User Guide

AC1200 Whole Home Mesh Wi-Fi System
Deco M4/M4R/E4/E4R/W2400
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About This Guide

This guide provides a brief introduction to Deco Whole Home Mesh Wi-Fi System and the Deco app, as well as regulatory information. Please note that features of Deco may vary slightly depending on the model and software version you have, and on your location, language and internet service provider. All images, parameters and descriptions documented in this guide are used for demonstration only.

Conventions

In this guide, the following conventions are used:

<table>
<thead>
<tr>
<th>Convention</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deco</td>
<td>Stands for Deco Whole Home Mesh Wi-Fi System/Unit.</td>
</tr>
<tr>
<td>Underline</td>
<td>Hyperlinks are in teal and underlined. You can click to redirect to a website or a specific section.</td>
</tr>
<tr>
<td>Teal</td>
<td>Key information appears in teal, including management page text such as menus, items, buttons and so on.</td>
</tr>
<tr>
<td>Note:</td>
<td>Ignoring this type of note might result in a malfunction or damage to the device.</td>
</tr>
<tr>
<td>Tips:</td>
<td>Indicates important information that helps you make better use of your device.</td>
</tr>
</tbody>
</table>

Speed/Coverage/Device Quantity Disclaimer

Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications. Range, coverage, and maximum quantity of connected devices are based on test results under normal usage conditions. Actual wireless data throughput, wireless coverage, and quantity of connected devices are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection quality, and client condition.

MU-MIMO Disclaimer

Use of MU-MIMO requires clients to also support MU-MIMO.

More Info

- Specific product information can be found on the product page at [https://www.tp-link.com](https://www.tp-link.com).
- A Technical Community is provided for you to discuss our products at [https://community.tp-link.com](https://community.tp-link.com).
- Our Technical Support contact information can be found at the Help center of the Deco app and the Contact Technical Support page at [https://www.tp-link.com/support](https://www.tp-link.com/support).
Appearance

Each Deco has an LED that changes color according to its status, two RJ-45 Ethernet ports, a power slot, and a Reset button. See the explanation below:

- **Yellow pulse:**
  Deco is resetting.
- **Yellow solid:**
  Deco is starting up.
- **Blue pulse:**
  Deco is ready for setup.
- **Blue solid:**
  Deco is setting up.
- **White pulse:**
  Deco is upgrading firmware.
- **White solid:**
  Deco is registered and all is well.
- **Red pulse:**
  Deco is disconnected from main Deco.
- **Red solid:**
  Deco has an issue.

**Ethernet Ports:**
For connecting Deco to your modem, the Ethernet outlet or other internet devices.

**Power Slot:**
For connecting Deco to the power socket via the provided power adapter.

**Reset Button:**
Press to reset Deco to factory default settings.
Set Up Your Deco

Follow the steps below to set up your Deco Whole Home Mesh Wi-Fi System.

1. Download and install the Deco app
Scan the QR code below or go to Google Play or the Apple App Store to download the Deco app.
Install the app on your Android or iOS smartphone or tablet.

2. Log in or sign up with TP-Link ID
Open the app. Use your TP-Link ID to log in.
If you don't have a TP-Link ID, tap Sign Up. The Deco app will guide you through the rest.

3. Connect Deco to your modem
Find and power off your modem. Connect your Deco to the modem and power them both on.
If you don't have a modem, connect the Ethernet outlet directly to your Deco.
4. Select a location
Select a location for this Deco. If its location is not listed, you can create a new one by choosing Custom.

5. Create your Wi-Fi network
Set a network name and a password. These will be the name and password you use to connect your devices to Wi-Fi.

6. Add more Decos
You can add more Decos to expand Wi-Fi coverage. The app will guide you through the process of adding more Decos one by one.
Dashboard

After you successfully set up your Deco network, you will see the dashboard of the Deco app. Here you can view the connected devices and their internet speeds, tap the (Internet) icon to check the working status of all Decos, and tap the icon to display more features.

View connected devices

Check the working status of all Decos

Display more features
Wi-Fi Settings

You can change the network name and password of your main network, create a separate network for guests, and shake your device to share the network details easily with family and friends.

Change main network settings

Create a guest network

Shake to share Wi-Fi
Parental Controls

Create profiles for family members and specify the devices that belong to them. Set individualized parental controls including when and for how long each person can access the internet. Block inappropriate content and pause the internet if necessary.

Parental Controls allow you to filter content, limit time spent online and check internet history. Start by creating unique profiles for your family members.

Select filter level

Set time controls
Advanced Features

Additional features are available under the Advanced menu. You can configure and change settings according to your needs.

Advanced features

- IPv4: Dynamic IP
- IPv6: Disabled
- Address Reservation
- Port Forwarding
- TP-Link DDNS: Disabled
- VLAN: Disabled
- Fast Roaming: Disabled
- LED Control
- Notifications: Enabled
- Operating Mode: Router

Change IPv4 settings

WAN

Internet Connection Type
Dynamic IP
IP Address: 192.168.10.1
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.10.1
Primary DNS: 192.168.10.1
Secondary DNS

Change IPv6 settings

WAN

IPv6 Connection Type
Dynamic IP
IP Address: 0:200:FFFF:FEFF:10F0/64
Primary DNS
Secondary DNS
LAN

Address Prefix
IP Address
0:200:FFFF:FEFF:10F0/64
Reserve IP addresses for specific devices

Set up port forwarding rules

Register a TP-Link DDNS domain name
Change VLAN settings

Enable fast roaming for wireless devices

Control the LED on Deco
Turn on/off notifications

Notifications

Notifications are enabled. You’ll receive alerts in the Notifications bar. Disable it on your device’s Settings > Notifications page.

Firmware Updates

New Device Detected

Monthly Reports

Change the operating mode

Operating Mode

Router (Default)

In router mode, Deco connects to the internet directly via Dynamic IP, Static IP or PPPoE, and shares internet access to multiple wired or wireless devices. NAT and DHCP server are enabled by default.

Access Point

In access point mode, Deco connects to a wired or wireless router via an Ethernet cable and extends the wireless coverage of your existing network. Functions like NAT, Parental Controls and QoS are not supported in this mode.
Update Decos

TP-Link is dedicated to improving product features and providing a better customer experience. Update Deco when prompted in the Deco app.
Managers

Add friends and family members to help manage your Deco network. Each manager should have their own TP-Link ID.

Managers

Add a manager

Manager list
Authentication

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FCC Compliance Information Statement

Product Name: AC1200 Whole Home Mesh Wi-Fi System
Model Number: Deco M4/M4R/E4/E4R/W2400

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.T.E POWER SUPPLY</td>
<td>T120120-2B4 (for Deco M4/M4R)</td>
</tr>
<tr>
<td></td>
<td>T120100-2B1 (for Deco E4/E4R/W2400)</td>
</tr>
</tbody>
</table>

Responsible party:
TP-Link USA Corporation, d/b/a TP-Link North America, Inc.
Address: 145 South State College Blvd. Suite 400, Brea, CA 92821
Website: http://www.tp-link.com/us/
Tel: +1 626 333 0234
Fax: +1 909 527 6803
E-mail: sales.usa@tp-link.com

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.

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.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user’s authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

“T o comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.”

FCC Compliance Information Statement

Product Name: I.T.E POWER SUPPLY
Model Number: 
T120120-2B4 (for Deco M4/M4R)
T120100-2B1 (for Deco E4/E4R/W2400)

Responsible party:
TP-Link USA Corporation, d/b/a TP-Link North America, Inc.
Address: 145 South State College Blvd. Suite 400, Brea, CA 92821
Website: http://www.tp-link.com/us/
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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.
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• Consult the dealer or an experienced radio/ TV technician for help.

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, TP-Link USA Corporation, has 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.

Issue Date: 2019-10-21
CE Mark Warning

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

OPERATING FREQUENCY (the maximum transmitted power)

- 2412MHz—2483.5MHz (20dBm)
- 5150MHz—5250MHz (23dBm)

EU declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC and 2011/65/EU. The original EU declaration of conformity may be found at http://www.tp-link.com/en/ce

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The device complies with RF specifications when the device used at 20 cm from your body.

Attention: This device may only be used indoors in all EU member states and EFTA countries.

Canadian Compliance Statement

This device complies with Industry Canada license-exempt RSS standard(s). 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1. l’appareil ne doit pas produire de brouillage;
2. l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

<table>
<thead>
<tr>
<th>Antenna</th>
<th>2* 5GHz 1dBi internal antennas</th>
<th>2* 2.4GHz 1.5dBi internal antennas</th>
</tr>
</thead>
</table>

**Caution:**
1. The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
2. For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and

The high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

**Avertissement:**
1. Le dispositif fonctionnant dans la bande 5150–5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
2. Le gain maximal d’antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l'exploitation point à point et non point à point, selon le cas.

En outre, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu’ils ont la priorité) pour les bandes 5745-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.
Radiation Exposure Statement:
This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:
Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Industry Canada Statement
CAN ICES-3 (B)/NMB-3(B)

Korea Warning Statements:
당해 무선설비는 운용중 전파혼신 가능성이 있음.

NCC Notice & BSMI Notice:
注意！
依據 低功率電波輻射性電機管理辦法
第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性或功能。
第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信規定作業之無線電信。低功率射頻電機需忍受合法通信或工業、科學以及醫療用電波輻射性電機設備之干擾。
4.7.9.1應避免影響附近雷達系統之操作。
4.7.9.2高增益指向性天線只得應用於固定式點對點系統。
安全諮詢及注意事項
• 請使用原裝電源供應器或只能按照本產品注明的電源類型使用本產品。
• 清潔本產品之前請先拔掉電源線。請勿使用液體、噴霧清潔劑或濕布進行清潔。
• 注意防潮，請勿將水或其他液體潑灑到本產品上。
• 插槽與開口供通風使用，以確保本產品的操作可靠並防止過熱，請勿堵塞或覆蓋開口。
• 請勿將本產品置於靠近熱源的地方。除非有正常的通風，否則不可放在密閉位置中。
Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device.
- Do not use damaged charger or USB cable 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.
• Use only power supplies which are provided by manufacturer and in the original packing of this product. If you have any questions, please don't hesitate to contact us.

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

Explanation of the symbols on the product label

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="DC voltage" /></td>
<td>DC voltage</td>
</tr>
<tr>
<td><img src="image" alt="Indoor use only" /></td>
<td>Indoor use only</td>
</tr>
<tr>
<td><img src="image" alt="RECYCLING" /></td>
<td>This product bears the selective sorting symbol for Waste 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.</td>
</tr>
</tbody>
</table>