

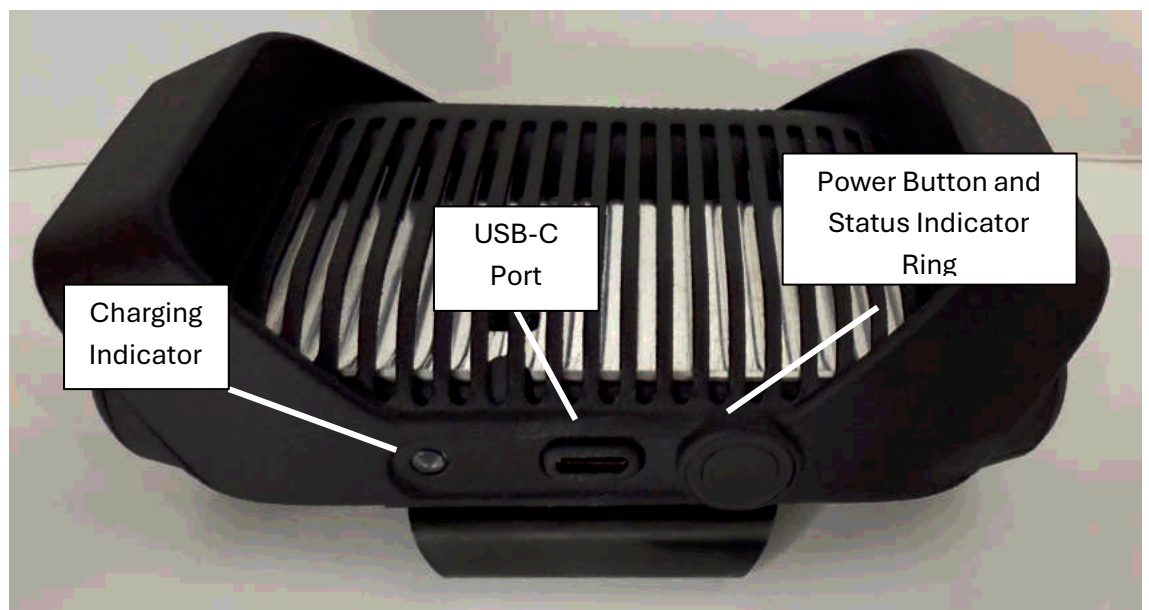
Hamina Clip

User Manual

1. Introduction

Thank you for purchasing Clip Wi-Fi measurement device by Hamina Wireless. This tool is designed to work seamlessly with Hamina Onsite on iPhone, iPad, or Mac computers. The device scans Wi-Fi access points and provides real-time data to support network analysis and site surveys.

2. Device Overview



Charging Indicator

Provides feedback when the unit is being charged through the USB-C port.

Indicator Color	State
Off	Device NOT Charging
Blinking Yellow	Device Charging

Solid Green	Device Fully Charged
Solid Yellow	Device receives the USB charging voltage but is not charging the battery; This can happen due the too hot or cold condition of the battery or insufficient power delivery capability of the host.

USB-C Port

Used for charging and wired data connection.

Power button and Status Indicator Ring

To turn device on: Hold for a few seconds until you see the Status Indicator light up

To turn device off: Hold for a second and release, Status Indicator turns red to show that the device is shutting down

Status Indicator shows the current state of the device as follows:

LED Color	State
Off	Device Off
Solid Yellow	Device starting up
Solid Green	Device on and ready for use
Rapid Blinking Red	Battery low, shutting down
Solid Red	Device shutting down
Green	Firmware flashing mode

3. Getting Started

Connect the device to any USB-C power source.

Charging should start automatically and Charging indicator will blink yellow when charging.

If the Charging Indicator does not turn automatically, tap the power button briefly and this should start the charging process.

Wait until the Charging Indicator turns green to show the battery is fully charged.

4. Basic Use

Press the power button until you see the Status Indicator turn yellow. Release the power button and wait until the Status Indicator turns solid white.

The device will automatically connect via Bluetooth Low Energy (BLE) and no manual pairing via device settings is required.

To initiate automatic connection, start Hamina Onsite app on your iPhone/iPad/Mac. Go to Settings view in the app. You should see the Clip unit appear in the list of nearby measurement devices. Move the Clip unit closer to the device running the app until the indicator shows “In Use” to indicate the unit has been detected to be close enough to automatically taken in to use by the app.

You can now use the Onsite app normally to either view real time data of the surrounding network or to do perform site surveys.

We recommend using the metal clip of the device to attach it somewhere convenient like on your belt. This ensures the Wi-Fi antennas are facing outwards and provide best measurement coverage.



6. Using the Device

Once connected, the device begins scanning the local network for Wi-Fi beacons and probe responses.

Detected access points are transmitted to the Hamina Onsite app.

In the app, you can:

View a real-time summary of your associated Wi-Fi network.

Perform an on-site survey by uploading a floor plan and tapping on locations within the plan as you walk. (do we need this?) Maybe refer to an online guide instead?)

Add text and image notes to the floor plan.

7. Troubleshooting

Issue	Possible Cause	Solution
Device does not turn on	Battery depleted	Connect to charger via USB-C

Device not visible in app	Out of BLE range or interference	Bring device closer, or use USB-C cable
Status Indicator does not light up	Battery fully discharged or hardware fault	Recharge device; if issue persists, contact support

8. Technical Specifications

Height: 46 mm (39 mm without the clip)

Width: 76 mm

Length: 126 mm

Weight: 285 g

Single multi-function power button

RGB LED ring indicator around power button

Power: 3.6V / 4600mAh Rechargeable Li-Ion battery

Device Connectivity: BLE and USB-C

Charging:

Use USB PD (Power Delivery) chargers only.

Clip device supports maximum 15W charging power.

Operation Environment:

Temperature range 0 °C ... +40 °C

Indoor use, IP64

Storage:

Temperature range -20 ... + 45 °C

Humidity < 85% RHD

8. Safety & Handling

Use only standard-compliant USB-C chargers.

Avoid exposure to water or extreme temperatures.

Do not attempt to open or modify the device.

Battery Safety Warnings for Li-Ion Devices

Do not expose the device or battery to fire, high temperatures, or direct sunlight – risk of explosion or fire.

Do not puncture, crush, or disassemble the device or battery.

Do not immerse in water or other liquids.

Use only the supplied or recommended charger and cable.

Do not short-circuit the USB-C connector or battery terminals.

Keep out of reach of children.

Do not use the device if it has been dropped or shows signs of damage (swelling, leakage, unusual odour, overheating).

Do not subject the device to extremely low air pressure; this can result in an explosion or leakage of flammable liquid or gas from the battery.

Stop using immediately if the battery becomes hot, emits an odour, or behaves abnormally.

Charge only in a dry, well-ventilated area, away from flammable materials.

Do not charge unattended or overnight (commonly recommended in conservative safety language).

Temperature limits: Operate and charge only within the specified temperature range (

Transport & disposal: Do not throw the battery in household waste. Dispose of according to local recycling and environmental regulations.

Air travel: Follow airline regulations when carrying devices with Li-Ion batteries.

Failure to follow these safety instructions could result in fire, explosion, or other hazards.

Manufacturer is not responsible for damage caused by use with non-approved accessories.

9. LEGAL NOTICES

Hereby, Hamina Wireless Oy declares that the radio equipment type Clip is in compliance with Directive 2014/53/EU.

Hamina Wireless Oy vakuuttaa, että radiolaitetyyppi Clip on direktiivin 2014/53/EU mukainen.

Clip operates at Bluetooth® 2.4 GHz band and WIFI 2.4 GHz, 5 GHz and 6 GHz bands.

The maximum radio-frequency powers (EIRP) transmitted are:

- Bluetooth LE: 11,5 dBm
- WIFI: 2.4GHz 18,7 dBm / 5GHz 23,1 dBm / 6GHz 22,8 dBm

Manufacturer name and address:

Hamina Wireless Oy

Mannerheimintie 4

00100 Helsinki, Finland

RECYCLING

Check the local regulations for proper disposal of electronic products. The Directive on Waste Electrical and Electronic Equipment (WEEE), which entered into force as European law on 13th February 2003, resulted in a major change in the treatment of electrical equipment at end-of-life. The purpose of this Directive is, as a first priority, the prevention of WEEE, and in addition, to promote the reuse, re-cycling and other forms of recovery of such wastes so as to reduce disposal.

The crossed-out wheelie-bin symbol on your product, battery, literature, or packaging reminds you that all electrical and electronics products and batteries must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste: take them for recycling. For info on your nearest recycling point, check with your local waste authority.



FCC REQUIREMENTS FOR OPERATION IN THE UNITED STATES

FCC Information for the User

This product does not contain any user serviceable components and is to be used with approved, internal antennas only. Any product changes or modifications will invalidate all applicable regulatory certifications and approvals.

FCC Guidelines for Human Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be used and carried using the mounting clip as instructed in user guide, This ensures a minimum distance of 19 mm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Federal Communications Commission Statement

This device complies with Part 15 Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

FCC Radio Frequency Interference Warnings & Instructions

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment uses and can radiate radio frequency and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

- Increase the separation between the equipment and the receiver
- Consult the dealer or an experienced radio/TV technician for help
- Reorient or relocate the receiving antenna

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Innovation, Science and Economic Development Canada (ISED) regulatory information

This device complies with RSS-247 of the Innovation, Science and Economic Development Canada (ISED) rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme RSS-247 d'Innovation, Sciences et Développement économique Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement

This device complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be used and carried using the mounting clip as instructed in user guide. This ensures a minimum distance of 19 mm between the radiator and your body.

NOTE IMPORTANTE: Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être utilisé et transporté à l'aide du clip de fixation conformément aux instructions du guide d'utilisation. Cela garantit une distance minimale de 19 mm entre le radiateur et votre corps.

This device contains radio modules with the following certifications:

- **Contains FCC ID:** XPYJODYW377
- **Contains IC:** 8595A-JODYW377
- **Contains FCC ID:** 2BUVUBE200D2
- **Contains IC:** IC: 35209-BE200D2