



For the latest online
manual, please scan the
QR Code or visit:
inov.li/vtm36

VTM36 **Instructions**

Next Gen Smart Lighting

We're excited to have you with us on this journey, and we're here for you every step of the way. Not only are we smart home enthusiasts ourselves, but we also build our products with the input of thousands of passionate community members. To see how this project came to life and how everyone contributed, please refer to page 42 or visit: inov.li/tmcheryl. It's truly inspiring to work with people from all walks of life and humbling to witness their dedication to creating the best smart home products.

Thank you for trusting us, and welcome to the next generation of smart lighting with Inovelli.

Eric H. - Founder/CEO

Eric M. - Founder/CTO

Handwritten signatures of Eric H. and Eric M. in white ink on a dark background. Eric H.'s signature is a stylized 'E' followed by 'H.', and Eric M.'s signature is a stylized 'E' followed by 'M.'.

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Navigating this Manual

We designed this manual as if we were installing the module ourselves. We suggest reviewing the entire manual before beginning the installation process. This manual covers four areas:

1. Getting to know your module
2. Wiring and Installation
3. Configuring your module
4. Connecting to your hub/gateway

As we continue working with hub manufacturers and improving our products, we may periodically update this manual. You can always find the latest version by visiting: inov.li/vtm36

Quick Setup.

Quick Setup Notes

We get it—you're ready to go. No need to flip through the manual; you want the abridged version. This section assumes your module is wired correctly, the blue LED is on.

It also assumes you know how to enter Thread/Matter pairing mode on your hub/gateway and that you have a Thread/Matter-compatible hub/gateway.

To check compatible hubs, please visit: inov.li/vtm36hubs

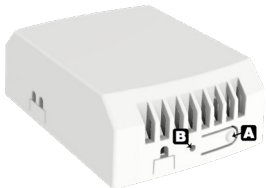
While these instructions likely won't change, for the latest updates, we recommend scanning the QR code to the right or visiting: inov.li/vtm36QS



Pairing / Resetting Your Module

Pairing: We suggest pairing your module before putting your ceiling fan back together and closing off the module. When first powered up, the LED Indicator (B) should light up solid blue. When you're ready, you may start the Thread/Matter pairing process on your hub at any time. Once pairing is initiated from your hub, the LED Indicator will start pulsing blue. When pairing is successful, the LED Indicator (B) will flash green three (3) times.

If pairing is unsuccessful, hold down the Pairing Button (A) for approximately 20 seconds until the LED Indicator (B) flashes red, then release. Then restart the pairing process outlined above.

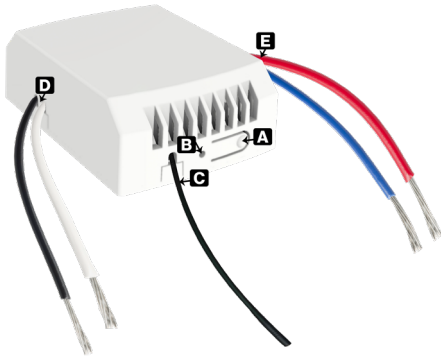


Understanding Your Module

Please use the next couple of pages familiarize yourself with your smart module.

- A. Pairing Button:** Used to pair your module with your Thread/Matter Hub/Border Router or to perform a factory reset.
- B. LED Indicator:** Displays various module statuses (e.g., successful or unsuccessful pairing, module removal status).
- C. Thread Antenna:** Enables communication with your Thread/Matter-compatible hub. Ensure this is not obstructed by any thing within the canopy.
- D. Line & Neutral Wires:** The black wire is the line/load wire (powers the device), and the white wire is the neutral wire.

E. Fan & Light Wires: The red wire connects to the fan motor, while the blue wire connects to the light.



Quick Tap Sequences

Please follow these directions below *after* the module is wired and powered, but **BEFORE REASSEMBLING YOUR CEILING FAN**. You may skip this step if you are using SmartThings, Home Assistant or Hubitat.

For a visual, please see: inov.li/vtm36QTSV

	Mode	Sequence	LED Color
Light	On/Off (DEFAULT)	Hold Pairing Button for 5 seconds (until Yellow), then tap Pairing Button 3x	Red
	Dimmer	Hold Pairing Button for 5 seconds (until Yellow), then tap Pairing Button 5x	Orange
Fan	On/Off	Hold Pairing Button for 5 seconds (until Yellow), then tap Pairing Button 7x	Red
	Speed Control (DEFAULT)	Hold Pairing Button for 5 seconds (until Yellow), then tap Pairing Button 9x	Orange

Step 1 - Wiring & Installation.

Wiring Notes

The first step in the installation process is wiring your module. Due to the variety of wiring options, all schematics are available online. You can access them by scanning the QR code at the bottom right or by visiting: inov.li/vtm36wiring.

To work through this section, please first review the warnings, then familiarize yourself with the terminology, and proceed to wiring and installing the module.

Finally, do not attempt to install these modules if you are unfamiliar with electrical work, as serious injury may occur.



Safety Reminder

Consult a qualified electrician if necessary as **we are unable to give wiring advice outside of schematics.**

If you are unsure how electrical circuits work, please do not try installing this device. As exciting as it is to have a smart module installed, it can be dangerous and even life-threatening if you do not install it correctly. Improper installation will void the product's warranty.

Please read through the warnings on the next few pages before installing your module. We can't stress enough how dangerous installation can be if you don't know what you're doing.

Warnings

Caution - Please Read: This device (VTM36) is intended for installation in accordance with the National Electric Code and local regulations in the United States, or the Canadian Electrical Code and local regulations in Canada. If you are unsure or uncomfortable about performing this installation consult a qualified electrician. This product is made for indoor use only and is not designed or approved for use on power lines other than 120VAC, 60Hz, single phase. Attempting to use this VTM36 on non-approved power lines may have hazardous consequences.

Attention – Information importante: Cet appareil (VTM36) est conçu pour être installé conformément au « National Electric Code » et aux réglementations locales aux

États-Unis, ou au Code canadien de l'électricité et aux réglementations locales canadiennes. Si vous ne vous sentez pas à l'aise ou qualifiés pour effectuer cette installation, veuillez consulter un électricien qualifié. Ce produit est conçu pour une utilisation intérieure uniquement et n'est pas conçu ou approuvé pour une utilisation avec une ligne électrique ayant un voltage autre que 120 VCA, 60 Hz, monophasé. L'utilisation du VZM36 avec une ligne électrique non approuvée peut avoir des résultats dangereux.

Other Warnings: Risk of Fire, Electrical Shock & Burns

Autres avertissements: Risque d'incendie, de choc électrique et de brûlures

Warnings (Continued)

Recommended Installation Practices: Use only indoors or in an outdoor rated box. Turn off the circuit breaker. Installing this module with the power on will expose you to dangerous voltages. Connect only copper or copper-clad wire to the module.

To reduce the risk of overheating and possible damage to other equipment, use the VTM36 load outputs (red & blue wires) to control no more than indicated on Page 40.

Medical Equipment: Please do not use this module to control medical or life-sustaining equipment. Thread/Matter devices should never be used to control the on or off of medical and/or life-sustaining equipment.

To install your Fan Module (VTM36), you'll need to identify the following four wires:

- **Line:** Usually black and can also be called the, "hot" or "live" and carries 120VAC electricity into the electrical box
- **Neutral:** Usually white and is commonly daisy chained from box to box, usually appearing as a white wire bundle.
- **Fan (Motor):** Usually red and will come from your fan
- **Fan (Light):** Usually blue and will come from your fan
- **Ground:** Bare copper wire or metal fixture (if grounded)

If you are having difficulties identifying wires, please consult an electrician.

Warnings (Continued)

Pratiques d'installation recommandées : Utiliser uniquement à l'intérieur ou dans une boîte extérieure. Éteignez le disjoncteur. Installer ce module sous tension vous exposera à des tensions dangereuses. Connectez uniquement du fil de cuivre ou recouvert de cuivre au module.

Pour réduire le risque de surchauffe et de dommages possibles à d'autres équipements, utilisez les sorties de charge du VTM36 (fils rouge et bleu) pour contrôler pas plus que ce qui est indiqué à la page 40.

Équipement médical: Veuillez ne pas utiliser cet interrupteur pour contrôler de l'équipement médical ou nécessaire à la survie. Les appareils Thread/Matter ne doivent jamais être utilisés pour contrôler la marche or l'arrêt d'équipement médical et/ou

nécessaires à la survie. Pour installer votre module de ventilateur (VTM36), vous devrez identifier les quatre fils suivants :

- **Ligne** : généralement noire et peut également être appelée « chaud » ou « sous tension » et transporte l'électricité 120 VCA dans le boîtier électrique
- **Neutre** : généralement blanc et est généralement connecté en série d'une boîte à l'autre, apparaissant généralement sous la forme d'un faisceau de fils blancs.
- **Ventilateur (moteur)** : généralement rouge et viendra de votre ventilateur
- **Ventilateur (lumière)** : généralement bleu et viendra de votre ventilateur
- **Terre** : Fil de cuivre nu ou luminaire métallique (si mis à la terre)

Module Installation

Once wired, install the module by sliding it between the gang box and the metal bracket of your ceiling fan, as shown in the picture below. Ensure the antenna remains free within the canopy—it will be covered by the canopy but should not be tangled with other wires.



Step 2 - Programming.

Programming Notes

You may skip this part if you have the following hubs: SmartThings, Hubitat, and Home Assistant. If you are using Apple, Google or Amazon, you must complete this step **BEFORE YOU REASSEMBLE YOUR FAN.**

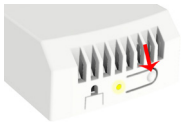
You may also skip this step if you only plan on using your fan's light as an on/off light or if you only want your fan to turn on and off. If your light supports dimming and you want to be able to dim your light, or you do not want speed control of your fan's motor, you must complete this step (again, **BEFORE YOU REASSEMBLE YOUR FAN**).

The following pages will walk you through how to program your module. For a visual, please visit: inov.li/vtm36PV or scan the QR Code.

On/Off to Dimmer - Lights

By default, the module is set to On/Off mode for fan lights to ensure safety, as not all fan lights are dimmable. If your fan light supports dimming and you'd like the module to dim your lights, please follow the instructions below. Please do this **BEFORE YOU REASSEMBLE YOUR FAN.**

- Hold down on the pairing button (shown by the red arrow in the picture to the right) for 5 seconds until the LED turns yellow, then let go.
- Tap the pairing button 5 times and then stop. The LED should blink orange 3 times indicating the module is in dimming mode.



Other Configuration Options

You shouldn't have to change any of the other configuration options outside of the lighting as the module is set to control a ceiling fan's speed by default, but the below options are here for reference.

	Mode	Sequence	LED Color
Light	On/Off (DEFAULT)	Hold Pairing Button for 5 seconds (until Yellow), then tap Pairing Button 3x	Red
	Dimmer	Hold Pairing Button for 5 seconds (until Yellow), then tap Pairing Button 5x	Orange
Fan	On/Off	Hold Pairing Button for 5 seconds (until Yellow), then tap Pairing Button 7x	Red
	Speed Control (DEFAULT)	Hold Pairing Button for 5 seconds (until Yellow), then tap Pairing Button 9x	Orange

Step 3 - Hub/Gateway Setup.

Hub/Gateway Setup Notes

As manufacturers update their hub/gateway platforms, the setup process may change. We recommend checking our website for the latest directions, by scanning the relvant QR code.

If you don't see your hub, please go to: inov.li/vtm360T

**Amazon
Alexa**



[inov.li/
vtm36AA](https://inov.li/vtm36AA)

**Apple
Home**



[inov.li/
vtm36AH](https://inov.li/vtm36AH)

**Google
Home**



[inov.li/
vtm36GH](https://inov.li/vtm36GH)

**Home
Assistant**



[inov.li/
vtm36HA](https://inov.li/vtm36HA)

**Samsung
SmartThings**



[inov.li/
vtm36ST](https://inov.li/vtm36ST)

Amazon Alexa

COMPATIBLE HUBS: Any Thread enabled Amazon product will work. To see a full list, please go to: inov.li/vtm36AAC. If you run into issues pairing, please perform a factory reset located on page 32.

- Open up your Amazon Alexa App and click "+" at the top right
- On the, "Add" menu that pops up, click on, "Device" and then, "Switch"
- Scroll to the bottom where it says, "Other" and click on it
- Where it says, "Which logo is on your device", click, "Matter"
- On the page, "Does your device have a Matter logo", click, "Yes"
- On the page, "Is your device powered on?", click, "Yes"
- Click on, "Scan QR Code" and then scan the QR Code on the bottom of the module (or back of the box) - LED will pulse blue
- If successful, the LED will flash green and Amazon should then add the module to your account

Apple Home

COMPATIBLE HUBS: Any Thread enabled Apple product will work. To see a full list, please go to: inov.li/vtm36AHC. For more info, please go to: inov.li/vtm36AHPreqs). If you run into issues pairing, please perform a factory reset located on page 32.

- Open up your Apple Home App and click "+" at the top right
- In the drop-down, select, "Add Accessory"
- Scan the QR Code located at the bottom of the module (or the back of the box) - your module should start pulsing blue
- Click on, "Add to Home" and Apple will start to add the device
- If successful, the LED will flash green
- Add your device to the location of your choosing and click, "Continue" -- feel free to rename your device
- Your module should be added to your home -- click, "Done"

Google Home

COMPATIBLE HUBS: Any Thread enabled Google product will work. To see a full list, please go to: inov.li/vtm36GHC. For more info, please go to: inov.li/vtm36GHPreqs). If you run into issues pairing, please perform a factory reset located on page 32.

- Open the Google Home app and click on the devices icon
- Tap on the (+ Add) button and click, "Matter-enabled device"
- Scan the QR Code located at the bottom of the module (or back of the box) - your module should start pulsing blue
- If pairing is successful, the LED will flash green and Google Home should then add your module to the network

Home Assistant

COMPATIBLE HUBS: Any Thread enabled border router will work. To see a full list, please go to: inov.li/vtm36TMBR. For more info, please go to: inov.li/vtm36HEPrereqs). If you run into issues pairing, please perform a factory reset located on page 32.

- In your Home Assistant instance, choose, "Settings" and then, "Devices & Services"
- Click the, "Devices" tab
- Click on, "+ Add Device" and then choose, "Add Matter Device"
- On the, "Add Matter Device" screen, click, "No. It's New"
- Scan the QR Code located on the bottom of your module (or back of the box) - your module should start pulsing blue
- Follow the on-screen instructions to finish adding the module
- If successful, the LED will flash green and Home Assistant will add the device

SmartThings

COMPATIBLE HUBS: Any Thread and SmartThings enabled hub will work. To see a full list, please go to: inov.li/vtm36STC. For more info, please go to: inov.li/vtm36STPrereqs). Please note for full functionality, you will need to install the Inovelli SmartThings driver. Instructions can be found on the setup page: inov.li/vtm36ST. If you run into issues pairing, please perform a factory reset located on page 32.

- Open the SmartThings app and click on the devices icon
- Tap on the (+) button at the top and select, "Add Device"
- Click on, "Scan the QR Code" located at the bottom
- Scan the QR Code located on the bottom of your module (or back of the box) - your module should start pulsing blue
- If successful, the LED will flash green and SmartThings should add your device

Resetting Your Module

To reset your module, please follow the directions below:

- Start by cutting power to the canopy module (this can be done by either turning off the circuit breaker or by pulling the air-gap on your Inovelli switch if the module is connected to it)
- Turn the canopy module power back on for 2 seconds, then power off again for 2 seconds
- Repeat this pattern six (5) times
- To confirm the module has been reset, the Fan's light should flash

Alternatively, if you still have access to your module, you can hold down on the Pairing Button (A) for 20 seconds until the LED Indicator (B) turns Red.

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Product & Contact Info.

Product & Contact Info Notes

As mentioned in the beginning of the manual, we're all smart home owners ourselves and have an amazing community of people who are eager to help and share their setups.

If you ever run into any issues, please do not hesitate to submit a ticket, or post in the community. We'd love to hear from you.

Community Link: inov.li/community

Submit a Ticket: inov.li/support (or scan the QR Code below)

Thanks again for your support and we look forward to helping you get the most out of our smart home!



FCC/IC Statements

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. 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, and (2) this device must accept any interference received including interference that may cause undesired operation.

NOTE: 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

FCC/IC Statements (Cont.)

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 or consult the dealer or an experienced radio/TV technician for help. This equipment should be installed and operated with minimum distance 8in (20cm) between the radiator and your body.

IC Caution: This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(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.

DECLARATION DE CONFORMITE D'INDUSTRIE CANADA: L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Product Info

Name: Smart Fan/Light Module

SKU #: VTM36

Power: 120V AC, 60Hz

Signal (Frequency): 2.4GHz

Operating Temperature Range: 32-95° F (0-35° C)

Maximum Load (Fan): 1.2 Amps - No more than two identical fans to the module. Not to exceed 1.2A resistive load. AC Motors Only.

Maximum Load (Light): 300 Watts Incandescent, 150 Watts LED, and 100 Watts CFL

Range: Up to 100 meters line of sight between the Wireless Controller (HUB) and the closest Thread/Matter Repeater.

Certifications: ETL Listed, FCC/IC, Thread & Matter Certified

For indoor use. Specifications subject to change without notice due to continuing product improvement.

Company Info / Warranty

If you run into any issues, feel free to reach out to us at: contact@inovelli.com. We typically answer tickets within 24-48 hours and are staffed by actual smart home owners.

All Inovelli products come with a one (1) year warranty (defined as 365 days). This warranty protects you from breakdowns in the material or workmanship under normal use. This warranty is limited in a couple areas. Purchases must be made from Inovelli or an authorized reseller. The product should be used in the manner directed in the instructions. The product must only be used and/or installed in the United States or Canada.

For full warranty info, please visit: inov.li/warranty

Project Cheryl

The purpose of this project is to bring back our second most popular product which was the fan/light module. To this day, it's our #2 most searched for product on our site.

The name Cheryl was chosen to dedicate this to Eric H's mom, who passed away in 2019 from cancer. She was an incredible person who instilled her solid work ethic and a stubbornness to never give up.

In addition, the project's name is Cheryl because the goal is to have this pair directly to our button controller, which is named project Walt (after Eric H's dad who passed away in 2023) so they can always be paired together in homes as they are in heaven. To see the origin of this project, as well as the journey scan the code or visit:

inov.li/tmcheryl



George Butler Jacob
Eric Cunningham Kim Burdett 莫伟权
Don James C. Leek
Kyle 唐忠清
王宇坤 Rachel Travis
Hamelin

Thank You.

inokenti®