Set-up Guide

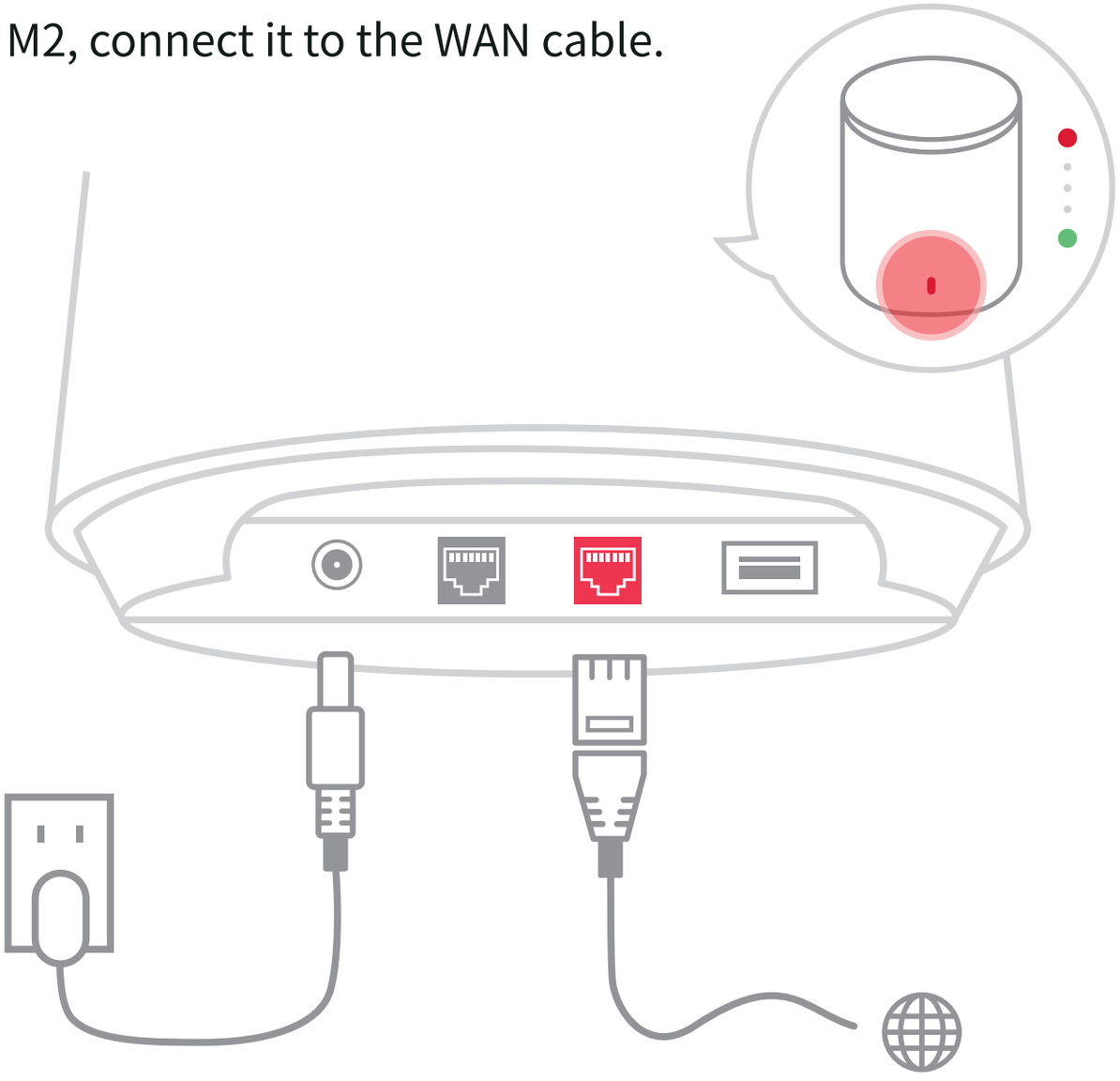
M2 Swarm Wi-Fi System

Thank you for choosing the
M2 Swarm Wi-Fi system

Steup Guide

1. Set the main M2 up

Choose any M2 Wi-Fi router as the main M2 to start.
Power on the main M2, connect it to the WAN cable.

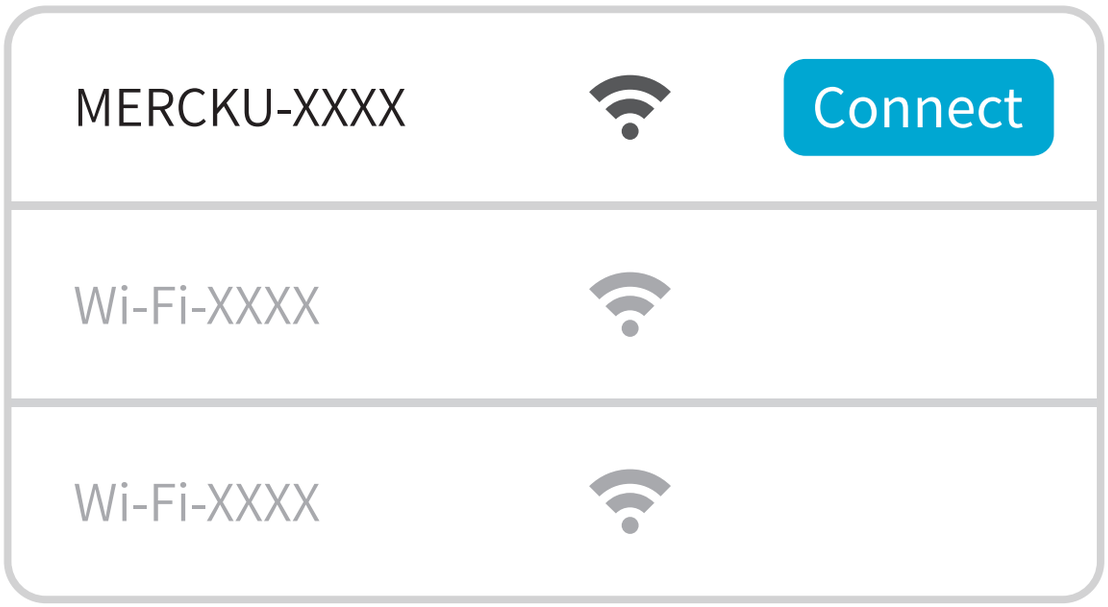


Red light indicates that there is power.

When the device has an internet
connection, the light will turn green.

2. Connect to Wi-Fi

Use your mobile device or computer to search for and connect to the MERCKU-XXXX Wi-Fi network (no password required).



* MERCKU-XXXX - to find this, please locate on the bottom label.

3. Getting Started

Setup the mesh Wi-Fi by either using Mercku App from App Store/Google Play.

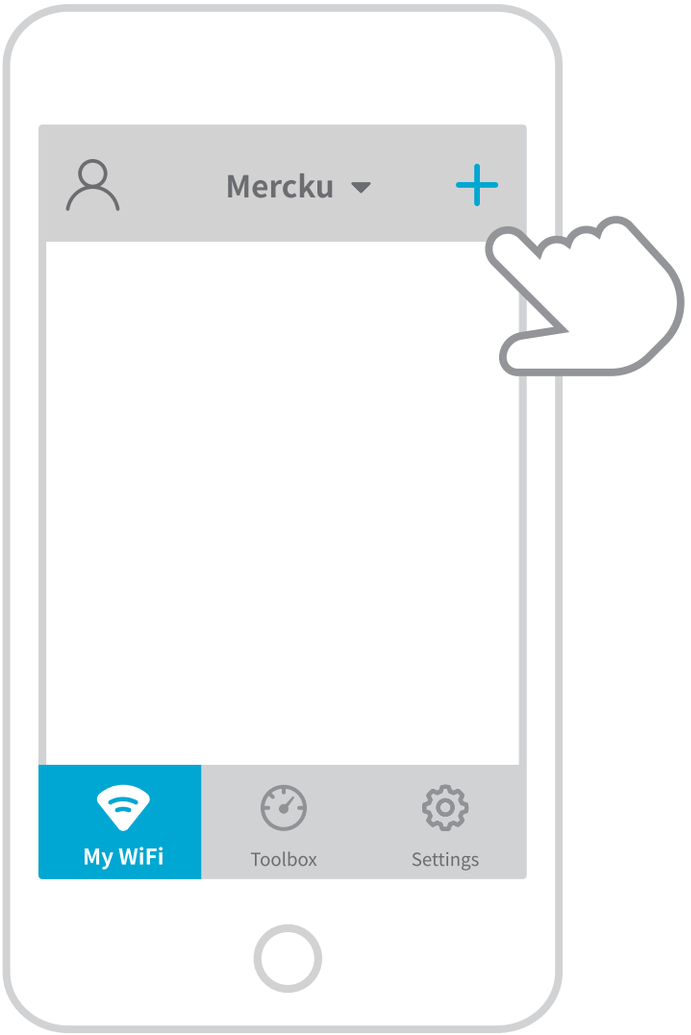
Or visit mywifi.mercku.tech through a browser to complete the setup.

Download on the App Store

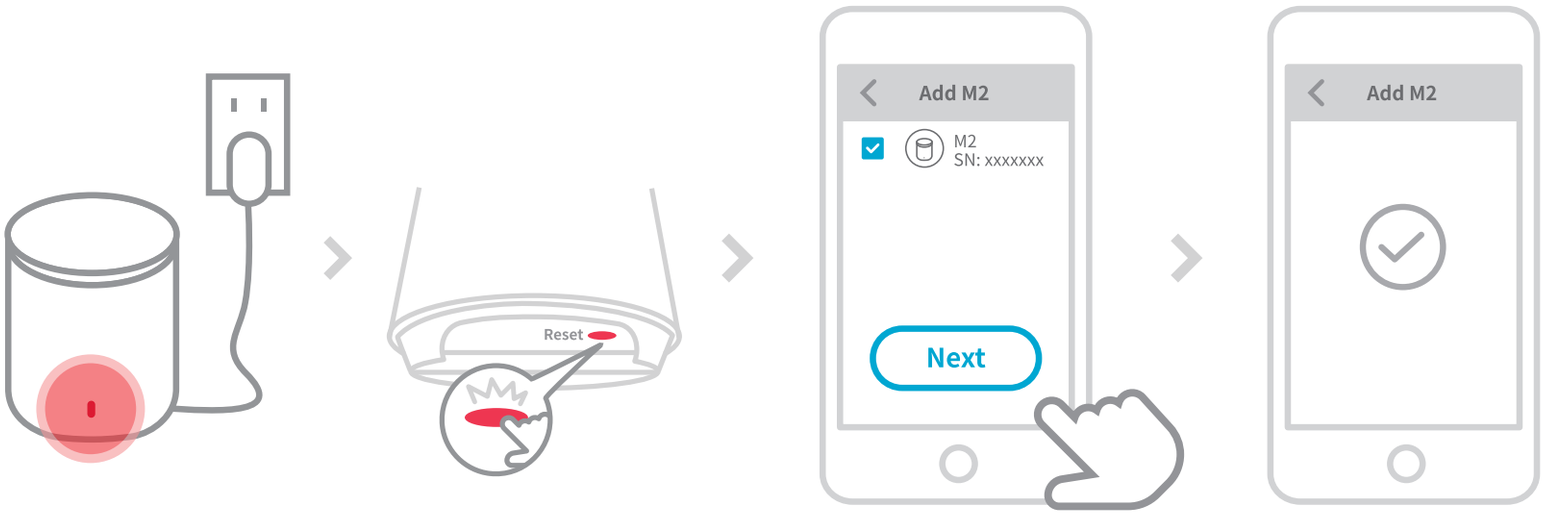
GET IT ON Google Play

4. Add a mesh node

Open Mercku App, click the “+” button on the homepage and select the node type “M2 Standalone Wi-Fi Router”.

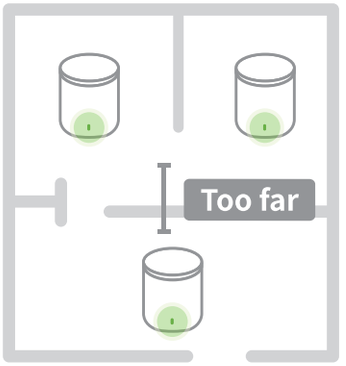


1. Power on the M2 and wait until its indicator light is in steady red.
2. Tap M2's Reset button and its indicator light will blink in red.
3. Click “Next” in the App or webpage, and wait for the M2 to join the mesh.
4. Repeat 1-3 for each M2.

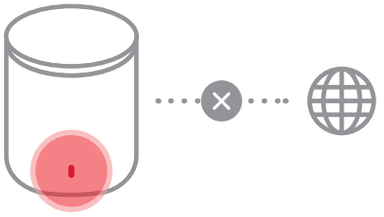


Note:

* If the M2's indicator light blinks, it means that the signal is weak. Please move the M2 closer to the other M2s in the mesh network.



* Steady red indicates that the M2 node failed to connect to the mesh network or no internet connection. Please double-check the network or perform "Add a node" step again to finish the setup.



Need help? www.mercku.com/help

FCC ID: 2APR4-M2

This device complies with Part 15 of the FCC rules. Operation is subjected 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.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

The device for opration in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

This device complies with Industry Canada’s licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

The distance between user and products should be no less than 20cm

l'appareil pour l'opération dans la bande 5150–5250 est uniquement pour usage à l'intérieur réduire le risque de brouillage préjudiciable au canal commun de systèmes mobiles par satellite ;

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada . Son fonctionnement est soumis aux deux conditions suivantes :

(1) Ce dispositif ne peut causer d'interférences ; et

(2) Ce dispositif doit accepter toute interférence , y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

la distance entre l'utilisateur et les produits devraient être au moins 20cm

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 generates, uses and can radiate radio frequency energy 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 measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

MERCKU

Authentication

IC and FCC Compliance Statement

This device complies with Industry Canada standard(s).
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
We have determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

RoHS Compliance Statement

This device complies with the RoHS2.0 Directive (2011/65/EU) of the European Parliament and Amendments Commission Delegated Directive (EU) 2015/863.

EU Declaration of Conformity

Mercku Europe GmbH, a fully-owned subsidiary of the Canadian Mercku Inc, with this hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU.
A copy of the EU Declaration of Conformity is available online at https://www.mercku.com/download/user-guide/EU_Declaration_of_Conformity_M2.pdf

Safety Information

Keep the device away from water, fire, humidity or hot environments.
• Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
• Do not use damaged chargers or USB cables to charge the device.
• Do not use any other chargers than those recommended.
• Do not use the device where wireless devices are not allowed.
• Adapter shall be installed near the equipment and shall be easily accessible.
• Only use power supplies which are provided by the manufacturer and in the original packing of this product. If you have any questions, please don't hesitate to contact us.
• For PLUGGABLE EQUIPMENT, the socket-outlet shall be installed near the equipment and shall be easily accessible.
• In the event of danger, repair work, etc., The device must be disconnected from the main voltage, for example, by pulling the plug out of the socket.

Frequency bands and power

European Union
The devices operate in the following frequency bands within the EU:

M2 Wi-Fi router: WLAN: 2412–2472 MHz, 5180–5240 MHz
2400–2483.5 MHz: WLAN (max. 20 dBm),
5150–5250 MHz: WLAN (max. 23 dBm)

BEE node: WLAN: 2412–2472 MHz, 5180–5240 MHz
2400–2483.5 MHz: WLAN (max. 20 dBm),
5150–5250 MHz: WLAN (max. 20 dBm)

Explanation of the symbols on the product label

Symbol	Explanation
	Class II Equipment
	DC voltage
	RECYCLING This product bears the selective sorting symbol for Waste from Electrical and Electronic Equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

Regulatory Certification for Model Numbers M2 and Bee

Country	Certification Number
Australia, New Zealand	
Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom	
Canada	IC: 23877-M2 IC: 23877-BEE
United States	FCC ID: 2APR4-M2 FCC ID: 2APR4-BEE

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