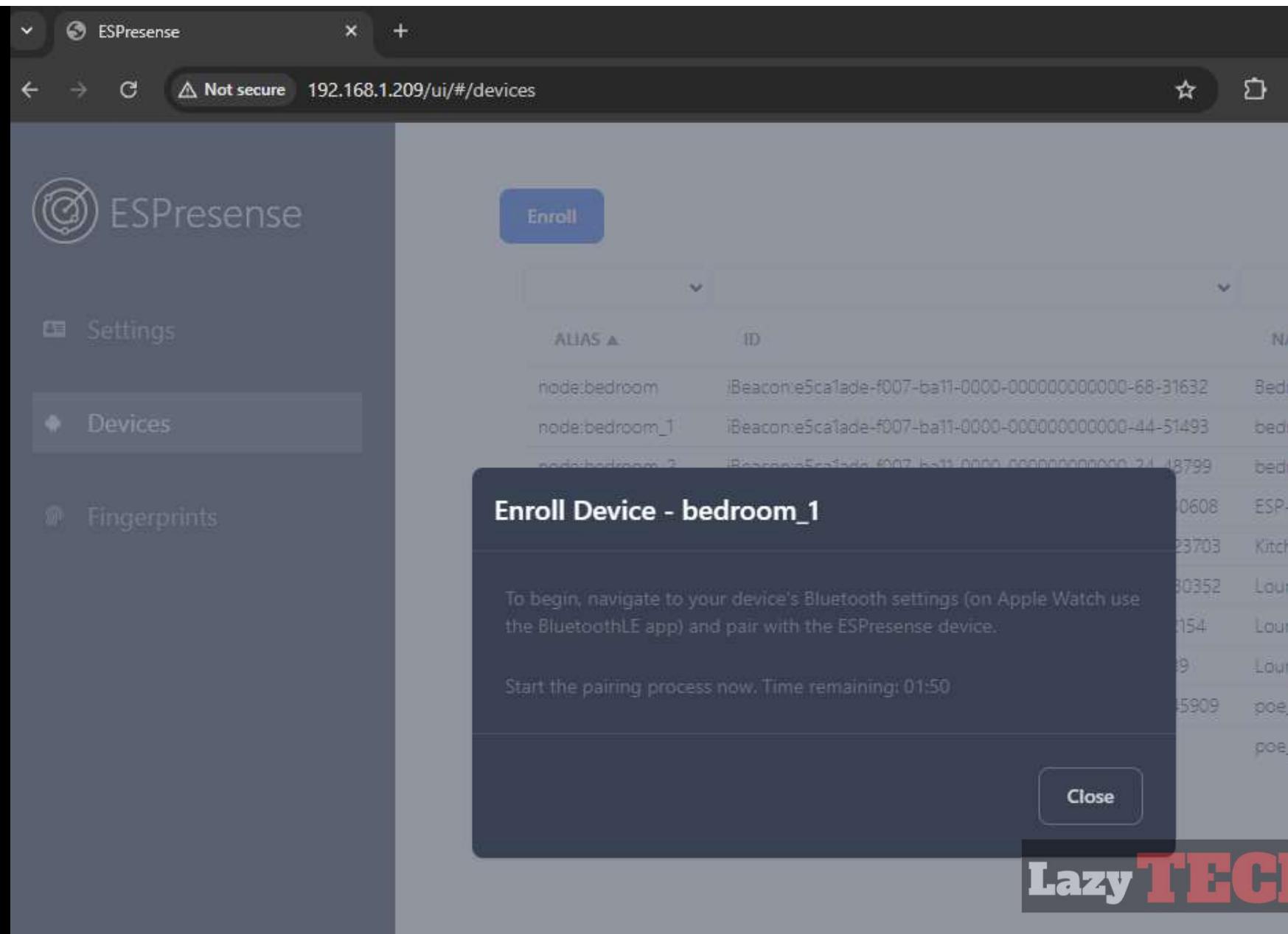
iPhone

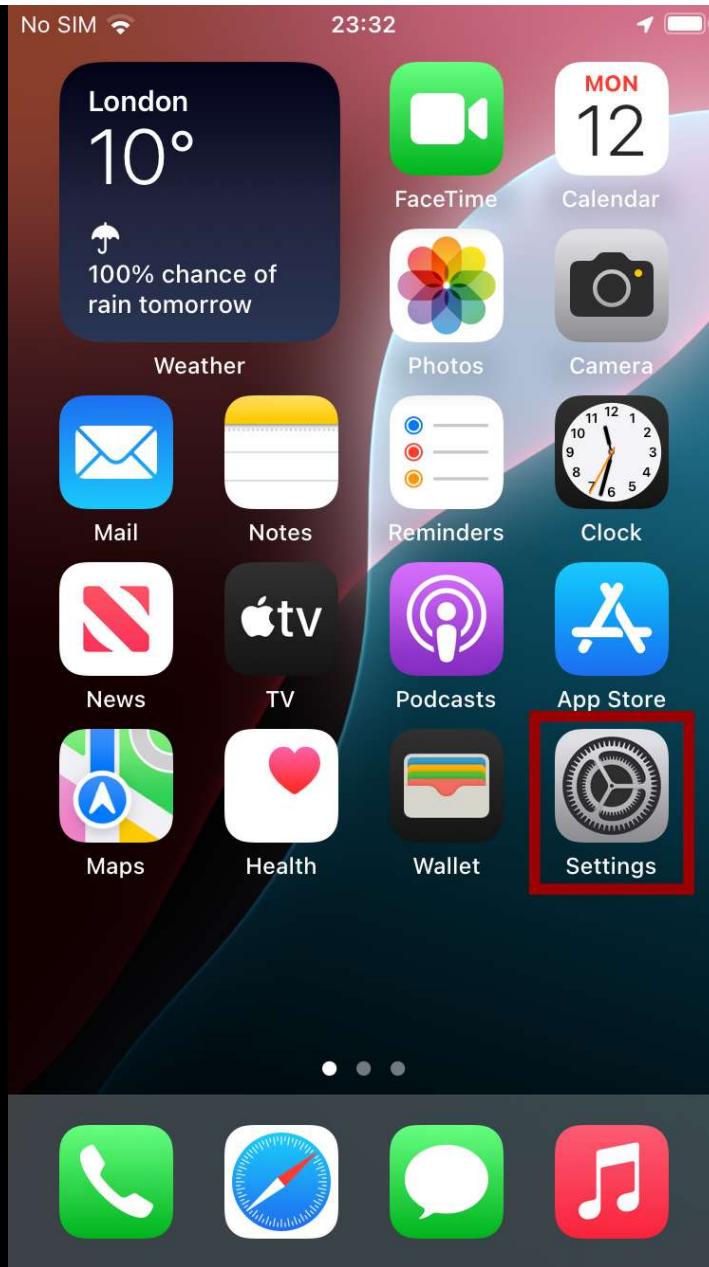
phone:iphone

Leave empty to use auto-generated ID

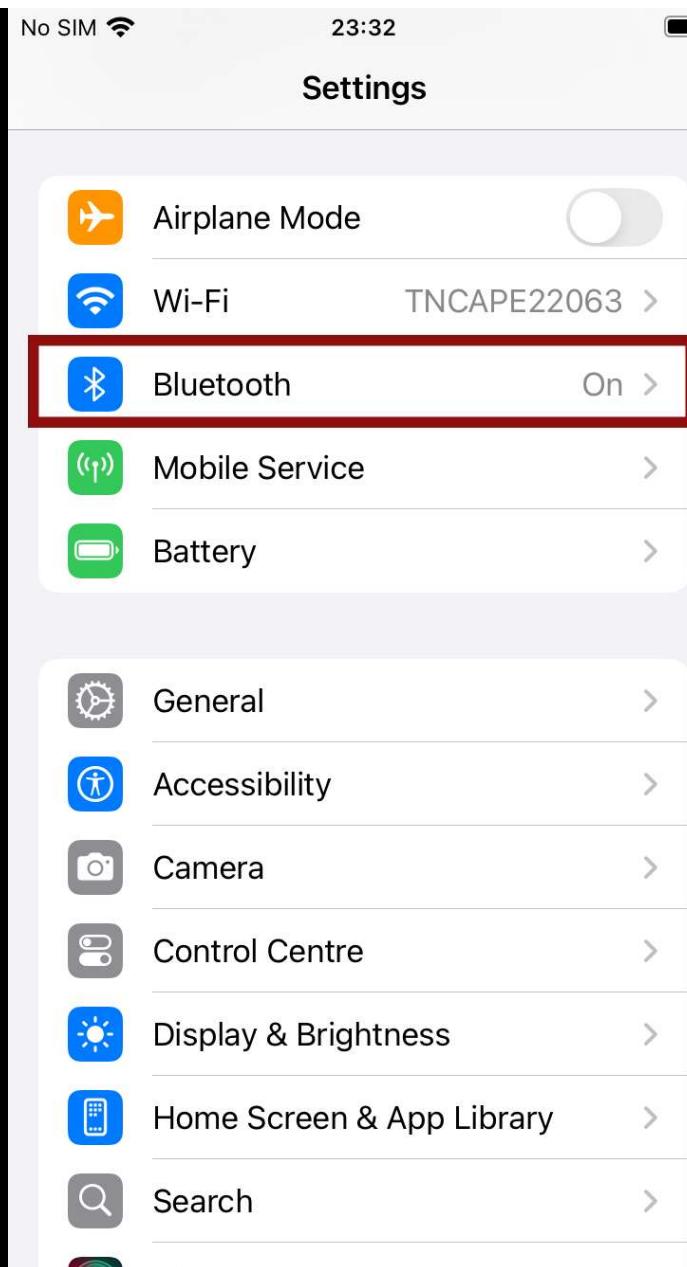
Close

Enroll

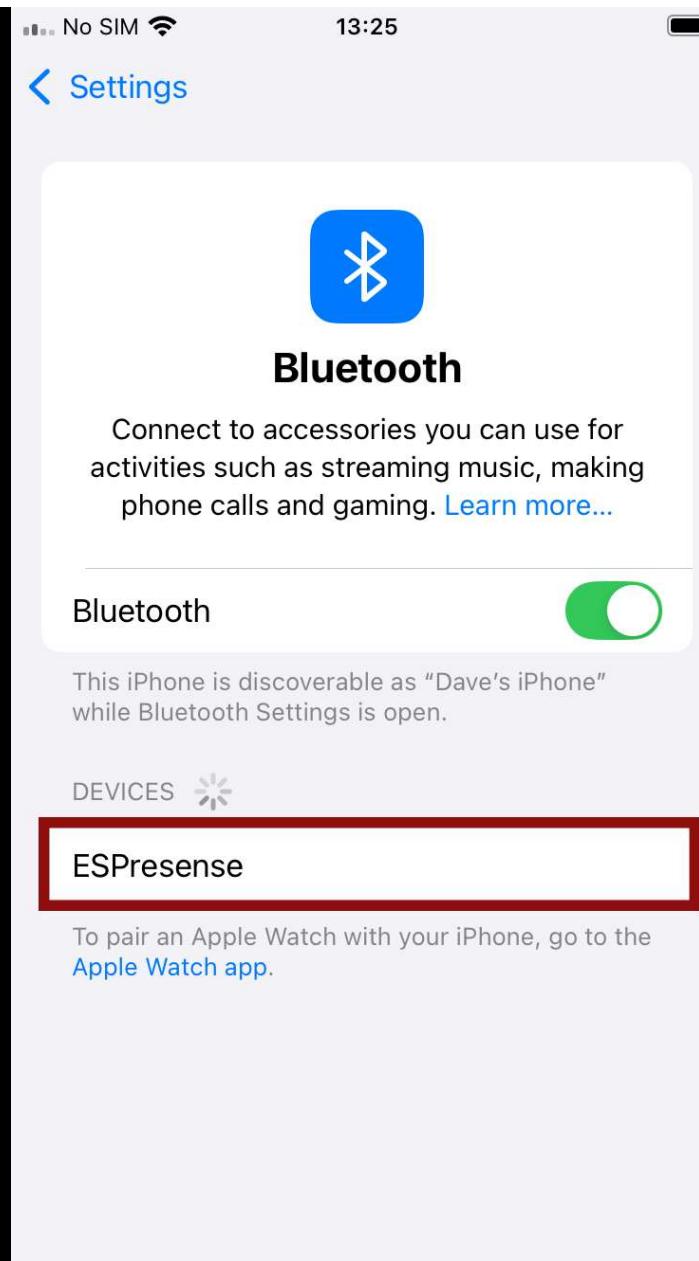




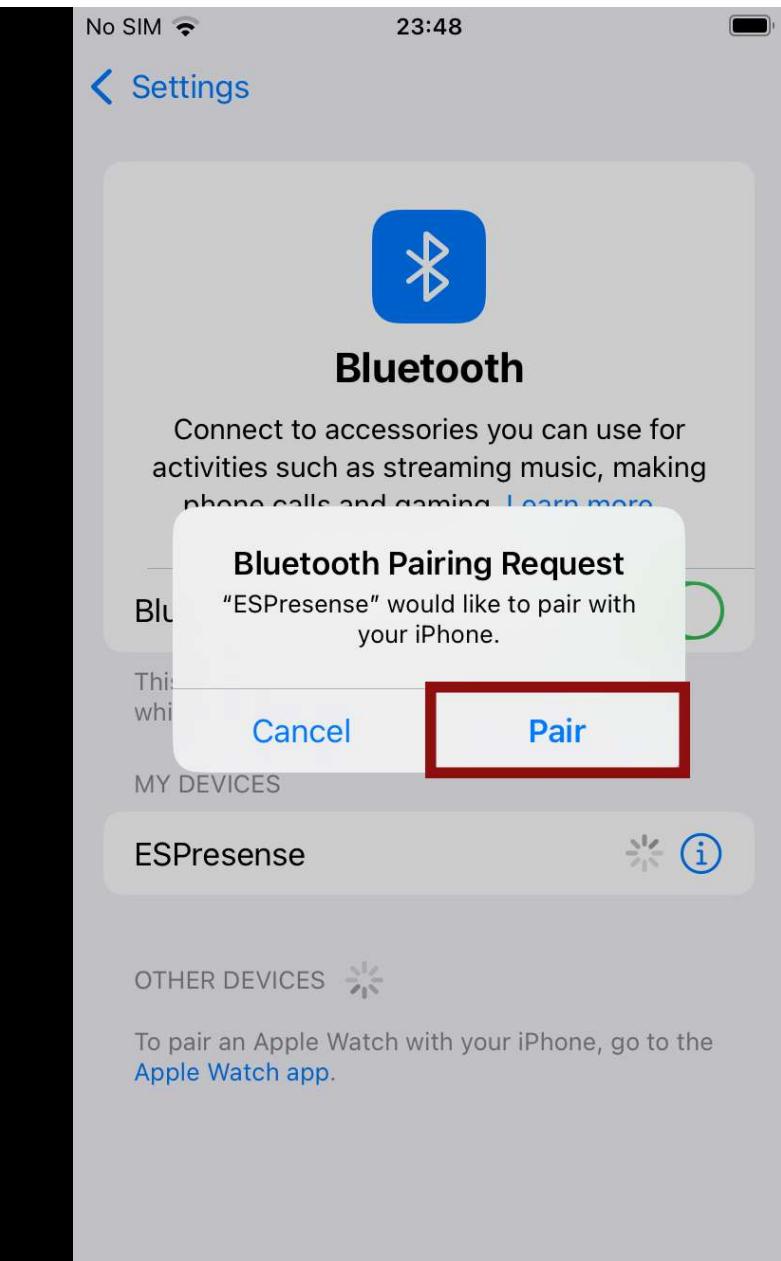
Lazy TECH Geek



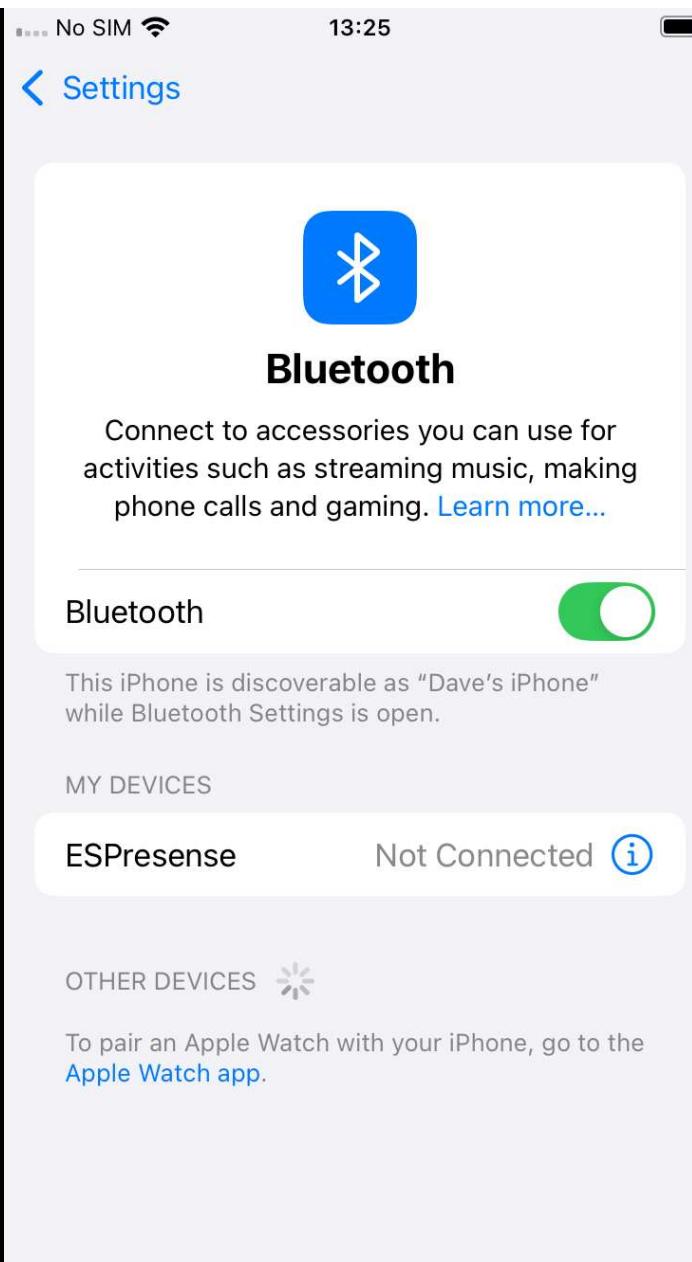
Lazy TECH Geek



Lazy TECH Geek



Lazy TECH Geek



Lazy TECH Geek

The screenshot shows a web browser window titled "ESPresense" with the URL "192.168.1.209/ui/#/devices". The left sidebar has three options: "Settings", "Devices" (which is selected), and "Fingerprints". The main content area displays a table of devices with columns for Alias, ID, and Name. Three entries are listed: "node:bedroom", "node:bedroom_1", and "node:bedroom_2". An "Enroll" button is visible above the table. A modal dialog box is open in the center, titled "Enroll Device - bedroom_1". It contains the message: "The device has been enrolled. ESPresense has disconnected; you can delete the pairing on your device. The new device ID is: phone:iphone." A "Close" button is at the bottom of the modal. The background table rows are partially visible.

Alias	ID	Name
node:bedroom	iBeacon:e5calade-f007-ba11-0000-000000000000-68-31632	Bedroo
node:bedroom_1	iBeacon:e5calade-f007-ba11-0000-000000000000-44-51493	bedroo
node:bedroom_2	iBeacon:e5calade-f007-ba11-0000-000000000000-24-48799	bedroo

Enroll Device - bedroom_1

The device has been enrolled. ESPresense has disconnected; you can delete the pairing on your device. The new device ID is: phone:iphone.

Close



ESP Presense

- Settings
- Devices**
- Fingerprints

Enroll

ALIAS ▲	ID	NAME	RSSI@1M
node:bedroom	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-68-31632	Bedroom	
node:bedroom_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-44-51493	bedroom_1	
node:bedroom_2	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-24-48799	bedroom-2	
node:esp_lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-212-30608	ESP-Lounge	
node:kitchen_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-204-23703	Kitchen-1	
node:lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-204-30352	Lounge	
node:lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-192-2154	Lounge	
node:lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-100-89	Lounge-1	
node:poe_lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-164-45909	poe_lounge_1	
node:poe_lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-0-0	poe_lounge_1	
phone:iphone	irk:24fd06be9828291047e76d1a5d65f21e	iPhone	

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ESPResense

Settings

Devices

Fingerprints

Yes ▾

VISIBLE	DIST ▲	VAR	ID	NAME	MAC	RSSI	RSSI@1M	INT
●	0.09 m	5.05 m	cc22df2ea4ab		cc22df2ea4ab	-26 dBm	-65 dBm	4621 ms
●	0.30 m	0.00 m	phone:iphone	iPhone	78e6bc48a971	-49 dBm	-65 dBm	810 ms
●	0.34 m	0.01 m	ca0e5c4d269d		ca0e5c4d269d	-51 dBm	-65 dBm	6130 ms
●	0.39 m	0.01 m	msft:cdp:0922		048ccfeccebf	-61 dBm	-71 dBm	293 ms
●	0.49 m	0.02 m	sd:0xfef3		00eaf48c91a1	-56 dBm	-71 dBm	975 ms
●	0.51 m	0.02 m	md:0969:13		f3384113eb75	-66 dBm	-71 dBm	306 ms
●	0.63 m	0.09 m	md:0969:13		fcc81550e46a	-66 dBm	-71 dBm	296 ms
●	1.04 m	0.05 m	md:0969:15		d3dd59478144	-77 dBm	-71 dBm	420 ms
●	1.32 m	0.01 m	apple:1006:10-12		5ee8052b3c1a	-67 dBm	-65 dBm	1022 ms
●	1.40 m	0.01 m	cb3c58436f26		cb3c58436f26	-70 dBm	-65 dBm	7288 ms
●	1.59 m	0.04 m	f80dac919277		f80dac919277	-81 dBm	-71 dBm	357 ms
●	1.82 m	0.00 m	sd:0xfef3		33cf6c2e2bd2	-80 dBm	-71 dBm	1394 ms
●	1.82 m	0.00 m	samsung:70626cd612-2		70626cd612-2	-70 dBm	-71 dBm	1246 ms

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ESPRESSO

Settings

Devices

Fingerprints

VISIBLE	DIST ▲	VAR	NAME	MAC	RSSI	RSSI@1M	INT
●	0.28 m	0.02 m	apple: iBeacon: md: msft: node: phone: samsung: sd: tile:	iPhone	78e6bc48a971	-42 dBm	-65 dBm 772 ms

Lazy **TECH** Geek

← → C Not secure 192.168.1.209/ui/#/fingerprints Incognito (4)

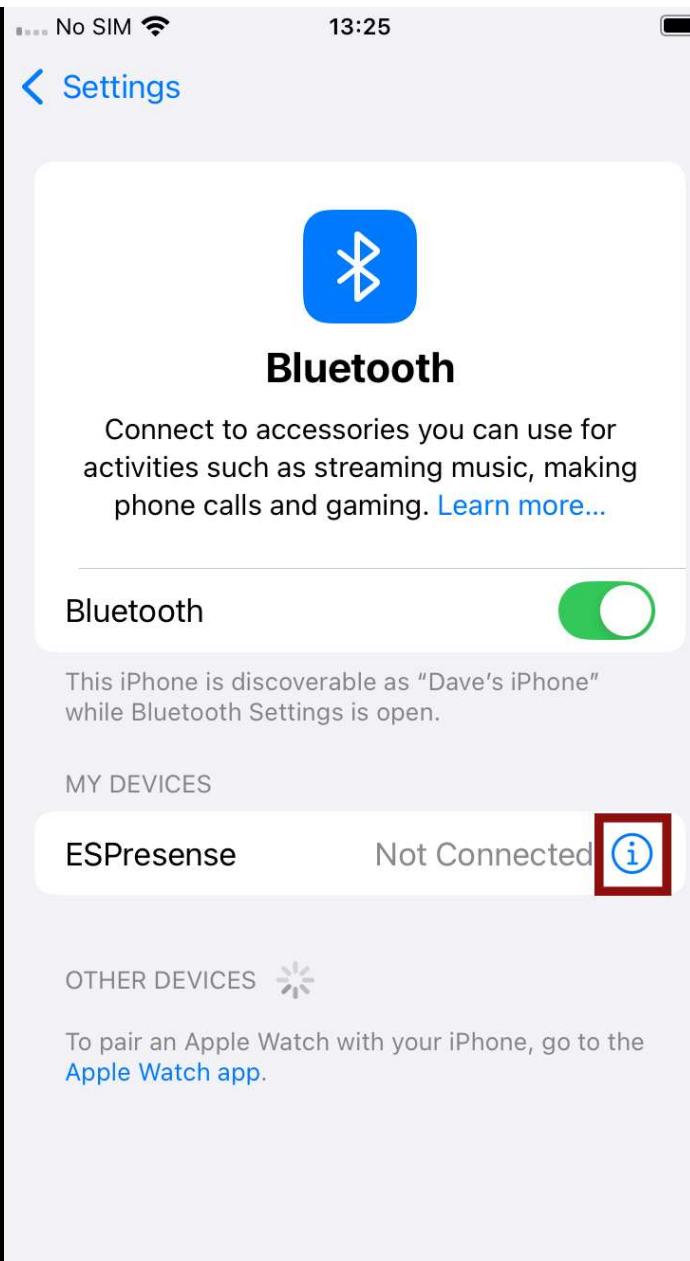
ESPresense

Settings Devices Fingerprints

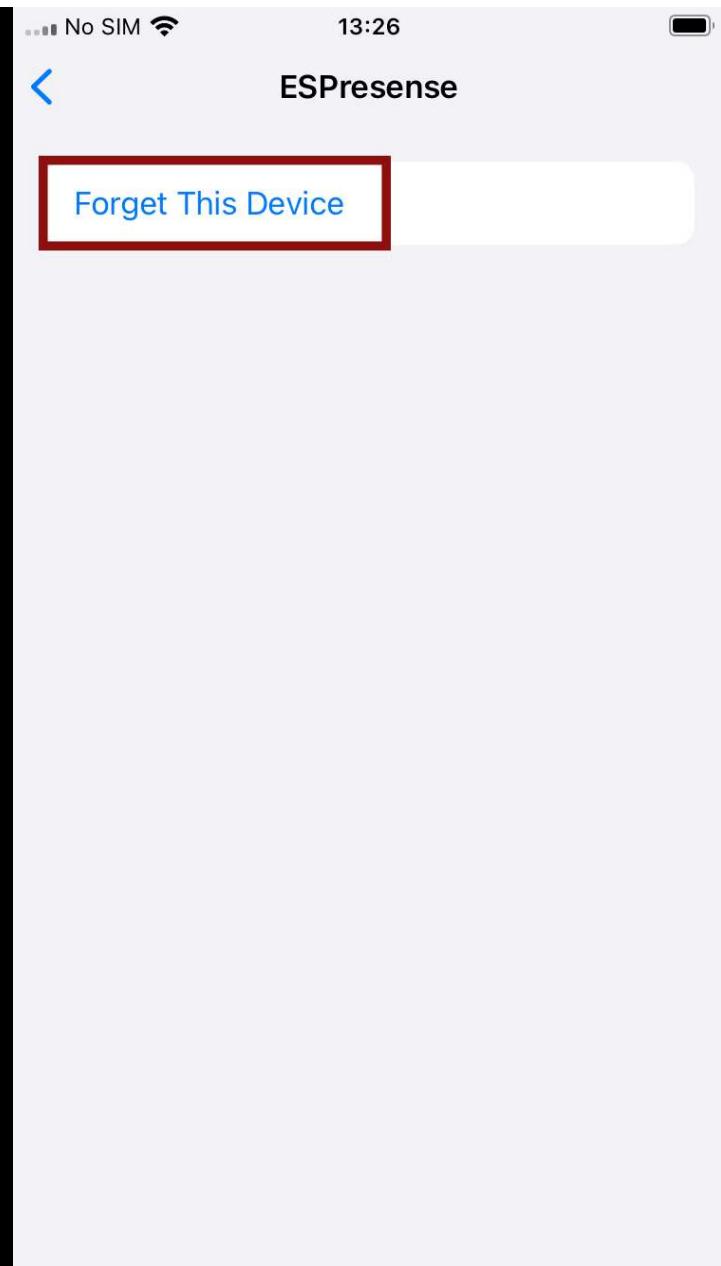
VISIBLE DIST ▲ VAR	ID	NAME	MAC	RSSI	RSSI@1M INT
Yes phone: ● 0.36 m 0.03 m phone:iphone iPhone 570e3ebcaabe -51 dBm -65 dBm 763 ms					

Unenrolling iOS Devices from ESPresense (MQTT Cleanup)

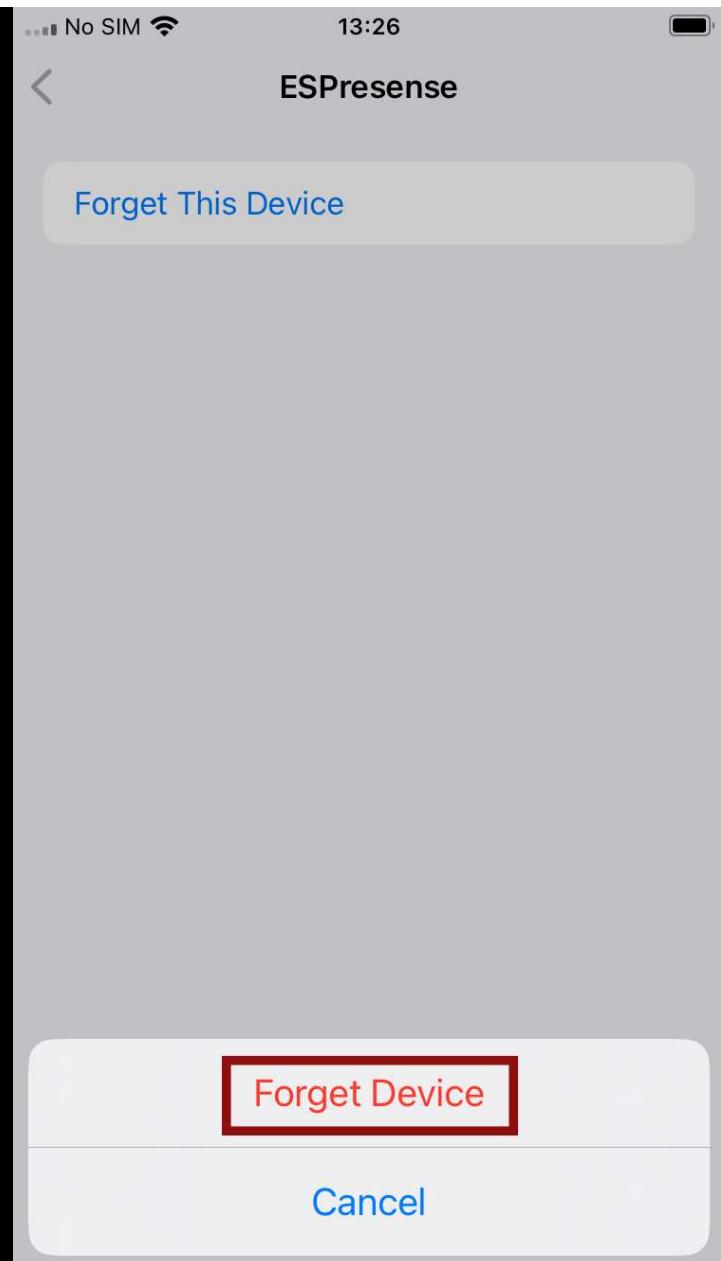
Lazy **TECH** Geek



Lazy TECH Geek



Lazy TECH Geek



Lazy TECH Geek

Not secure 192.168.1.209/ui/#/devices

ESPresense

Enroll

ALIAS ▲	ID	NAME	RSSI@1M
node:bedroom	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-68-31632	Bedroom	
node:bedroom_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-44-51493	bedroom_1	
node:bedroom_2	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-24-48799	bedroom-2	
node:esp_lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-212-30608	ESP-Lounge	
node:kitchen_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-204-23703	Kitchen-1	
node:lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-204-30352	Lounge	
node:lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-192-2154	Lounge	
node:lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-100-89	Lounge-1	
node:poe_lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-164-45909	poe_lounge_1	
node:poe_lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-0-0	poe_lounge_1	
phone:iphone	irk:24fd06be9828291047e76d1a5d65f21e	iPhone	

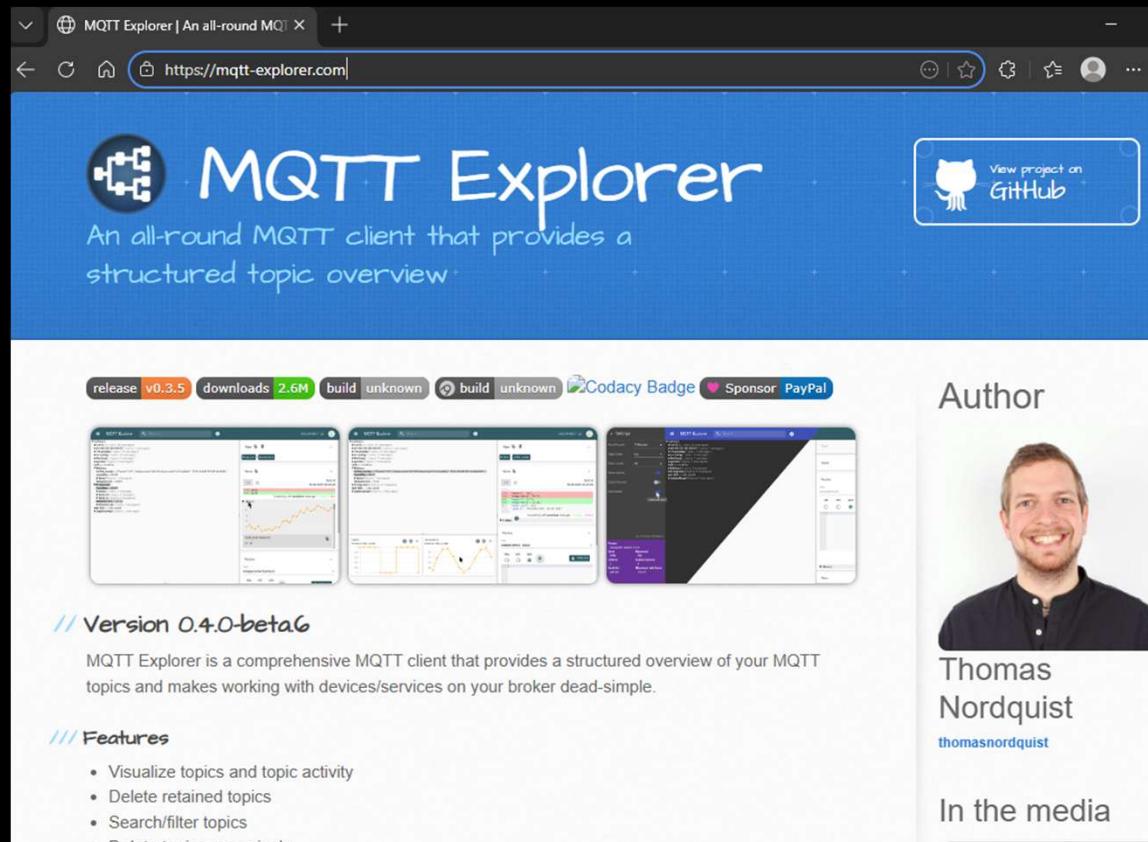
Devices

Fingerprints

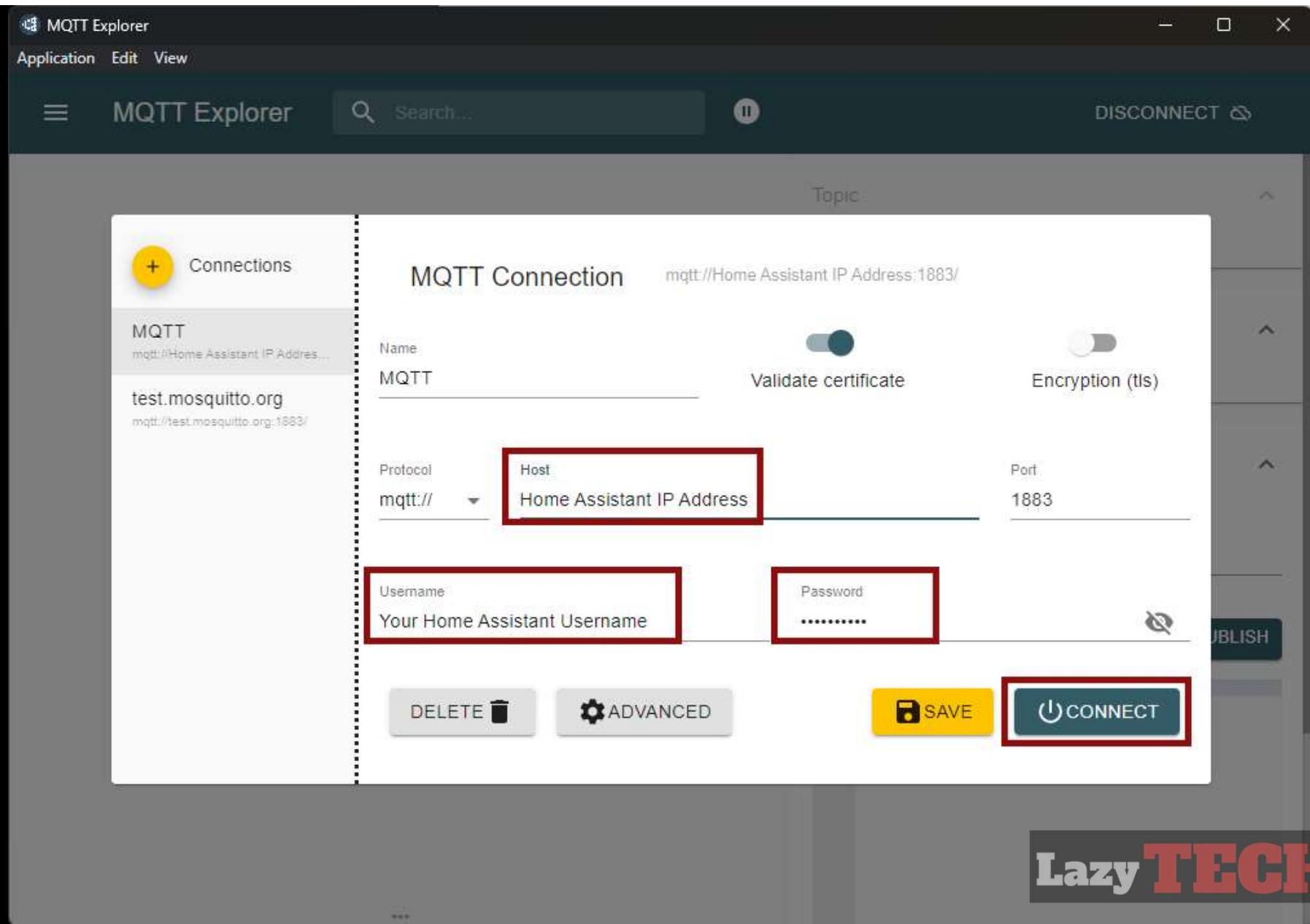
Lazy TECH Geek

Download and install MQTT Explorer

<https://mqtt-explorer.com>



Lazy **TECH** Geek



Lazy TECH Geek

MQTT Explorer

Application Edit View

MQTT Explorer

Search... DISCONNECT 

▼ 192.168.1.113

- tasmota (2 topics, 2 messages)
- tele (3 topics, 162 messages)
- espresense (1 topic, 1 message)
 - rooms (164 topics, 6631 messages)
 - settings
 - iBeacon:e5ca1ade-f007-ba11-0000-000000000000-212-30608 (1 topic, 1 message)
 - iBeacon:e5ca1ade-f007-ba11-0000-000000000000-204-30352 (1 topic, 1 message)
 - iBeacon:e5ca1ade-f007-ba11-0000-000000000000-68-31632 (1 topic, 1 message)
 - iBeacon:e5ca1ade-f007-ba11-0000-000000000000-192-2154 (1 topic, 1 message)
 - iBeacon:e5ca1ade-f007-ba11-0000-000000000000-204-23703 (1 topic, 1 message)
 - iBeacon:e5ca1ade-f007-ba11-0000-000000000000-100-89 (1 topic, 1 message)
 - iBeacon:e5ca1ade-f007-ba11-0000-000000000000-44-51493 (1 topic, 5 messages)
 - iBeacon:e5ca1ade-f007-ba11-0000-000000000000-24-48799 (1 topic, 1 message)
 - iBeacon:e5ca1ade-f007-ba11-0000-000000000000-164-45909 (1 topic, 1 message)
 - iBeacon:e5ca1ade-f007-ba11-0000-000000000000-0-0 (1 topic, 1 message)
 - irk:24fd06be9828291047e76d1a5d65f21e (1 topic, 1 message)
- companion (2 topics, 1601 messages)
- devices (1521 topics, 478456 messages)
- homeassistant (164 topics, 217 messages)
- zigbee2mqtt (43 topics, 1094 messages)
- shelly1minig3-dcda0ce2f904 (2 topics, 19 messages)
- frigate (166 topics, 964 messages)
- \$SYS (53 topics, 127193 messages)

Topic 

espresense / settings /
irk:24fd06be9828291047e76d1a5d65f21e

Value

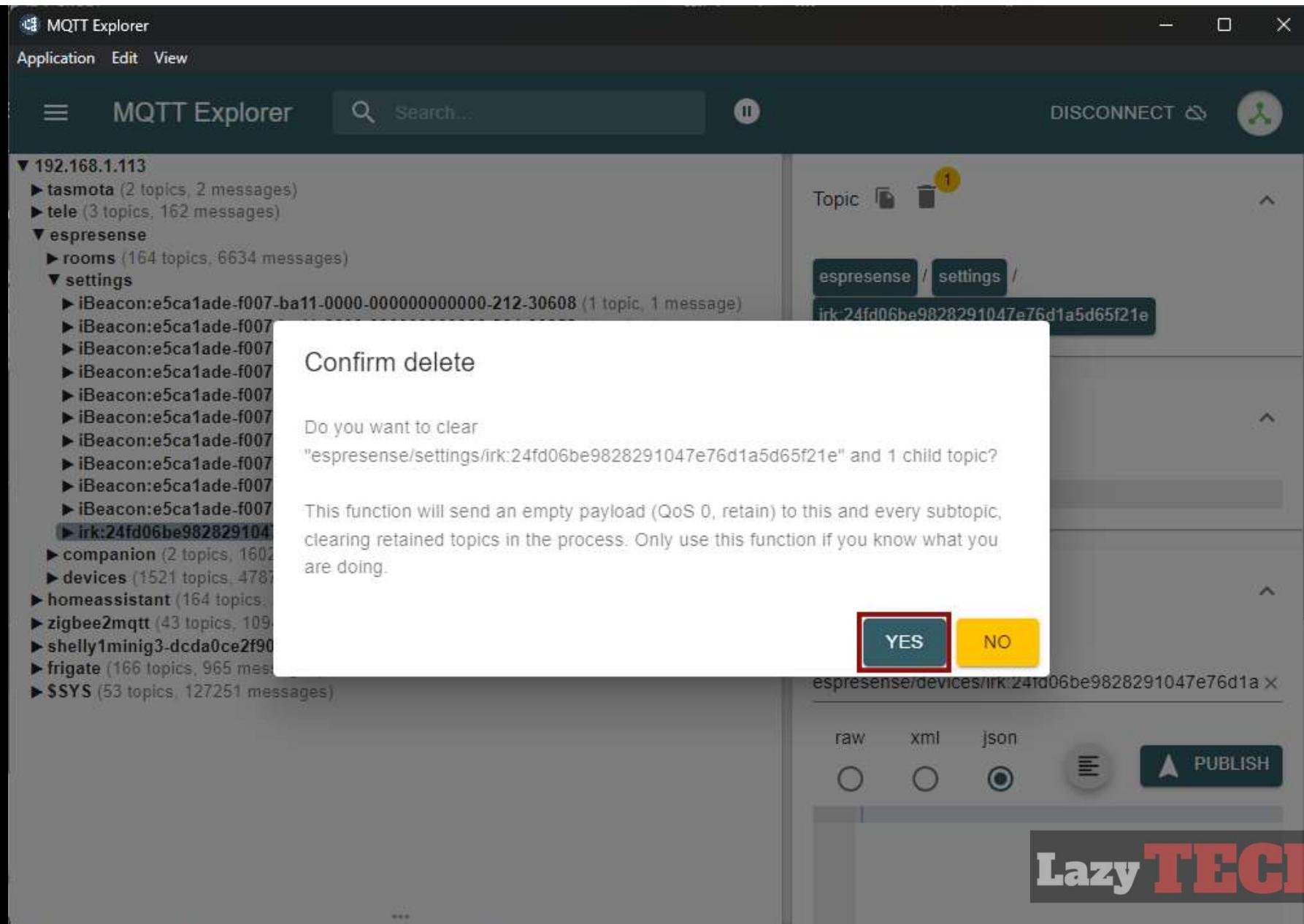
► History

Publish

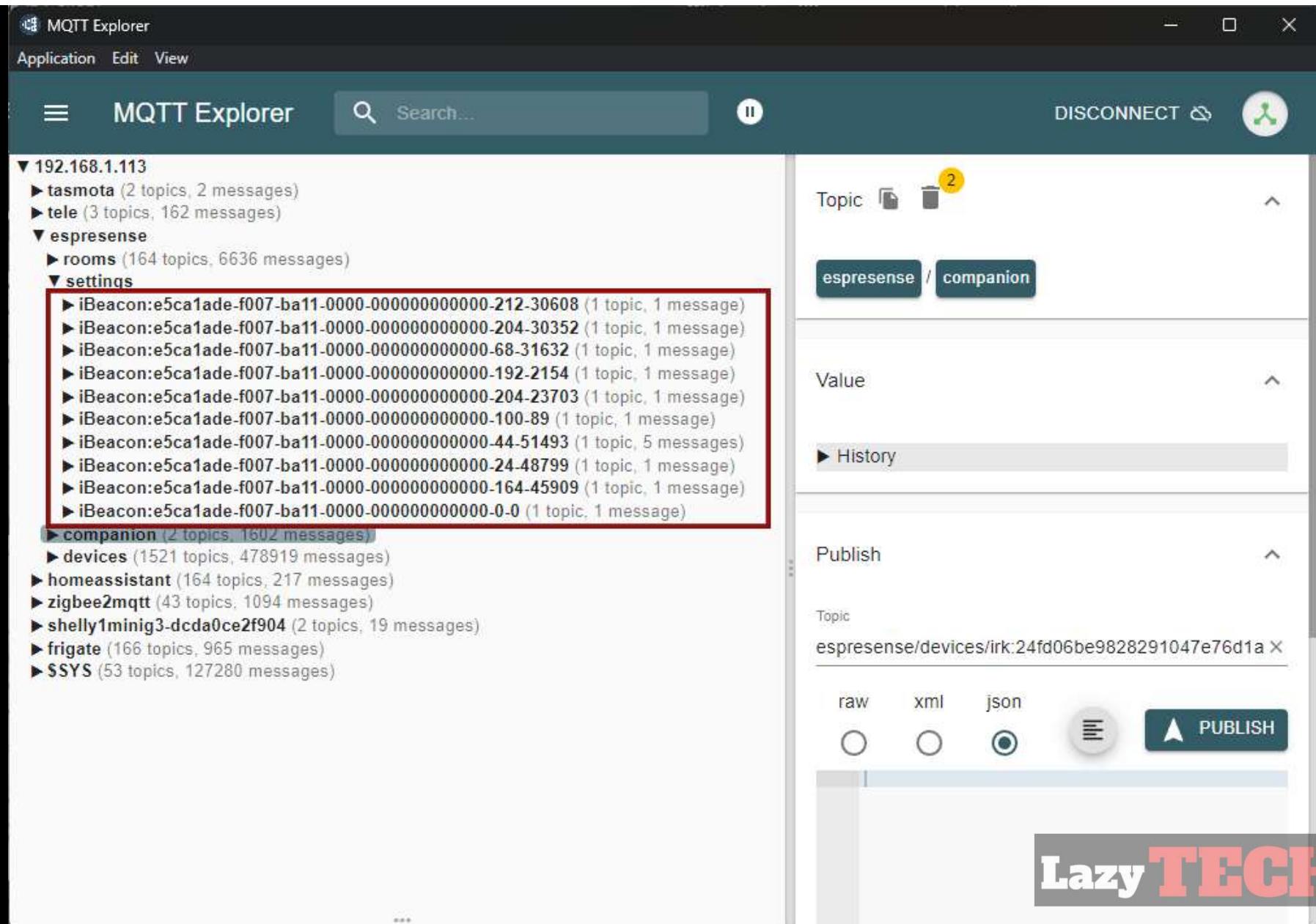
Topic
espresense/devices/irk:24fd06be9828291047e76d1a ×

raw xml json  

Lazy TECH Geek



Lazy TECH Geek



Lazy TECH Geek

ESPresense

Not secure 192.168.1.209/ui/#/devices

ESPresense

Settings

Devices

Fingerprints

Enroll

ALIAS ▲	ID	NAM
irk:24fd06be9828291047e76d1a5d65f21e	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-68-31632	Bedro
node:bedroom	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-44-51493	bedro
node:bedroom_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-24-48799	bedro
node:bedroom_2	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-212-30608	ESP-L
node:esp_lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-204-23703	Kitch
node:kitchen_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-204-30352	Loung
node:lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-192-2154	Loung
node:lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-100-89	Loung
node:poe_lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-164-45909	poe_l
node:poe_lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-0-0	poe_l

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The screenshot shows the ESPresense mobile application. At the top left is the ESPresense logo. Below it is a navigation bar with three items: "Settings" (highlighted with a red border), "Devices", and "Fingerprints".

Scanning

Known BLE mac addresses (no colons, space separated):

Known BLE identity resolving keys, should be 32 hex chars space separated:

Forget beacon if not seen for (in milliseconds):

Querying

Query device ids for characteristics (eg. flora:)

Requery interval in seconds:

Counting

Include id prefixes (space separated):

Start counting devices less than distance (in meters):

Stop counting devices greater than distance (in meters):

Time threshold (in ms):

Restart **Save**

Lazy TECH Geek

The screenshot shows the ESPresense web interface at the URL 192.168.1.209/ui/#/devices. The left sidebar has three items: 'Settings' (with a gear icon), 'Devices' (with a location pin icon, highlighted with a red box), and 'Fingerprints' (with a fingerprint icon). The main content area has a blue 'Enroll' button at the top. Below it are three dropdown menus. A table lists ten devices with columns for Alias, ID, Name, and RSSI. The table is bordered by a red box.

ALIAS ▲	ID	NAME	RSSI
node:bedroom	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-68-31632	Bedroom	
node:bedroom_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-44-51493	bedroom_1	
node:bedroom_2	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-24-48799	bedroom-2	
node:esp_lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-212-30608	ESP-Lounge	
node:kitchen_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-204-23703	Kitchen-1	
node:lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-204-30352	Lounge	
node:lounge	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-192-2154	Lounge	
node:lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-100-89	Lounge-1	
node:poe_lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-164-45909	poe_lounge_1	
node:poe_lounge_1	iBeacon:e5ca1ade-f007-ba11-0000-000000000000-0-0	poe_lounge_1	