Instructions

Next Gen Smart Lighting

We're excited to have you on this journey with us and we're here for you every step of the way. Not only are we smart home owners ourselves, but we build all of our products alongside 1,000's of passionate community members. To see how the project came to life and how everyone contributed, please see Page 34 or visit: inov.li/goldenrule. It's truly amazing working with people of all walks of life and even more humbling to see everyone's dedication to making some of the best smart home products.

Thank you so much for your trust in us and welcome to the next generation of smart lighting with Inovelli.

Eric H. - Founder/CEO
Eric M. - Founder/CTO

Table of Contents

Scan for the most recent instructions or visit: inov.li/aux01

Navigating this Manual

We designed this manual as if we were installing the switch ourselves. We suggest reviewing the full manual before beginning the installation process. There are three areas this manual covers:

1. Getting to know your switch
2. Figuring out your wiring
3. Configuring your switch (connecting to your smart switch)

As we continue to work with hub manufacturers, and improve our products. It may be necessary to periodically update this manual. You can always find the latest version of this manual by visiting: inov.li/aux01

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 should be easy as this is not a smart switch, but rather an add-on switch that compliments your Inovelli smart switch (sold separately).

Once you have your switches (smart and aux) wired properly, please follow the quick tap instructions to setup your Inovelli smart switch to properly acknowledge this switch. In other words, you will program a separately purchased smart switch to allow this aux switch to mimic its behavior (ie: on/off, dimming, etc).

While these instructions likely won't change, for the most up-to-date instructions, we recommend scanning the QR code to the right or to visit: inov.li/aux01QS

Configuring Your Aux Switch

When we say, "configuring your aux switch", we actually mean that you'll need to configure the Inovelli smart switch that your aux switch is wired to. Please follow the instructions on in the tables below or see pages 23-26.

NOTE: The directions shown below are changed at the smart switch (not aux switch) and the confirmation section is the color the LED bar (on the smart switch) will turn/blink if successful.

Smart Switch	Directions (Change at Smart Switch)	Confirmation
Red Series Dimmer	See page 25	N/A
Blue Series 2-1	Hold on ↑ paddle, tap config 5x, release	White

Getting to Know Your Switch

Please use the next couple pages to get to know your aux switch. Your aux switch will mimic whatever smart switch it's connected to (ie: if the aux switch is connected to an on/off switch, it will be an on/off switch, if a dimmer, then it will be a dimmer, etc).

A. Light On / Increase Dim % Level: Tap 1x to turn on your light or hold to increase the brightness level (dim percentage). In addition, it can be used to activate scene control (multi-taps and holds) on Blue Series switches*.

B. Light Off / Decrease Dim % Level: Tap 1x to turn off your light or hold to decrease the brightness level (dim percentage). In addition, it can be used to activate scene control (multi-taps and holds) on Blue Series switches*.

C. Config / Favorites Button: This button can be used to activate scene control (multi-taps and holds) on Blue Series switches*.

D. Air Gap: This is for cosmetic purposes only (to match the aesthetics of our Red and Blue Series switches) and is non functional.
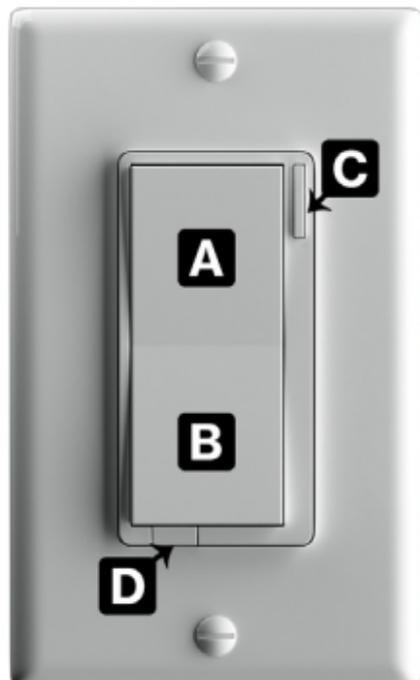
* Hub must support these features.

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Wiring Notes

Due to the number of ways these switches can be wired, all schematics are housed online and you can access the schematics by scanning the QR Code at the bottom right, or by visiting: inov.li/aux01wiring

Since these switches are not smart switches, they are meant to be wired directly to an Inovelli smart switch. Because of this, we recommend deferring to the schematics shown in manuals of your Inovelli smart switches to which we'll direct you to on the following pages.

Finally, please do not attempt to install these switches if you are unfamiliar with electrical as serious injury can 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 new switch 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 switch. We can't stress enough how dangerous installation can be if you don't know what you're doing.

THIS SWITCH IS NOT MEANT FOR STAND-ALONE USE TO CONTROL AN ELECTRICAL LOAD. PLEASE USE YOUR SMART SWITCH (SOLD SEPARATELY).

Warnings

Caution - Please Read: This device (AUX01) 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 AUX01 on non-approved power lines may have hazardous consequences.

Attention – Information importante: Cet appareil (AUX01) 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 consultez 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 AUX01 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 switch and module with the power on will expose you to dangerous voltages. Connect only copper or copper-clad wire to the switch or module.

To reduce the risk of overheating and possible damage to other equipment, use the AUX01 load output to control no more than indicated.

- 600 Watts (Incandescent)
- 300 Watts (LED)
- 150 Watts (CFL)

Dimming an inductive load (by connecting to the light load wire), such as a fan or transformer, could cause damage to the dimmer, the load bearing device, or both.

To install your Aux Switch (AUX01), you'll need to identify the following five 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.
- **Load:** Usually black, blue or red
- **Traveler:** Usually red
- **Ground:** Bare copper wire or metal fixture (if grounded)

NOTE: While you will only use two wires (outside of ground), it's important to understand all off the above as they may be in the gang-box.

Warnings (Continued)

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

Pratiques d'installation recommandées: Utiliser uniquement à l'intérieur ou à l'extérieur dans une boîte adaptée aux conditions extérieures. Éteignez le disjoncteur. L'installation de cet interrupteur et de ce module alors que le courant est allumé vous exposera à des tensions dangereuses. Connectez uniquement un fil de cuivre ou gainé de cuivre au commutateur ou au module.

Pour réduire le risque de surchauffe et d'endommager d'autres équipements, il est important de connecter des lumières incandescentes ayant moins de 600 watts, des lumières DEL ayant moins de 300 watts, des ampoules fluocompactes ayant moins de 150

watts ou un ventilateur utilisant moins de 1 ampère et ce dernier avec l'interrupteur en mode marche/arrêt uniquement.

La gradation d'une charge inductive, comme un ventilateur ou un transformateur, pourrait endommager le gradateur, l'interrupteur ou les deux appareils. Veuillez régler l'interrupteur en mode marche/arrêt si vous utilisez un ventilateur.

Pour installer votre interrupteur aux (AUX01), vous devrez identifier les quatre fils suivants (REMARQUE: le neutre est optionnel, mais recommandé) :

- **Ligne:** généralement noire et peut également être appelée « chaud » ou « sous tension » et transporte l'électricité 120 VCA

Warnings (Continued)

dans le boîtier électrique

- **Neutre:** habituellement blanc et connecté en série d'une boîte à l'autre, les fils sont habituellement attachés ensemble dans la boîte électrique
- **Charge:** habituellement noire, bleue ou rouge
- **Mise à terre:** fil de cuivre nu ou boîtier métallique (si celui-ci est mis à la terre)Si vous rencontrez des difficultés à identifier les fils, veuillez consulter un électricien.

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

Schematic Locations

Please select the Inovelli smart switch you are wiring to this aux switch to find the correct schematic location. Schematics are housed online due to the many different variations.

- **Blue Series Smart 2-1 Switch (VZM31-SN):** inov.li/vzm31snaux
- **Red Series Smart Dimmer Switch (LZW31-SN):** inov.li/lzw31snaux
- **Red Series Smart On/Off Switch (LZW30-SN):** inov.li/lzw30snaux

For the discontinued Black Series Dimmer, please follow the above Red Series Dimmer link (same for the Black Series On/Off).

This aux switch is not compatible with the Red Series Fan/Light nor our Gen 1 switches (ie: NZW30/30-SN, NZW31/31-SN).

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Configuration.

Configuring Your Multi-Way

As mentioned, this is not a smart switch, but rather an add-on (aux) switch that allows your Inovelli smart switch to work in a multi-way (3-Way, 4-Way, 5-Way, etc) setup.

In some cases, in order for your multi-way setup to function properly, you will need to program your Inovelli smart switch to recognize that it is wired to an add-on (aux) switch such as this one.

Depending on the model of your Inovelli smart switch, the configuration process may be different.

Please see the next couple pages to program your Inovelli smart switch. Or feel free to scan the QR Code to the right or visit: inov.li/aux01config

Aux to Red Series

If you are connecting this add-on (aux) to a Red Series switch, please follow the instructions below. NOTE: This process is easier to do in the corresponding app (ie: SmartThings, Hubitat, etc).

Dimmer Switch (LZW31-SN)
Hold down on the config button for 10-15s until the LED bar turns yellow and release. Then tap the config button 13x (LED Bar will long blink 1x and short blink 3x). Tap on the up paddle 2x (LED Bar will blink 2x) and then hold the config again for 10-15s (LED Bar will flash cyan).

NOTE: If you have the Red Series On/Off, the switch will auto-detect the aux, so no configuration is needed. The Fan/Light switch does not support an aux switch.

Aux to Blue Series

If you are connecting this add-on (aux) to a Blue Series switch, please follow the instructions below.

2-1 Switch (VZM31-SN)
Hold down on up paddle while pressing the config button 5x and then release both. The LED Bar should then turn/flash white. For a video demonstration, please see:
inov.li/vzm31snSCVid

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
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 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.

DECLARATION DE CONFORMITE D'INDUSTRIE CANADA: Ce périphérique a été testé et reconnu conforme aux limites spécifiées dans RSS-210. Son utilisation est soumise aux deux conditions suivantes: (1) il ne doit pas provoquer d'interférences gênantes et (2) il doit tolérer les interférences, notamment celles susceptibles d'en perturber le fonctionnement.

Product Info

Name: Add-On (Aux) Switch
SKU #: AUX01
Power: 120V AC, 60Hz
Operating Temperature Range: 32-95° F (0-35° C)
Maximum Load (Watts): 600W Incandescent, 300W LED, 150W CFL
Certifications: UL Listed (#E528330)

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 Golden Rule

In 2019, we launched our 2nd Generation of smart switches which gave them the ability to work with either a dumb switch or an add-on (aux) switch in a multi-switch setting.

The dilemma became that we did not have an add-on (aux) switch and had to direct customers to our competition. With the help of 1000's of community members, we've finally brought this aux switch to life.

The, "Golden Rule" means to treat others as you want to be treated and similarly, this aux switch mimics the smart switch it's wired to, hence where the project got its name.

To see the origin of this project, as well as the journey scan the code or visit: inov.li/goldenrule

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Thank You.