MIDDLE ATLANTIC

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NEXSYS™

Select Series PDU with RackLink

User Manual

I-00768 Rev F

22 PAP

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Contents

IMPORTANT SAFETY INSTRUCTIONS - EN

SAVE THESE INSTRUCTIONS - This manual contains important instructions that should be followed during installation and maintenance of the product.

- Only use attachments and accessories specified by the manufacturer.
- Read all instructions before using the product.

Understanding Safety Symbols

 **DANGER HAZARDOUS VOLTAGE**	The lightning flash with the arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
 **WARNING**	A warning alerts you to a situation that could result in serious personal injury or death.
 **CAUTION**	A caution alerts you to a situation that may result in minor personal injury or damage to the product and/or property.
 **NOTE**	A note is used to highlight procedures pertaining to the installation, operation, or maintenance of the product.
 **REMINDER**	A reminder marks information which may be of importance to you for recalling in context and/or later use.
 **TIP**	A tip helps users apply techniques and procedures for their specific needs. The information suggests alternative methods that may not be obvious and help users understand the benefits and capabilities of the product. A tip is not essential to the basic understanding of the material.

 **DANGER HAZARDOUS VOLTAGE**	To reduce the risk of electrical shock, always unplug this device from the electrical outlet before cleaning.
 **WARNING**	Failure to read, understand and follow the following information can result in serious personal injury, damage to the equipment or voiding of the warranty. It is the responsibility of the Installer/User to ensure that this product is loaded according to specifications.

WARNING

Risk of Electric Shock: Connect the device to a properly grounded outlet only. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

WARNING

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

WARNING

To reduce the risk of burns, fire, electric shock, or injury to persons:

- Unplug from outlet before putting on or taking off parts.
- Close supervision is necessary when this device is used by, or near children, invalids, or disabled persons.
- Use this device only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.
- Never operate the device if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the device to a service center for examination and repair.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Keep the cord away from heated surfaces.
- Never drop or insert any object into any opening.
- Do not use outdoors.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- To disconnect, turn all controls to the off position (on applicable products), then remove plug from outlet.

CAUTION

All electrical installation must be done according to national and local electrical code.

Safety Instructions: Rack Mount

Elevated Operating Ambient: If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.

Reduced Air Flow: Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

Mechanical Loading: Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

Circuit Overloading: Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuit might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

Reliable Earthing: Reliable earthing of rack-mounting equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

Disconnect Device (Pluggable Equipment): The socket-outlet shall be installed near the equipment and shall be easily accessible.

When using electrical products, basic precautions should always be followed, including the following:

- Read and follow all instructions before using.
- There are no user-serviceable components within this device. Removal of the cover from this device may present a shock hazard, and void the warranty.
- The mains plug is used as your disconnect device. This device shall remain readily operable.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Do not overload the wall outlet where this device is being connected. Do not overload this device. Ensure the total load to this device does not exceed that which is listed in the specifications section of this manual.
- Ensure this device is connected to a properly grounded AC power source. Ensure the device is plugged into a source providing the required 120V. Do not use a plug adapter that defeats the ground pin of the AC plug.

INSTRUCTIONS IMPORTANTES SUR LA SÉCURITÉ - FR

CONSERVER CES INSTRUCTIONS - Ce manuel contient des instructions importantes qui doivent être suivies lors de l’installation et de la maintenance de l’onduleur et des batteries.

- Utiliser uniquement les accessoires spécifiés par le fabricant.
- Lisez toutes les instructions avant d’utiliser le produit.

Comprendre Les Symboles De Sécurité

	**DANGER TENSION DANGEREUSE**	Le symbole de la pointe de flèche, dans un triangle équilatéral, est destiné à alerter l'utilisateur sur la présence de tension dangereuse non isolée dans l'enceinte du produit qui peut être d'une ampleur suffisante pour constituer un risque d'électrocution.
	**AVERTISSEMENT**	Un avertissement vous avertit d'une situation pouvant entraîner des blessures graves ou la mort.
	**ATTENTION**	Une attention vous avertit d'une situation pouvant entraîner des blessures mineures ou des dommages au produit et/ou à la propriété.

REMARQUE Une remarque est utilisée pour mettre en évidence les procédures relatives à l'installation, au fonctionnement ou à l'entretien du produit.

RAPPEL Un rappel indique quelles informations peuvent être importantes pour vous pour le contexte et/ou l'utilisation ultérieure.

CONSEIL Un conseil aide les utilisateurs à appliquer des techniques et des procédures pour leurs besoins spécifiques. Les informations suggèrent des méthodes alternatives qui peuvent ne pas être évidentes et aider les utilisateurs à comprendre les avantages et les capacités du produit. Une astuce n'est pas essentielle à la compréhension de base du matériel.

DANGER TENSION DANGEREUSE Pour réduire le risque de choc électrique: Toujours débrancher le meuble de la prise électrique avant de le nettoyer.

AVERTISSEMENT Ne pas lire, comprendre et suivre les informations suivantes peut entraîner des blessures graves, des dommages à l'équipement ou de la nullité de la garantie. Il incombe à l'installateur/utilisateur de s'assurer que ce produit est chargé conformément aux spécifications.

AVERTISSEMENT Risque de choc électrique: Brancher le meuble uniquement à une prise correctement mise à la terre. Ne pas détériorer le dispositif de sécurité de la fiche polarisée ou de la fiche de terre. Une fiche polarisée possède deux broches, dont l'une plus large que l'autre. Une fiche de type terre possède deux broches et une troisième de mise à la terre. La broche large ou la troisième fiche sont fournies pour des raisons de sécurité. Si la fiche fournie n'entre pas dans votre prise de courant, veuillez faire appel à un électricien pour remplacer la prise obsolète.

AVERTISSEMENT L'appareil ne doit pas être exposé à des éclaboussures et aucun objet rempli de liquide, comme des vases, ne doit être placé sur l'appareil.

AVERTISSEMENT

Pour réduire les risques de brûlures, d'incendie, de choc électrique ou de blessures:

- Débrancher de la prise électrique avant d'installer ou de retirer des pièces.
- Surveiller étroitement ce meuble s'il est utilisé par ou à proximité d'un enfant, d'une personne invalide ou handicapée.
- N'utiliser ce meuble que pour l'usage auquel il est destiné, tel que décrit dans la présente fiche d'instructions. Ne pas utiliser d'accessoires non recommandés par le fabricant.
- Ne jamais utiliser ce meuble si le cordon ou la prise est endommagé, s'il ne fonctionne pas correctement, s'il est tombé ou est endommagé, ou s'il est tombé dans l'eau. Renvoyer le meuble à un centre de service après-vente pour qu'il soit examiné et réparé.
- Le cordon d'alimentation doit être placé de manière à éviter qu'il soit piétiné ou pincé, notamment au niveau des prises, des réceptacles et à la sortie de l'appareil.
- Garder le cordon d'alimentation loin des surfaces chauffées.
- Ne jamais faire tomber ou introduire un objet dans une ouverture.
- Ne pas utiliser en extérieur.
- Ne pas utiliser dans des lieux où des produits aérosols sont utilisés ou à proximité d'une source d'oxygène.
- Pour débrancher l'appareil, placez tous les commutateurs en position « arrêt » (sur les modèles concernés), puis retirez la fiche de la prise.

ATTENTION Toute installation électrique doit être effectuée conformément aux codes électriques nationaux et locaux.

Consignes de sécurité: montage en rack

Température de fonctionnement élevée: Si installé dans un rack fermé ou à unités multiples , la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à ambiante de la pièce. Par conséquent, il faudrait envisager d'installer l'équipement dans un environnement compatible avec la température ambiante maximale (Tma) spécifiée par le constructeur.

Réduction Air accréditives: Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement ne soit pas compromise.

Chargement mécanique: Le montage de l'équipement dans le rack doit être telle qu'une condition dangereuse ne lié à un chargement mécanique irrégulier.

Surcharge des circuits: Il faudrait envisager à la connexion de l'équipement au circuit d'alimentation et l' effet que la surcharge du circuit pourrait avoir sur la protection contre les surintensités et le câblage d'alimentation. Examen approprié des équipements évaluations de la plaque signalétique doit être utilisée pour traiter de cette préoccupation.

Mise à la terre fiable: Fiable mise à la terre de l'équipement de montage en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes vers le circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

Appareil Disconnect (Équipement Pluggable): La prise de courant doit être installée à proximité du matériel et doit être facilement accessible.

Lors de l'utilisation des produits électriques, des précautions de base doivent toujours être respectées, y compris les suivantes:

- Lire et suivre toutes les instructions avant l'utilisation du matériel.
- Les composants de cet appareil ne pas réparés par l'utilisateur. Le retrait du capot de cet appareil peut provoquer un choc électrique et annuler la garantie.
- La fiche secteur est utilisée comme sectionneur de courant. Ce dispositif doit rester en état de marche.
- Débrancher cet appareil pendant les orages ou s'il n'est pas utilisé pendant de longues périodes.
- Ne surchargez pas le réceptacle de mur ou le circuit qui fournit l'énergie à ce appareil. Ne pas surcharger cette appareil. S'assurer que la charge totale à cet appareil ne dépasse pas celle qui est répertoriée dans la section desspécifictions de ce manuel.
- Assurez-vous cet appareil est connecté à une source d'alimentation C/A avecmise à la terre. Assurez-vous cet appareil est branché
- sur une sourced'alimentation fournissant les nécessaires 120V. Ne pas utiliser un adaptateurqui contrecarre la broche de terre de la prise du cordon d'alimentation.

Regulatory Compliance

Federal Communications Commission (FCC) Statement

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

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

Conformité Réglementaire

Déclaration de conformité de la Federal Communications Commission (FCC)

ATTENTION Les changements ou modifications non expressément approuvés par le fabricant peuvent annuler le droit de l'utilisateur à utiliser l'équipement.

REMARQUE Cet équipement a été testé et jugé conforme aux limites d' un dispositif numérique de classe B, conformément à la partie 15 des règles de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre de l'énergie radiofréquence et, si non installé et utilisé conformément aux instructions, peut provoquer des interférences dans les communications radio. Cependant, il n'y a aucune garantie que des interférences ne se produiront pas dans une installation particulière. Si cet équipement provoque des interférences nuisibles à la réception radio ou de télévision, ce qui peut être déterminé en allumant et éteignant l'équipement, l'utilisateur est encouragé à essayer de corriger l'interférence par une ou plusieurs des mesures suivantes:

- Réorienter ou déplacer l' antenne de réception.
- Augmenter La distance entre l'équipement et le récepteur.
- Brancher l'équipement dans une prise sur un circuit différent de celui sur lequel est branché le récepteur.
- Consulter le revendeur ou un technicien radio/TV expérimenté.

Industry Canada (IC)

ICES-003 Class B Notice. This Class B digital apparatus complies with Canadian ICES-003.

Industrie Canada (IC)

ICES-003 Avis NMB-003, Classe B. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Waste Electrical and Electronic Equipment (WEEE) Directive

Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office or your household waste collection service.

Directive sur les déchets d'équipements électriques et électroniques (WEEE)

Elimination correcte de ce produit: Ce symbole indique que ce produit ne doit pas être éliminé avec les ordures ménagères, conformément à la directive WEEE (2012/19/EU) et à votre législation nationale. Ce produit doit être déposé dans un centre de collecte agréé pour le recyclage des déchets d'équipements électriques et électroniques (EEE). La mauvaise manipulation de ce type de déchets pourrait avoir un impact négatif possible sur l'environnement et la santé humaine en raison de substances potentiellement dangereuses généralement associées aux EEE. Dans le même temps, votre coopération dans l'élimination correcte de ce produit contribuera à une utilisation efficace des ressources naturelles. Pour plus d'informations sur les lieux de recyclage de vos équipements usagés, veuillez contacter votre mairie ou votre service de collecte des ordures ménagères.

Understanding General Symbols and Terms

NOTE	A note highlights procedures pertaining to the installation, operation, or maintenance of the product.
REMINDER	A reminder marks information which may be of importance to you for recalling in context and later use.
TIP	A tip helps users apply techniques and procedures for their specific needs. The information suggests alternative methods that may not be obvious and help users understand the benefits and capabilities of the product. A tip is not essential to the basic understanding of the material.

Supplied Components and Hardware

After carefully opening all product packaging, identify the supplied components and hardware shown. If any pieces are missing or damaged, please report it immediately to Technical Support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901. Keep the original packaging in a safe place for future use.

Power Distribution Unit (PDU)

NOTE: Form factor and outlet type vary based on model purchased. For data about your specific model, see the following note.

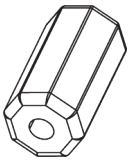
A

NOTE

- Rackmount models refer to RLNK-915R, RLNK-920R, and RLNK-910R-IEC-NS, products.
- Half-Rack models refer to RLNK-415R, RLNK-420R, RLNK-410R-IEC-NS products.
- Vertical models refer to RLNK-1015V and RLNK-1615V products.
- Compact models refer to RLNK-215 and RLNK-210-IEC-NS products.

Rackmount Models

The following items are also included with your PDU.



Ferrite

B

Power Cord

NOTE: Cord provided varies based on model purchased.

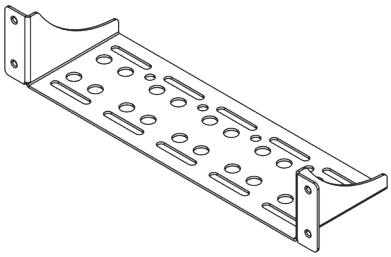
C

Quick Start Guide

NOTE To order more hardware, contact support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901

Half-Rack Models

The following items are also included with your PDU.

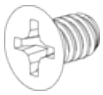


Vertical Bracket

D

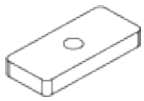
(5x)
10-32 x ½” Phillips Screw

E



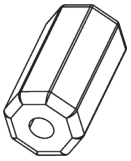
(5x)
10-32 x ⅜” Phillips Screw

F



(5x)
10-32 Oval Nut

G



Ferrite

B

Power Cord

NOTE: Cord provided varies based on model purchased.

C

Quick Start Guide

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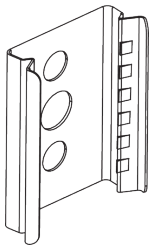
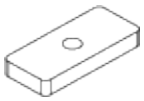
Vertical Models

The following items are also included with your PDU.



(4x)
Mounting Clip

H

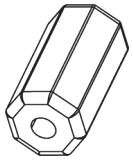


(4x)
10-32 Oval Nut

G

(4x)
10-32 x ½" Phillips Screw

E



Ferrite

B

Power Cord
NOTE: Cord provided varies based on model purchased.

C

Quick Start Guide

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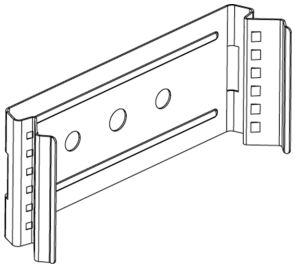
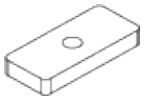
Compact Models

The following items are also included with your PDU.



(4x)
Mounting Clip

J



(2x)
10-32 Oval Nut

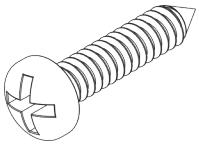
G

(2x)
10-32 x ½” Phillips Screw

E

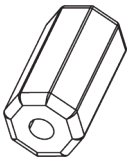
(2x)
10-12 Drywall Anchors

K



(2x)
#10 x 1” Phillips Screw

L



Ferrite

B

Power Cord
NOTE: Cord provided varies based on model purchased.

C

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NOTE To order more hardware, contact support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901

Required Tools

- #2 Phillips Screwdriver
- #2 Flat Head Screwdriver
- Electric Drill with Phillips and Flat Bit
- ¼” Drill Bit

WARNING Use tools with caution and follow all safety protocols.

AVERTISSEMENT Utiliser des outils avec prudence et suivre tous les protocoles de sécurité.

Introduction

Thank you for purchasing a Select Series PDU with RackLink™ product - subsequent references as RackLink, device, or PDU (for Power Distribution Unit). This User Manual provides information about your RackLink Select (A), PDU device offered by Middle Atlantic®. You may have purchased additional items (some sold separately) as part of your configuration.

For information about additional products that are part of the Select series, refer to their respective documents available on the Select Series PDU with RackLink product page at www.legrandav.com or contact support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901.

NOTE Images in this manual use different Select Series PDU with RackLink models to show the location of connections, buttons, and lights on LED panels. Unless otherwise noted, the location of these items are similar on all models, and minor appearance variations do not affect the procedures explained.

RackLink simplifies installation and reduces the cost of service and support by providing intelligent power designed for AV systems. With its versatility in the vertical PDU, traditional rackmount, half-rack, and compact form factors, RackLink allows control anywhere it's needed. All form factors are enabled with RackLink technology, creating a system for IP control of power distribution locally or anywhere in the world. This system is a simple, cost effective method for adding intelligent outlet control to applications with basic power distribution. It expands the range of applications and systems that can become IP controlled.

Ensuring system reliability and uptime, it uses intuitive setup and operation, preemptive problem notification and automatic problem resolution. RackLink is also designed to maximize productivity through universal control through local network, third-party control systems, or third-party cloud partners.

Using RackLink Tools, Interfaces, and Applications

Some additional tools, interfaces, and applications for your RackLink device include the Web Interface, the RackLink Cloud Service, the RackLink Discovery Tool, and the Mobile App.

For more information, see the following topics:

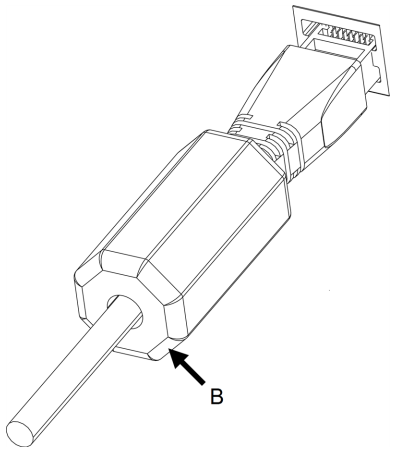
- Using the Web Interface, on page 53.
- Understanding the RackLink Cloud Service, on page 74.
- Downloading and Using the RackLink Device Discovery Tool, on page 137.
- Downloading and Using the Mobile App, on page 144.

System Requirements

- Windows® 7 32/64-bit or later with .Net 4.0 Framework or later.
- Macintosh® OS X® 10.8 or later.
- The latest version of Google Chrome™ is recommended.

Installing Rackmount Models in an Enclosure

1. Install the unit in a permanent location considering ease of access and adequate power requirements.
2. Use a #2 Phillips screwdriver and (4x) rack screws (not provided) to attach your Rackmount PDU to the rackrails on your enclosure.
3. Use a shielded Cat5e cable (or better, not provided) to connect the device to your network.
4. Attach the ferrite provided (Part No. 600-01660) as close as possible to the connector going into your device on your shielded Cat 5 cable (not provided).



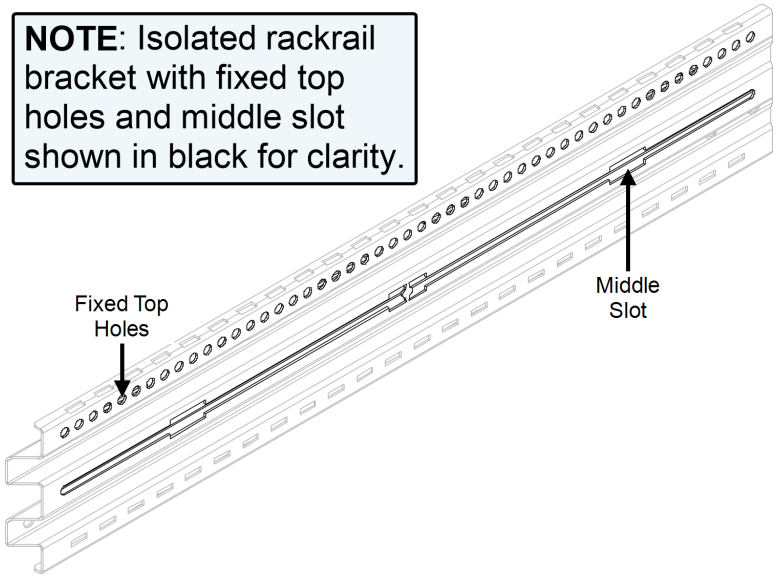
5. Plug power cord into device and a properly grounded AC power source.
6. Press the Power button on the Front Panel. For more information, see Understanding RackLink Model Feature Sets, on page 43.
7. Continue setting up your RackLink device. For more information, see Setting Up Your RackLink Device for the First Time, on page 37.

Installing Half-Rack Models to Rackrail Bracket in an Enclosure

NOTE

- This topic covers typical installations to most rackrail brackets inside of Middle Atlantic enclosures; however, the mounting bracket may also be installed on a Lever Lock™ plate or even a wall, if desired. (Wall mounting hardware not provided.)
- Exact mounting position may vary based on your specific power and cabling installation.

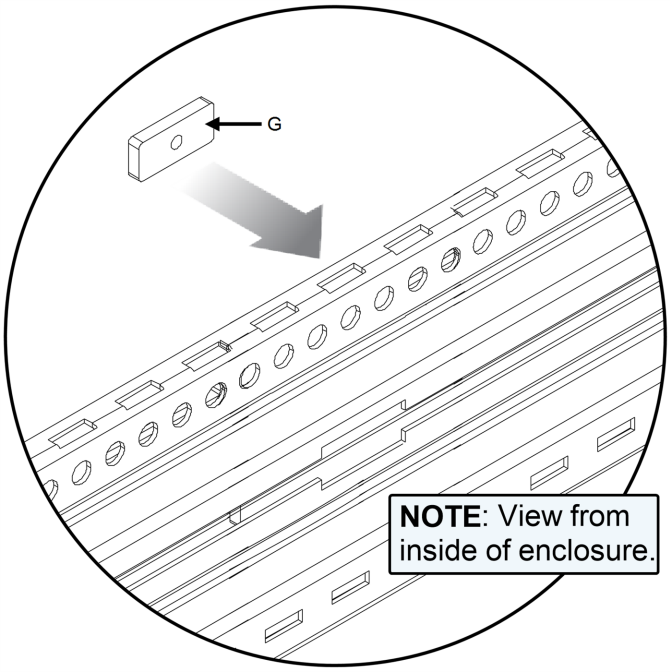
The following sections show how to install your vertical bracket (D) to either the fixed top holes or the middle slot of your rackrail bracket inside of your enclosure. We recommend installing the bracket to your enclosure or other location first, and then installing your Half-Rack PDU (A) to the bracket after.



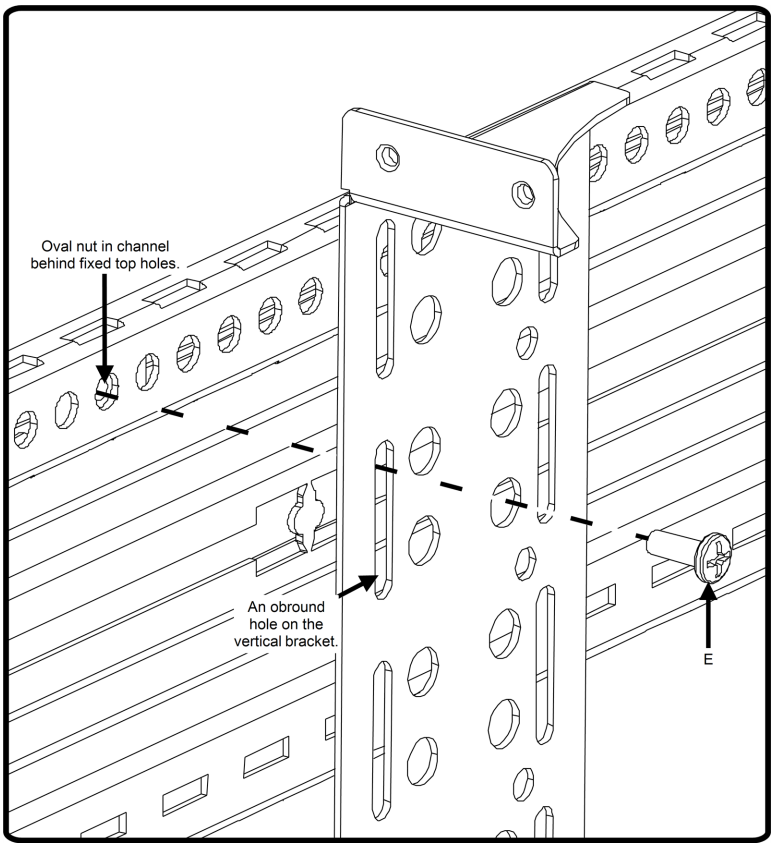
Installing Vertical Bracket to Fixed Top Holes on Rackrail Bracket for Half-Rack PDUs

1. Install the unit in a permanent location considering ease of access and adequate power requirements.

Slide an oval nut (G) into the channel behind the fixed top holes on your rackrail bracket as shown.

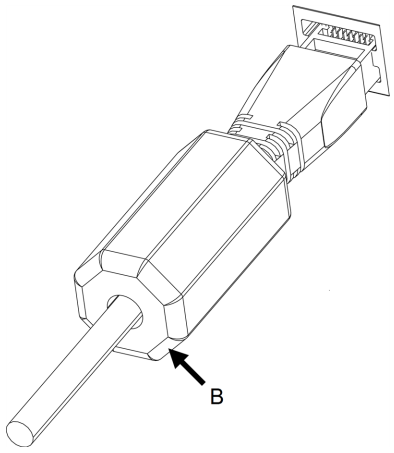


2. Use a #2 Phillips screwdriver and a 10-32 x ½" screw (E) through an obround on your vertical bracket, through the fixed hole on the rackrail bracket, and into the oval nut (G) as shown.



NOTE Do not fully tighten screws at this point to allow for adjustments.

3. Repeat the process with another oval nut (G) and 10-32 x ½" screw (E) through an obround on the opposite side of the vertical bracket (D).
4. Tighten both screws after making your final adjustments.
5. Use a shielded Cat5e cable (or better, not provided) to connect the device to your network.
6. Attach the ferrite provided (B, Part No. 600-01660) as close as possible to the connector going into your device on your shielded Cat 5 cable (not provided).

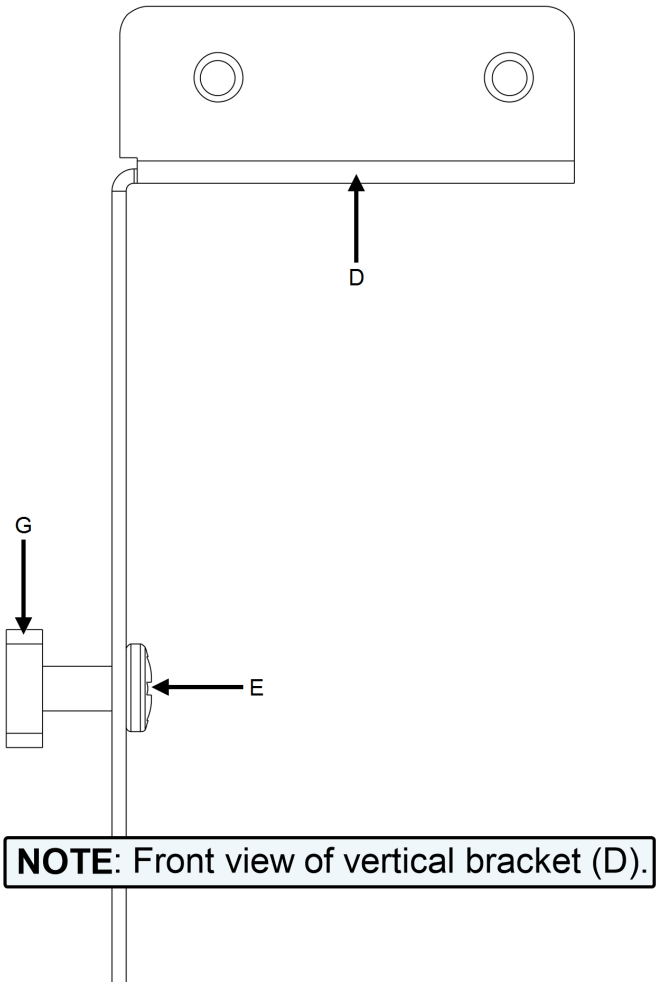


7. Plug power cord (C) into device and a properly grounded AC power source.
8. Continue setting up your RackLink device. For more information, see Installing Your Half-Rack PDU to the Vertical Bracket, on page 26.

Installing Vertical Bracket to Middle Slot on Rackrail Bracket for Half-Rack PDUs

1. Install the unit in a permanent location considering ease of access and adequate power requirements.

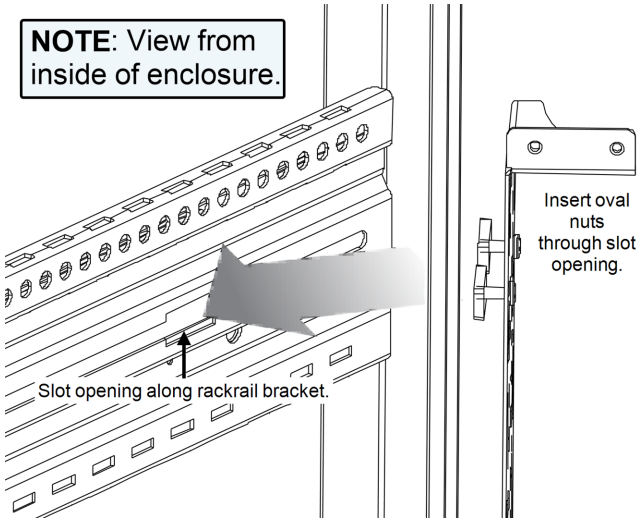
Put a 10-32 x ½” screw (E) through the obround hole location on your vertical bracket as shown, and thread the screw (approximately 2 - 3 full turns) into an oval nut (G).



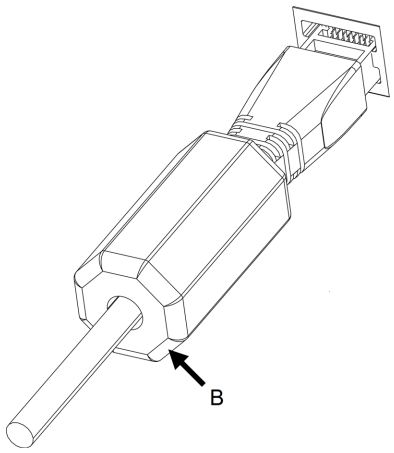
NOTE: Front view of vertical bracket (D).

2. Repeat the process with another 10-32 x ½” screw (E) through the obround on the opposite side of the vertical bracket and thread the screw (approximately 2 - 3 full turns) into another oval nut (G).

Insert oval nuts (G, both partially assembled to the vertical bracket (D) with screws from the previous step) through your desired slot opening along the rackrail bracket in your enclosure's interior as shown below.



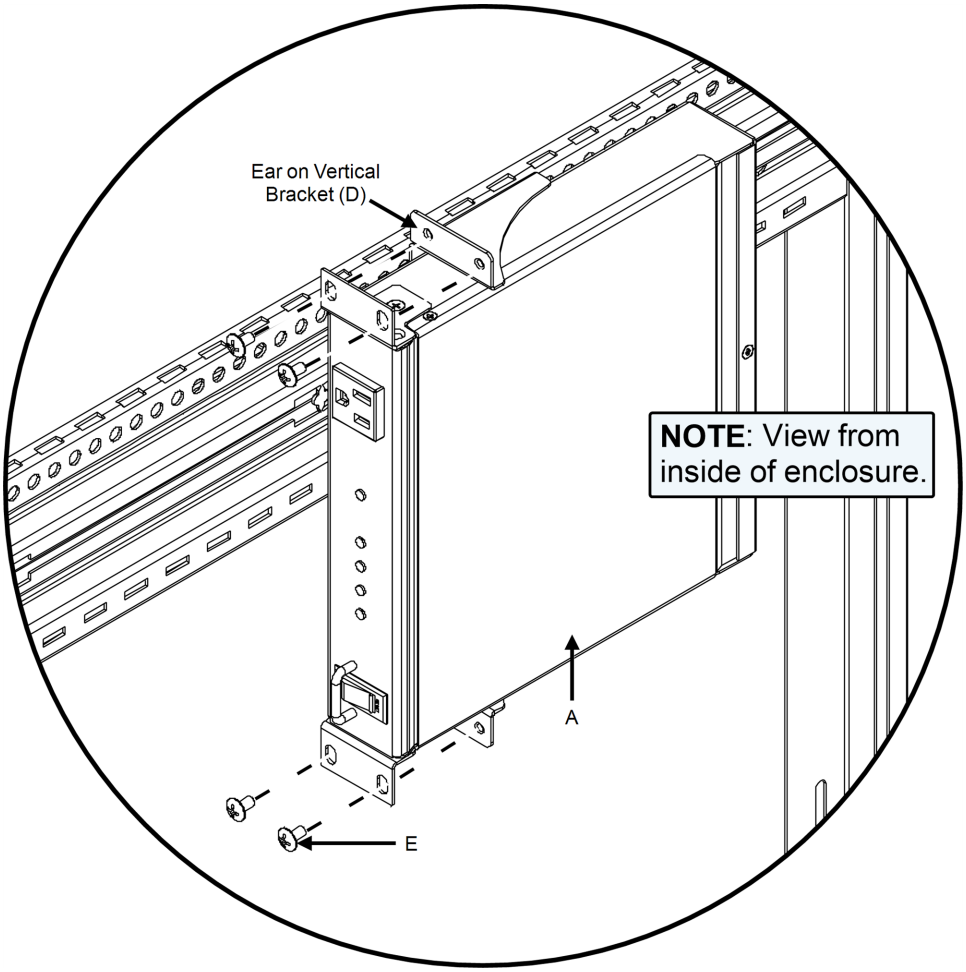
3. Make any final positioning adjustments on the vertical bracket obrounds and the specific location along rackrail bracket, and then use a #2 Phillips screwdriver to fully tighten both screws.
4. Use a shielded Cat5e cable (or better, not provided) to connect the device to your network.
5. Attach the ferrite provided (B , Part No. 600-01660) as close as possible to the connector going into your device on your shielded Cat 5 cable (not provided).



6. Plug power cord (C) into device and a properly grounded AC power source.
7. Continue setting up your RackLink device. For more information, see Installing Your Half-Rack PDU to the Vertical Bracket, on page 26.

Installing Your Half-Rack PDU to the Vertical Bracket

1. Carefully slide your Half-Rack PDU (A) through the front of your mounted vertical bracket (D). Hold your PDU in place against the vertical bracket ears.



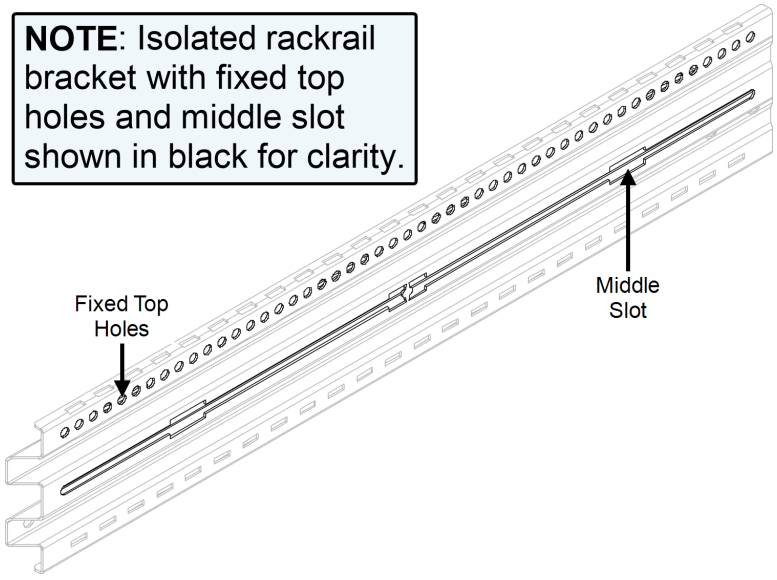
2. Use a #2 Phillips screwdriver and (4x) 10-32 x ⅜" screws (F) through the holes on the ears of your PDU and into the ears on the vertical bracket (D) as shown.
3. Press the Power button on the Front Panel. For more information, see Understanding RackLink Model Feature Sets, on page 43.
4. Continue setting up your RackLink device. For more information, see Setting Up Your RackLink Device for the First Time, on page 37.

Installing Vertical Models in an Enclosure

NOTE

- This topic covers typical installations to most rackrail brackets inside of Middle Atlantic enclosures; however, the mounting bracket may also be installed on a Lever Lock™ plate or even a wall, if desired. (Wall mounting hardware not provided.)
- Exact mounting position may vary based on your specific power and cabling installation.

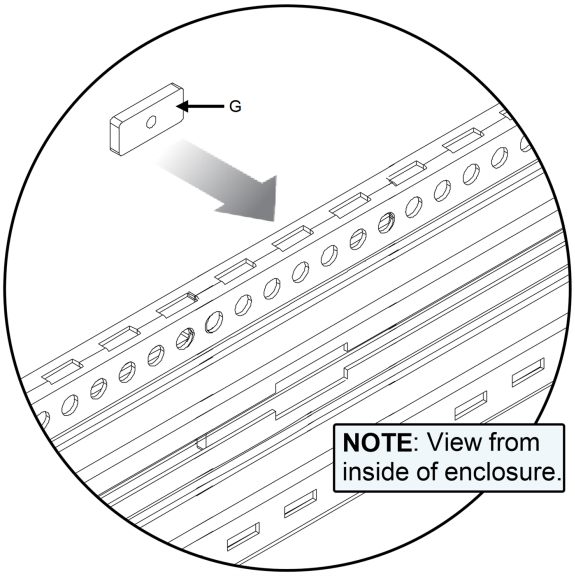
The following sections show how to install your mounting clips to either the fixed top holes or the middle slots of rackrail brackets inside of your enclosure. We recommend installing the mounting clips to your enclosure or other location first, and then installing your Vertical PDU (A) to the clips after.



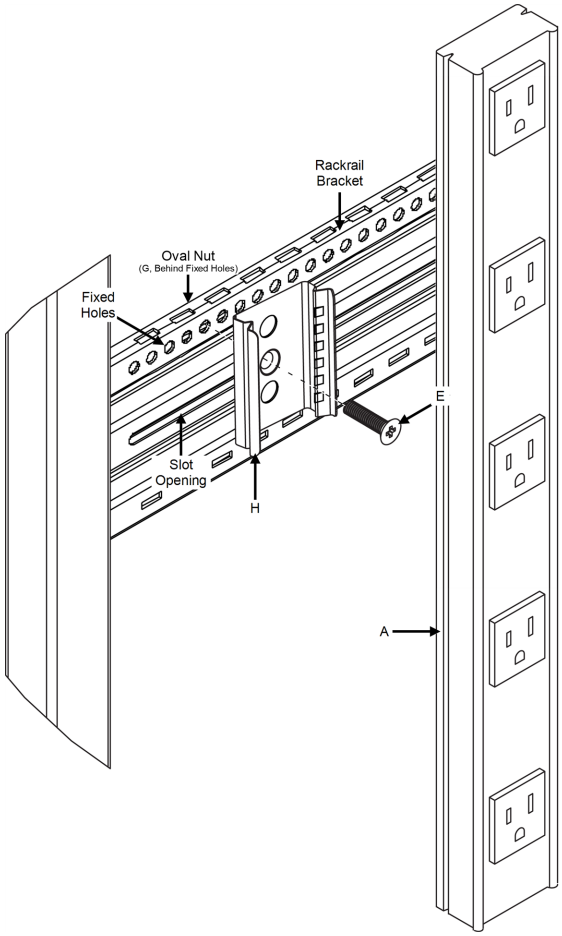
Installing the Mounting Clips to Fixed Top Holes on Rackrail Bracket for Vertical PDUs

1. Install the unit in a permanent location considering ease of access and adequate power requirements.

Slide an oval nut (G) into the channel behind the fixed top holes on your rackrail bracket as shown.

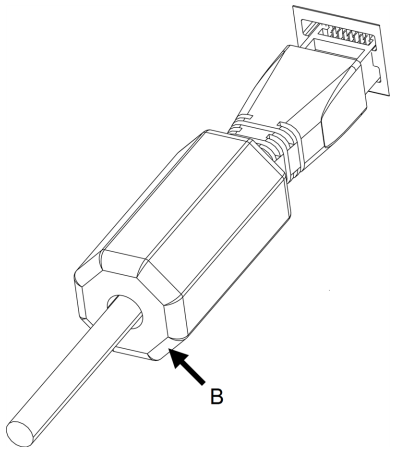


2. Use a #2 Phillips screwdriver and a 10-32 x ½" screw (E) through a hole on the mounting clip, through the fixed hole on the rackrail bracket, and into the oval nut (G) as shown.



NOTE Do not fully tighten screws at this point to allow for adjustments.

3. Repeat the previous steps to match the hardware amounts (oval nuts, screws, and clips) to the amount of rackrail brackets in your enclosure.
4. Tighten screws after making your final adjustments.
5. Use a shielded Cat5e cable (or better, not provided) to connect the device to your network.
6. Attach the ferrite provided (B, Part No. 600-01660) as close as possible to the connector going into your device on your shielded Cat 5 cable (not provided).

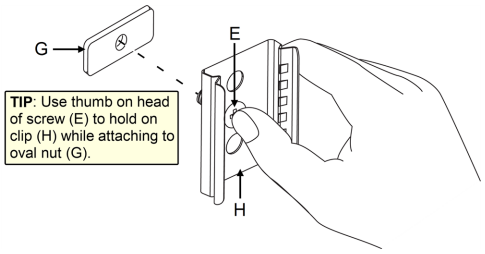


7. Plug power cord (C) into device and a properly grounded AC power source.
8. Continue setting up your RackLink device. For more information, see Installing Your Vertical PDU to the Mounting Clips, on page 31.

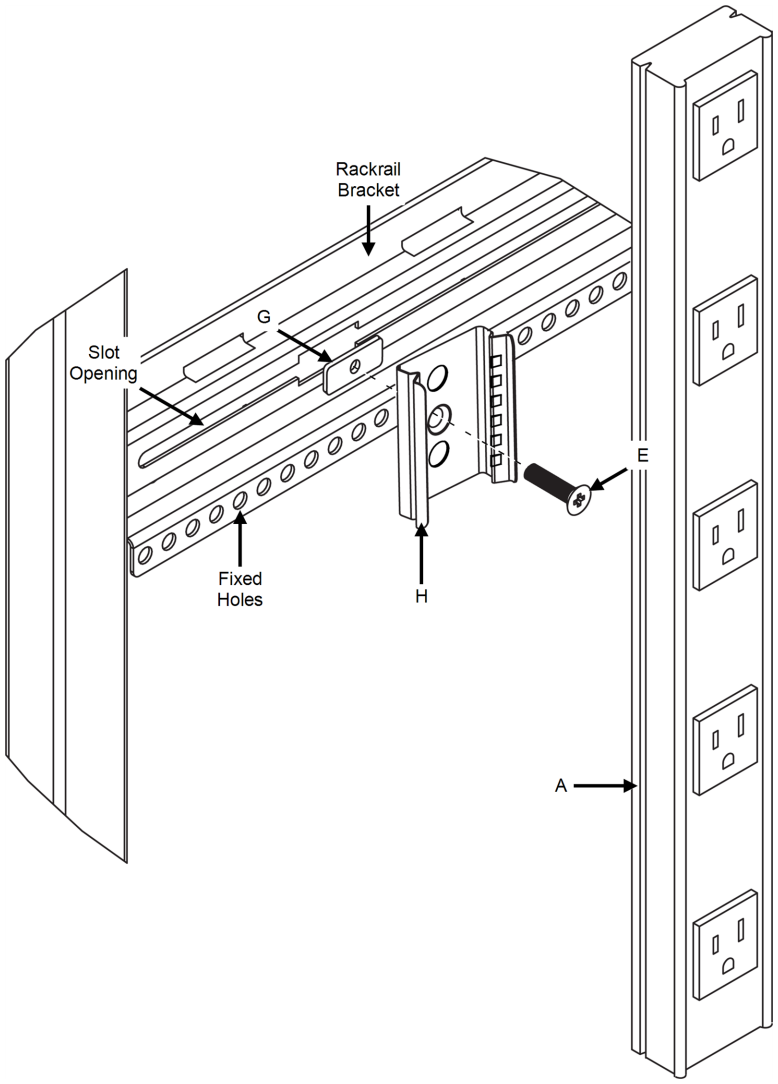
Installing Mounting Clips to Middle Slot on Rackrail Bracket for Vertical PDUs

1. Install the unit in a permanent location considering ease of access and adequate power requirements.

Put a 10-32 x ½" screw (E) through a hole on the mounting clip (H) and thread the screw (approximately 2 - 3 full turns) into an oval nut (G) as shown.

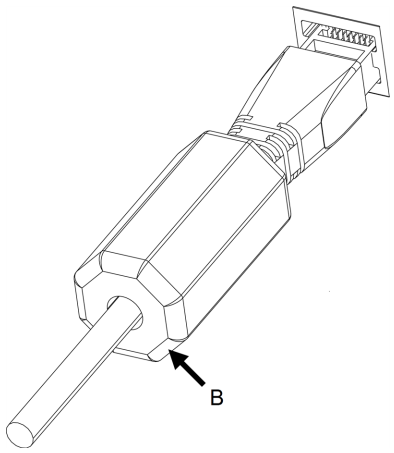


2. Insert oval nut (G, partially assembled to the mounting clip with a screw from the previous step) through your desired slot opening along the rackrail bracket in your enclosure's interior as shown.



3. Repeat the previous steps to match the hardware amounts (oval nuts, screws, and clips) to the amount of rackrail brackets in your enclosure.

4. Make any final positioning adjustments to the mounting clips and specific locations along the rackrail bracket, and then use a #2 Phillips screwdriver to fully tighten the screws.
5. Use a shielded Cat5e cable (or better, not provided) to connect the device to your network.
6. Attach the ferrite provided (B, Part No. 600-01660) as close as possible to the connector going into your device on your shielded Cat 5 cable (not provided).



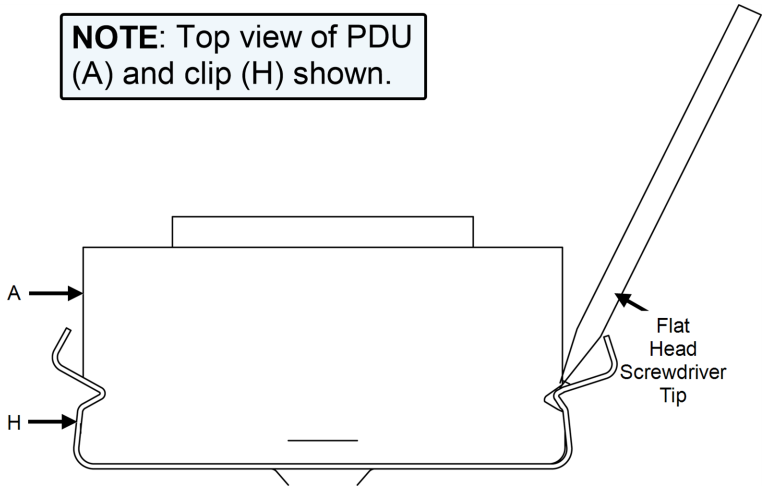
7. Plug power cord (C) into device and a properly grounded AC power source.
8. Continue setting up your RackLink device. For more information, see Installing Your Vertical PDU to the Mounting Clips, on page 31.

Installing Your Vertical PDU to the Mounting Clips

1. Align the back of your Vertical PDU (A) against the installed mounting clips (H).

Gently tap the Vertical PDU into each mounting clip using the palm of your hand.

TIP Remove the PDU from the mounting clips by wedging a flat head screwdriver between the side of the PDU and clip, and gently prying the PDU from the clip as shown.



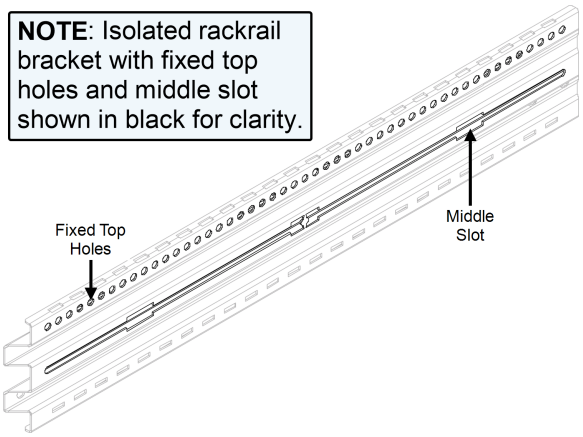
2. Continue setting up your RackLink device. For more information, see Setting Up Your RackLink Device for the First Time, on page 37.

Installing Compact Models in an Enclosure

NOTE

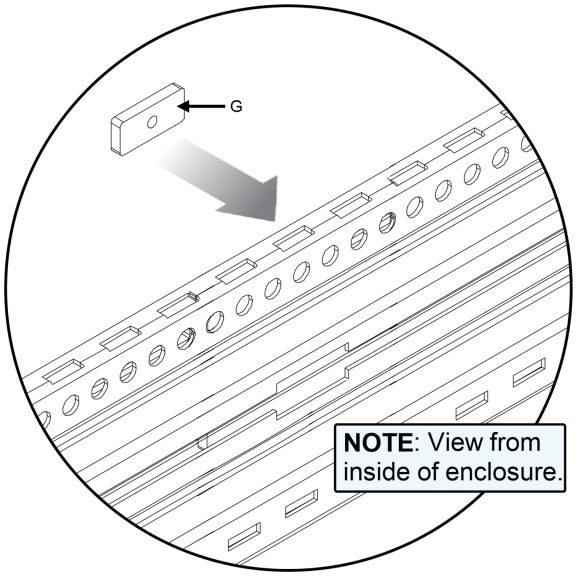
- This topic covers typical installations to most rackrail brackets inside of Middle Atlantic enclosures; however, the mounting clip may also be installed on a Lever Lock™ plate or even a wall, if desired.
- Exact mounting position may vary based on your specific power and cabling installation.

The following sections show how to install your mounting clips (J) to either the fixed top holes or the middle slots of rackrail bracket inside of your enclosure. We recommend installing the mounting clip to your enclosure or other location first, and then installing your Vertical PDU (A) to the clip after.

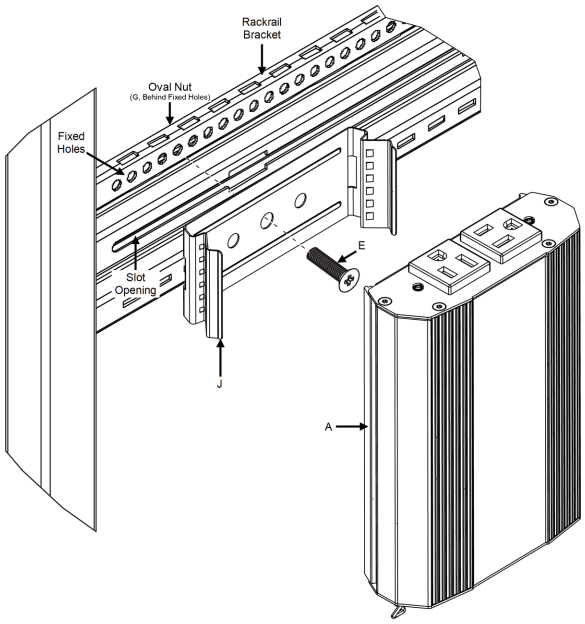


Installing the Mounting Clip to Fixed Top Holes on Rackrail Bracket for Compact PDUs

1. Install the unit in a permanent location considering ease of access and adequate power requirements.
2. Slide an oval nut (G) into the channel behind the fixed top holes on your rackrail bracket as shown.

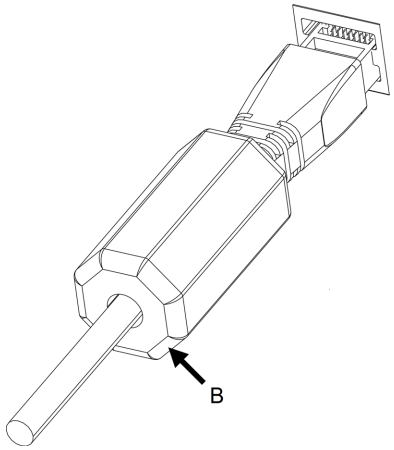


Use a #2 Phillips screwdriver and a 10-32 x ½" screw (E) through a hole on the mounting clip, through the fixed hole on the rackrail bracket, and into the oval nut (G) as shown.



NOTE Do not fully tighten screws at this point to allow for adjustments.

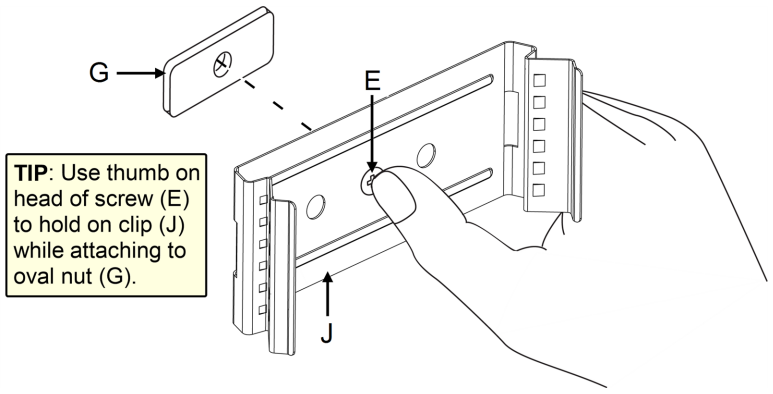
3. Repeat the previous steps to match the hardware amounts (oval nuts, screws, and clips) to the amount of rackrail brackets in your enclosure.
4. Tighten screws after making your final adjustments.
5. Plug power cord (C) into device and a properly grounded AC power source.
6. Use a shielded Cat5e cable (or better, not provided) to connect the device to your network.
7. Attach the ferrite provided (B, Part No. 600-01660) as close as possible to the connector going into your device on your shielded Cat 5 cable (not provided).



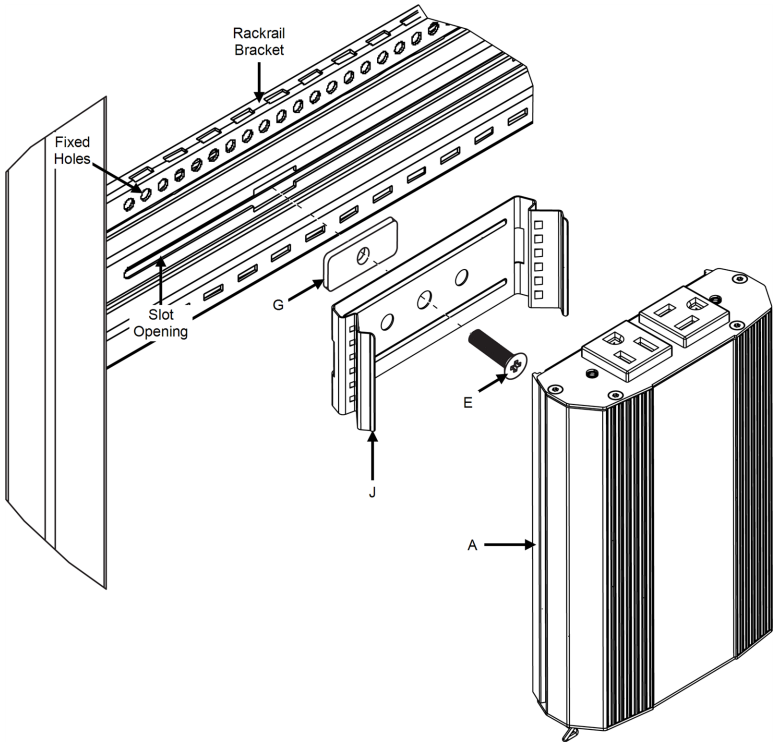
8. Continue setting up your RackLink device. For more information, see Installing Your Compact PDU to the Mounting Clip, on page 37.

Installing Mounting Clip to Middle Slot on Rackrail Bracket for Compact PDUs

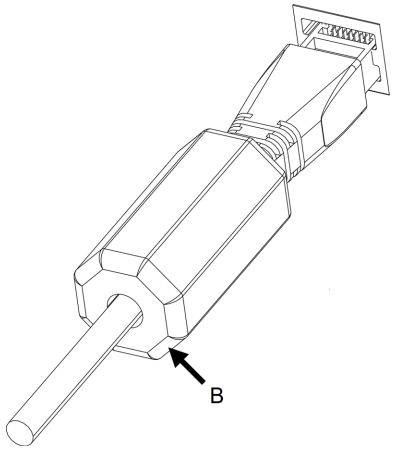
1. Install the unit in a permanent location considering ease of access and adequate power requirements.
2. Put a 10-32 x ½" screw (E) through a hole on the mounting clip (J) and thread the screw (approximately 2 - 3 full turns) into an oval nut (G) as shown.



Insert oval nut (G, partially assembled to the mounting clip with a screw from the previous step) through your desired slot opening along the rackrail bracket in your enclosure's interior as shown.



3. Repeat the previous steps to match the hardware amounts (oval nuts, screws, and clips) to the amount of rackrail brackets in your enclosure.
4. Make any final positioning adjustments to the mounting clips (E) and specific locations along the rackrail bracket, and then use a #2 Phillips screwdriver to fully tighten the screws.
5. Use a shielded Cat5e cable (or better, not provided) to connect the device to your network.
6. Attach the ferrite provided (Part No. 600-01660) as close as possible to the connector going into your device on your shielded Cat 5 cable (not provided).

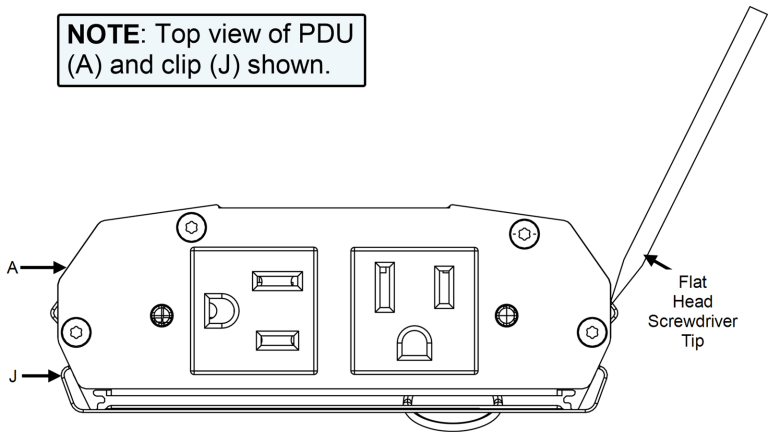


7. Plug power cord into device and a properly grounded AC power source.
8. Continue setting up your RackLink device. For more information, see Installing Your Compact PDU to the Mounting Clip, on page 37.

Installing Your Compact PDU to the Mounting Clip

1. Align the back of your Compact PDU (A) against the installed mounting clips (J).
2. Gently tap the Compact PDU into each mounting clip using the palm of your hand.

TIP Remove the PDU from the mounting clips by wedging a flat head screwdriver between the side of the PDU and clip, and gently prying the PDU from the clip as shown.



3. Continue setting up your RackLink device. For more information, see Setting Up Your RackLink Device for the First Time, on page 37.

Setting Up Your RackLink Device for the First Time

NOTE If you're not using RackLink Cloud Services, you may need to configure a port on your firewall to allow passthrough traffic to your RackLink device whether you use DDNS or a static TCP/IP address. Please refer to your router's instructions regarding port configuration. If you do not have a static TCP/IP address, you must first setup a method for handling the address changes, such as using a DDNS service. Once completed, please follow the same instructions as if you had a static address, and then open a port on your router to allow passthrough traffic to your RackLink device.

Your RackLink Ethernet network port has DHCP enabled by default. If the system is unable to acquire an IP address from the DHCP server, the system automatically assigns **`192.168.1.200`**.

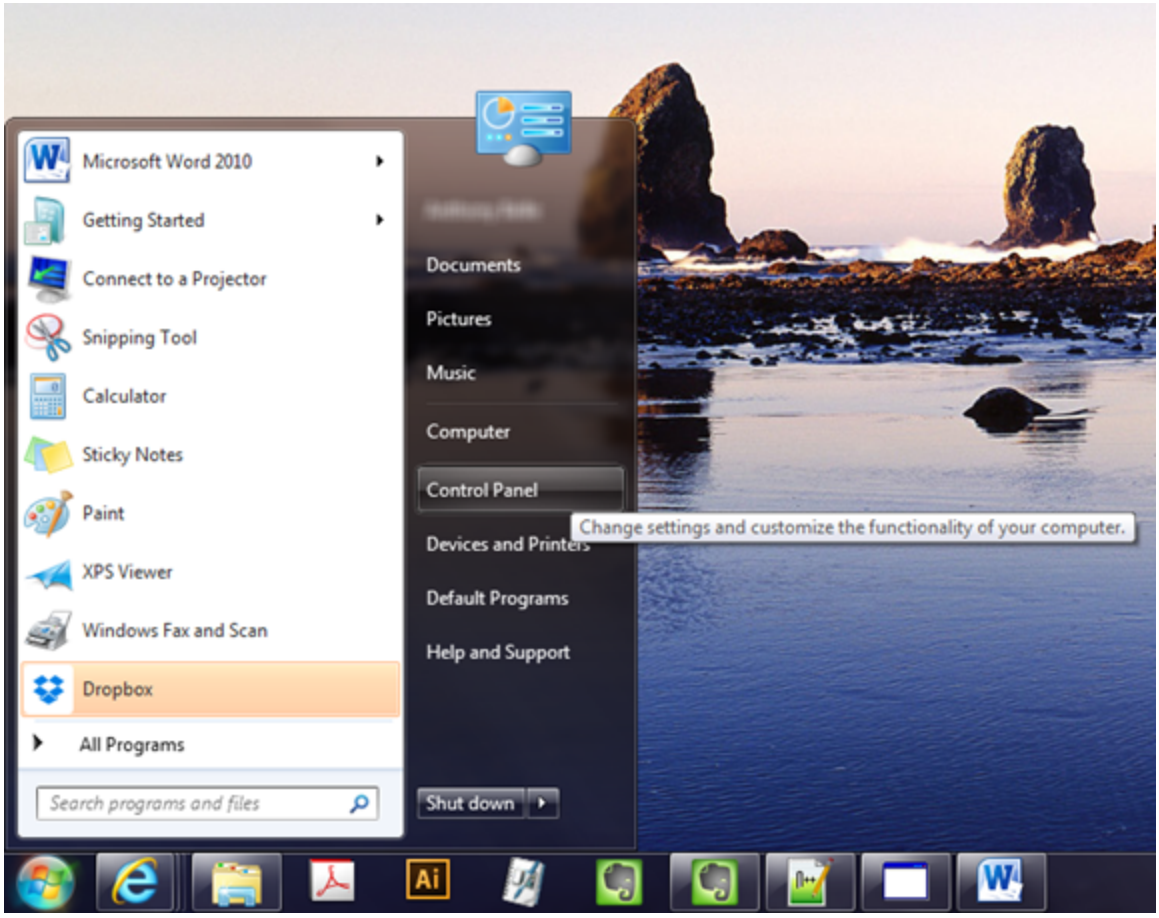
If you are using DHCP, your device should automatically work, and you can skip to the Using the Web Interface, on page 53. If you are not using DHCP and would like to specify a static TCP/IP address, use your computer and a network cable (Cat5e or better, not provided) along with the following procedures and configure your RackLink device accordingly.

NOTE The following procedure shows steps using Windows 7. The setup steps are similar in other operating systems.

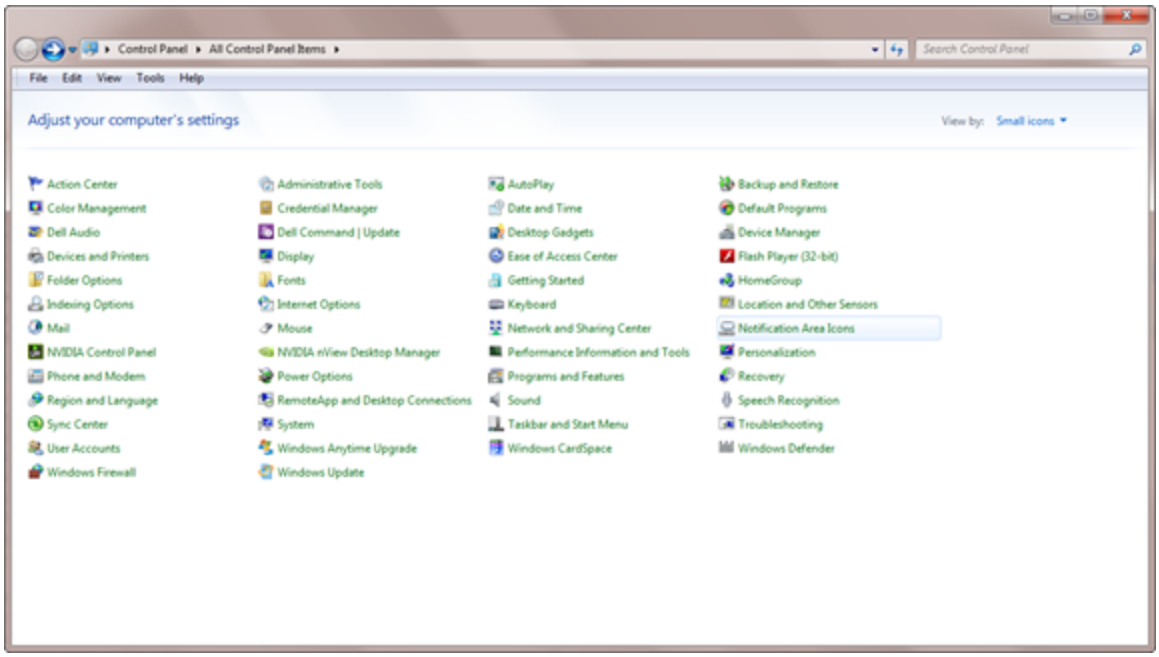
Configuring TCP/IP on Your Computer

Use this procedure first to configure TCP/IP on your computer, and then configure TCP/IP on your RackLink device using either the web interface or Discovery Tool. For more information, see .

1. Disconnect the computer from any networks.
2. Click **Start**.
3. Click **Control Panel**.

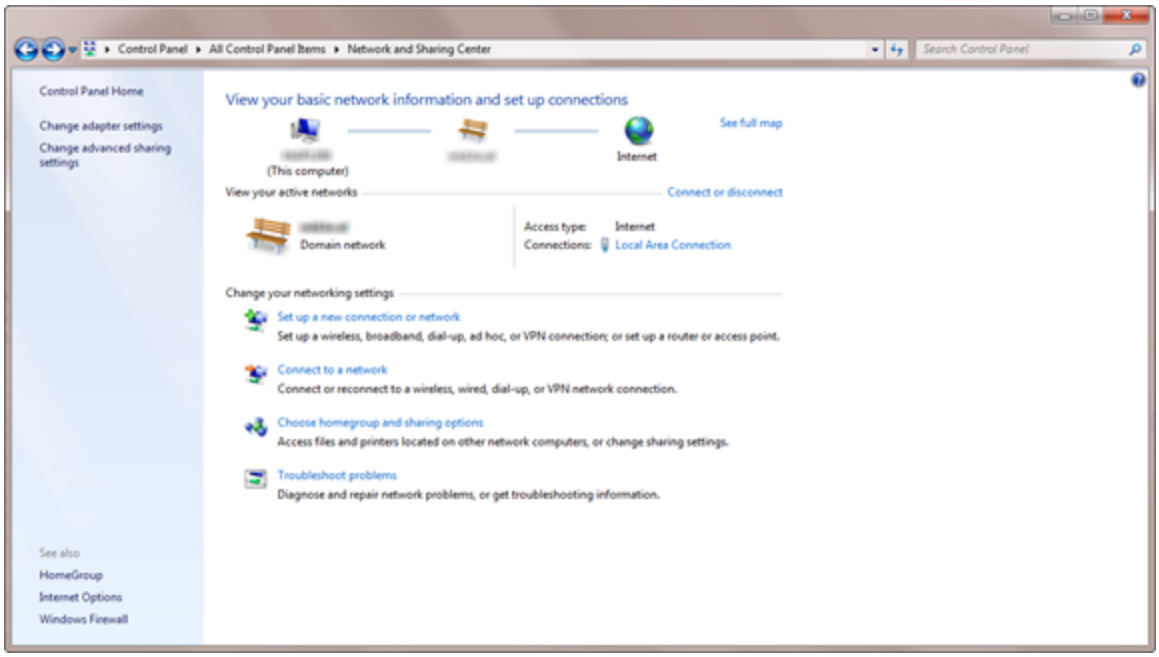


The Control Panel appears.



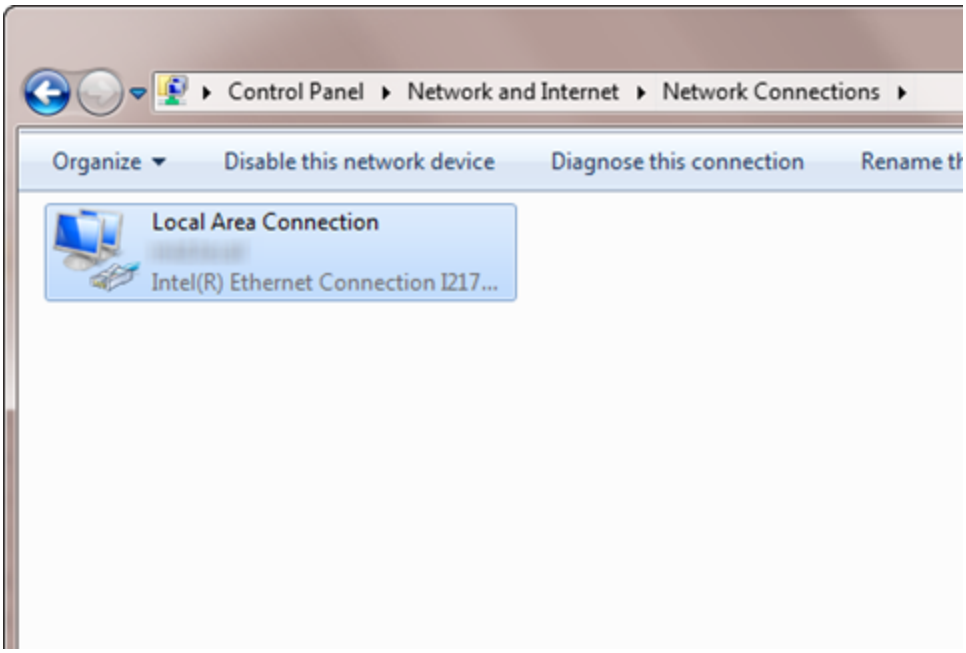
4. Double click **Network Sharing Center**.

   The Network Sharing Center screen appears.



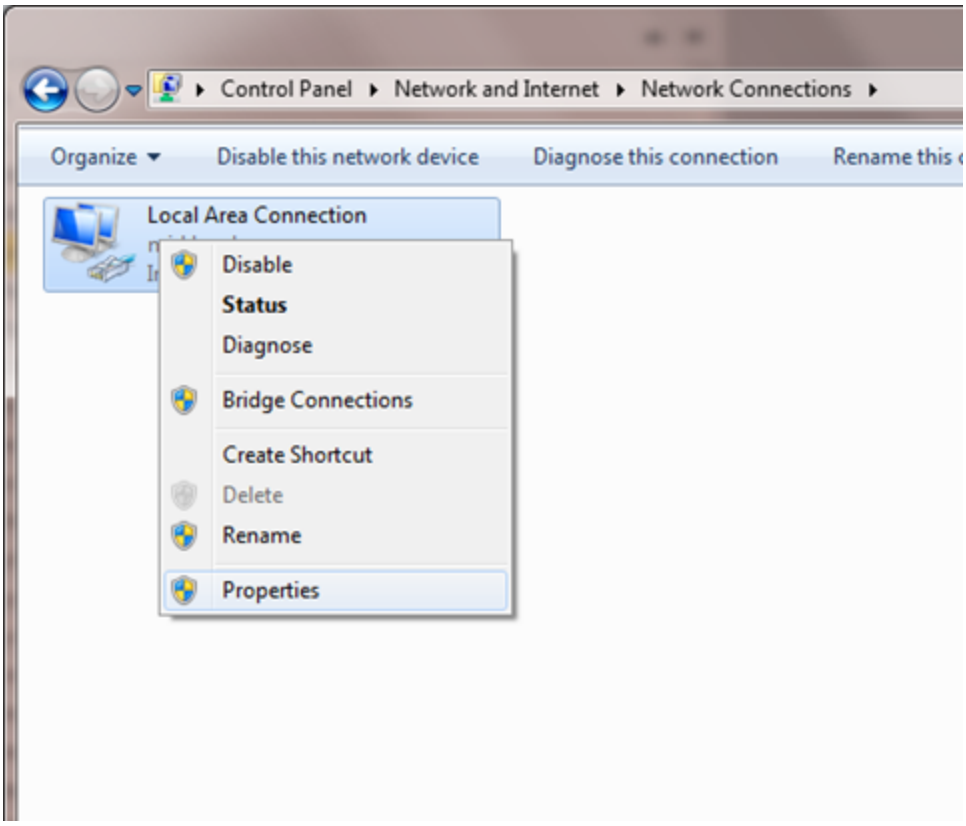
5. Click **Change adapter settings**.

The Network Settings screen appears.

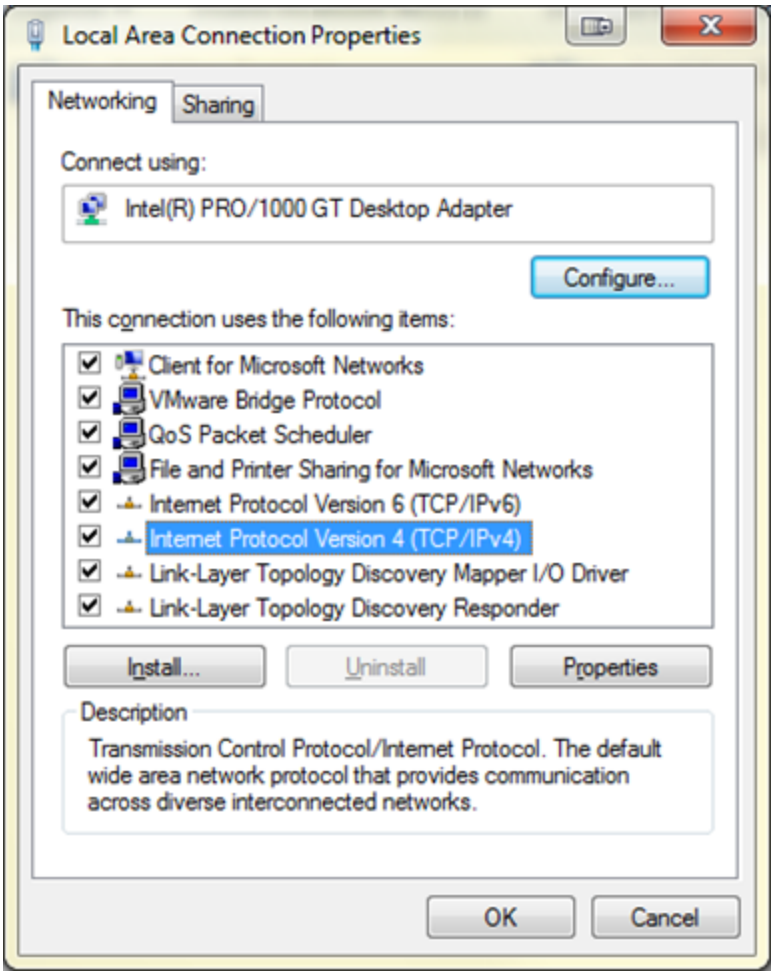


Locate the computer's wired network connection, which should be listed in the LAN or High-Speed Internet group and be named similar to "Local Area Connection."

6. Right-click the wired network connection and select **Properties**.

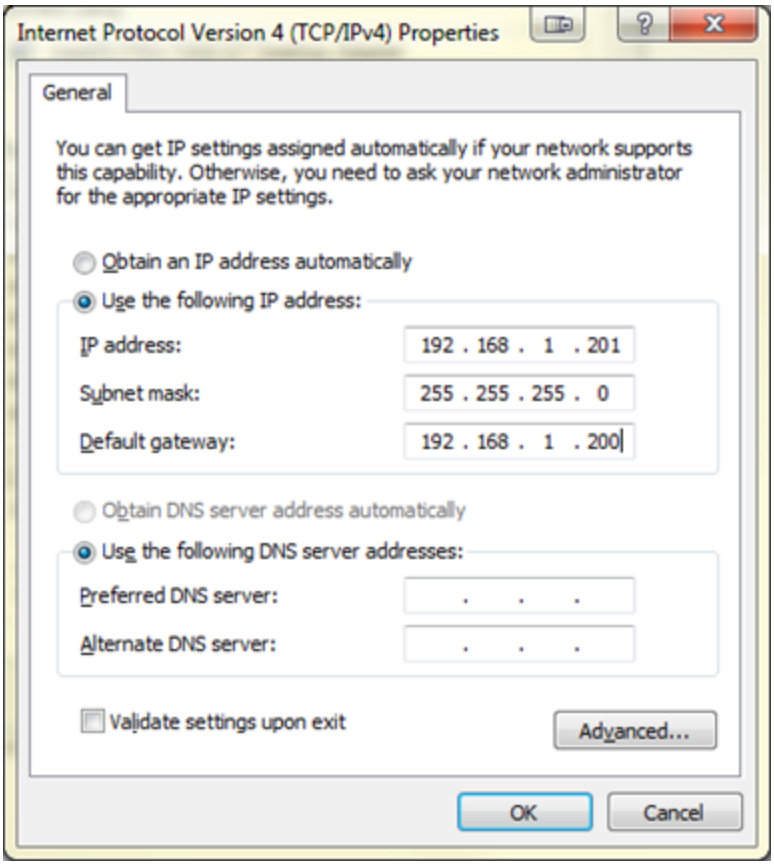


The Local Area Connection Properties window appears.



7. Click **Internet Protocol Version 4 (TCP/IPv4)** to highlight the row.
8. Click **Properties**.

The Internet Protocol (IP) Properties window appears.



9. Write down the computer's current TCP/IP settings.

> **NOTE** Make a note of these settings to restore the computer back to the original configuration after your RackLink device is directly connected to your computer.

10. Select Use the following TCP/IP address and configure the following:
    - In the IP address field, enter **`192.168.1.201`**.
    - In the Subnet mask field, enter **`255.255.255.0`**.
    - In the Default gateway field, enter **`192.168.1.200`**.
11. Click **OK**.

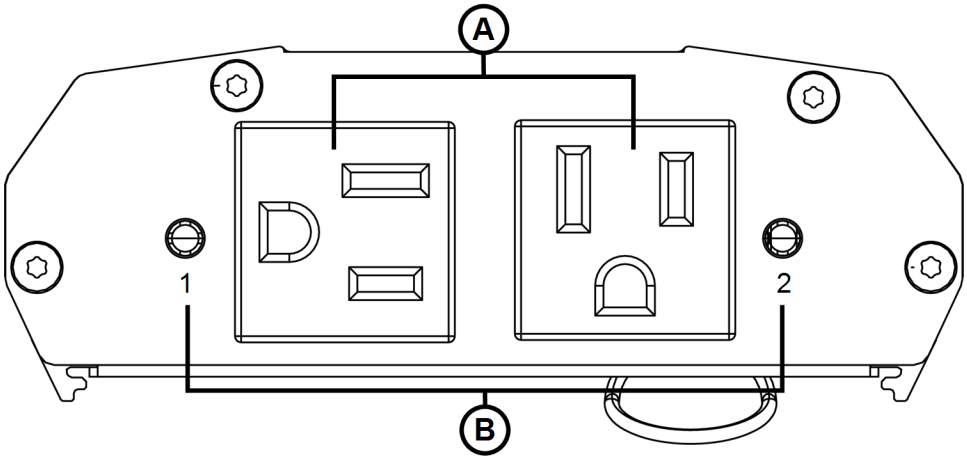
> **NOTE** You may need to reboot your computer for the new settings to take effect.

Understanding RackLink Model Feature Sets

Topics in this section use lettered callouts to label the features on the Front, Back, and Bottom sides of RackLink models and correspond with explanations further below.

RLNK-215 Feature Set

Front of RLNK-215

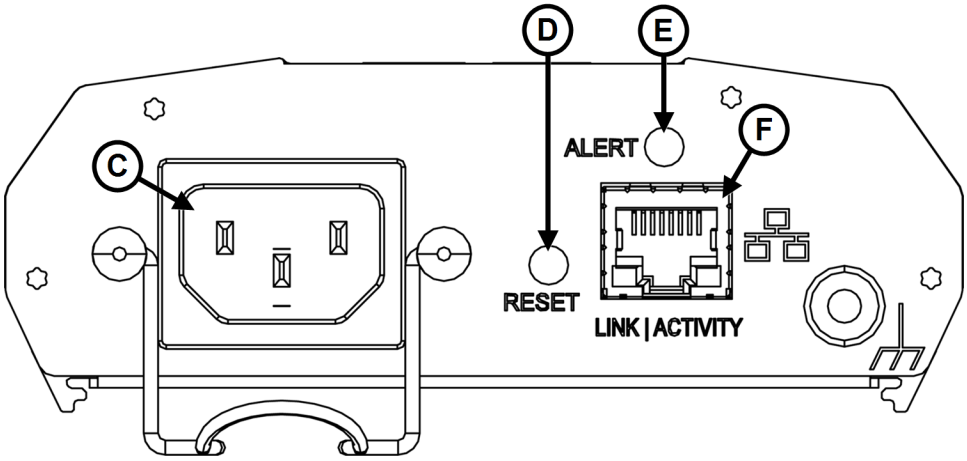


A. **Two Controlled Outlets**

B. **Integrated Controlled Outlet ON/OFF LED**: The LED illuminates green when the outlet is energized.

> **NOTE** Each controlled outlet has a numbered LED.

Back of RLNK-215



C. **IEC C14 Power Input**: 120V nominal, 12A (total load, all outlets), 60Hz input with cord retainer.

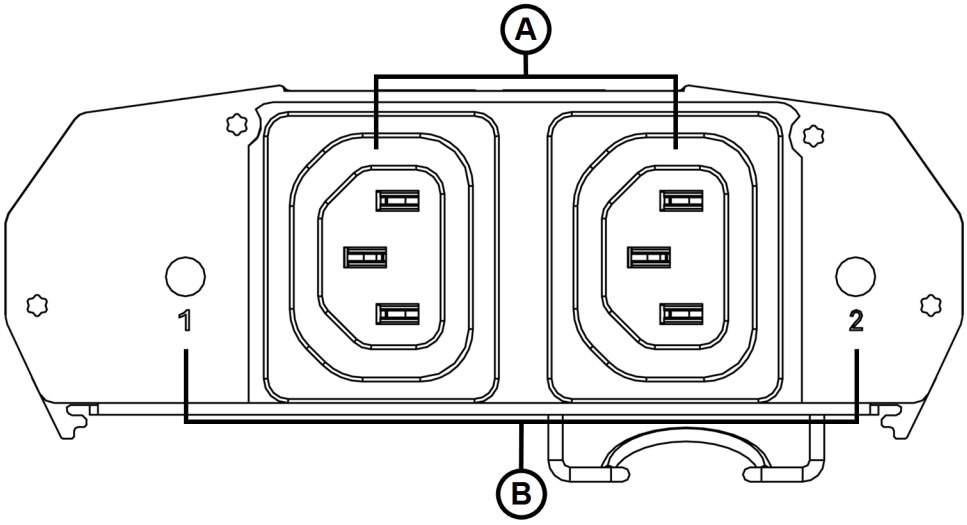
D. **Factory Reset Button**: Resets to DHCP and default passwords. For more information, see Configuring Network Settings, on page 130 and Configuring Passwords, on page 134.

E. **Alert LED**: The LED illuminates red when an alarm condition occurs (any AutoPing failure). For more information, see Configuring Email Settings, on page 120

F. **Ethernet Port (10/100)**: Used to connect to a network, requires a Cat5e cable (or better, not provided).

RLNK-210-IEC-NS Feature Set

Front of RLNK-210-IEC-NS

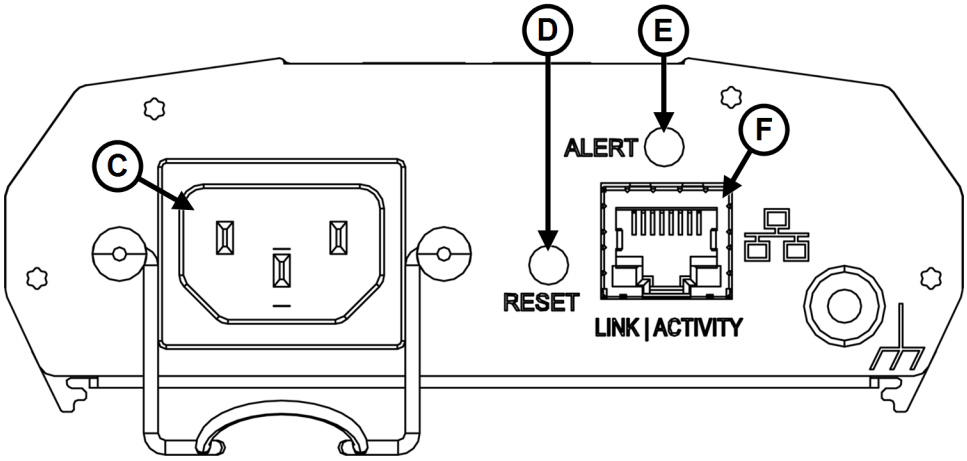


A. **Two Controlled Outlets**

B. **Integrated Controlled Outlet ON/OFF LED**: The LED illuminates green when the outlet is energized.

> **NOTE** Each controlled outlet has a numbered LED.

Back of RLNK-210-IEC-NS



C. **IEC C14 Power Input**: 100-240V nominal, 10A (total load, all outlets), 50-60Hz input with cord retainer.

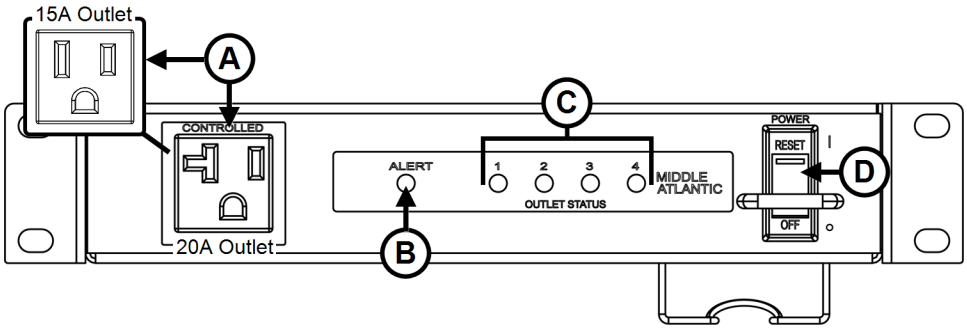
D. **Factory Reset Button**: Resets to DHCP and default passwords. For more information, see Configuring Network Settings, on page 130 and Configuring Passwords, on page 134.

E. **Alert LED**: The LED illuminates red when an alarm condition occurs (any AutoPing failure). For more information, see Configuring Email Settings, on page 120

F. **Ethernet Port (10/100)**: Used to connect to a network, requires a Cat5e cable (or better, not provided).

RLNK-415R and RLNK-420R Feature Sets

Front of RLNK-415R and RLNK-420R



A. **Controlled Outlet**

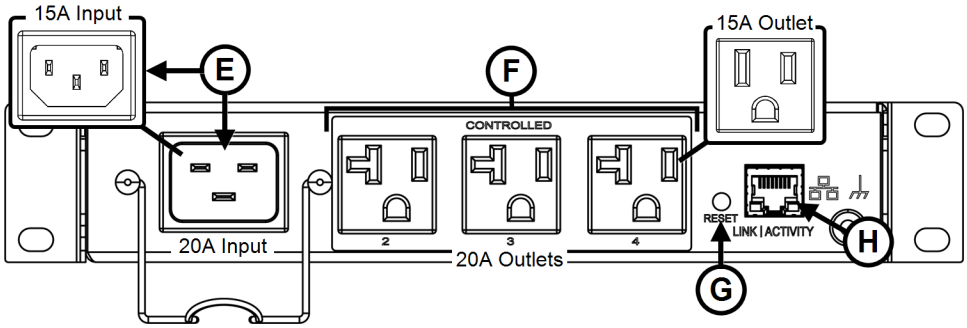
B. **Alert LED**: The LED illuminates red when an alarm condition occurs (any AutoPing failure). For more information, see Configuring Email Settings, on page 120

C. **Integrated Controlled Outlet ON/OFF LEDs**: The LED illuminates green when the outlet is energized.

> **NOTE** Each controlled outlet has a numbered LED.

D. **Integrated Power Switch/Circuit Breaker**

Back of RLNK-415R and RLNK-420R



E. **Power Input and Total Load**

- **IEC C14 Power Input on RLNK-415R**: 120V nominal, 12A (total load, all outlets), 60Hz input with cord retainer.
- **IEC C20 Power Input on RLNK-420R**: 120V nominal, 16A (total load, all outlets), 60Hz input with cord retainer.

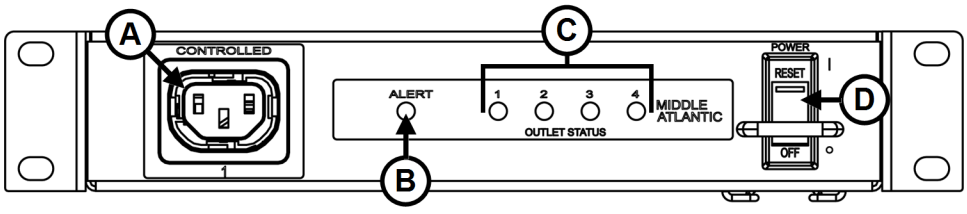
F. **Three Controlled Outlets**

G. **Factory Reset Button**: Resets to DHCP and default passwords. For more information, see Configuring Network Settings, on page 130 and Configuring Passwords, on page 134.

H. **Ethernet Port (10/100)**: Used to connect to a network, requires a Cat5e cable (or better, not provided).

RLNK-410R-IEC-NS Feature Set

Front of RLNK-410R-IEC-NS



A. **Controlled Outlet**

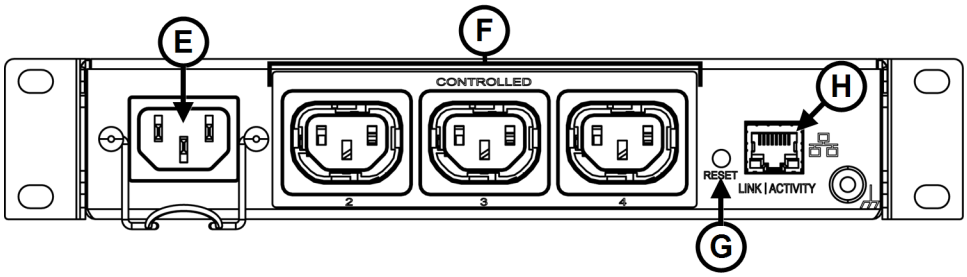
B. **Alert LED**: The LED illuminates red when an alarm condition occurs (any AutoPing failure). For more information, see Configuring Email Settings, on page 120

C. **Integrated Controlled Outlet ON/OFF LEDs**: The LED illuminates green when the outlet is energized.

> **NOTE** Each controlled outlet has a numbered LED.

D. **Integrated Power Switch/Circuit Breaker**

Back of RLNK-410R-IEC-NS



E. **IEC C14 Power Input**: 100-240V nominal, 10A (total load, all outlets), 50-60Hz input with cord retainer.

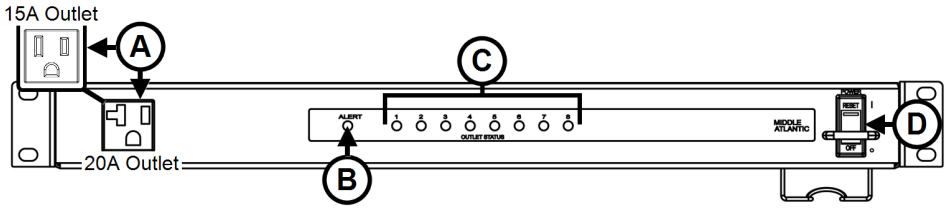
F. **Three Controlled Outlets**

G. **Factory Reset Button**: Resets to DHCP and default passwords. For more information, see Configuring Network Settings, on page 130 and Configuring Passwords, on page 134.

H. **Ethernet Port (10/100)**: Used to connect to a network, requires a Cat5e cable (or better, not provided).

RLNK-915R and RLNK-920R Feature Sets

Front of RLNK-915R and RLNK-920R



A. **Switched Outlet**: Controlled by the main power switch.

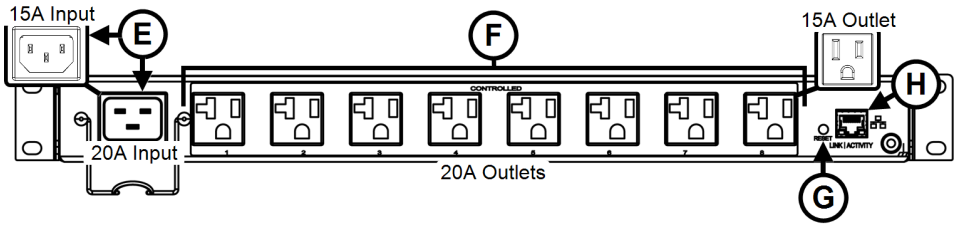
B. **Alert LED**: The LED illuminates red when an alarm condition occurs (any AutoPing failure). For more information, see Configuring Email Settings, on page 120

C. **Integrated Controlled Outlet ON/OFF LEDs**: The LED illuminates green when the outlet is energized.

> **NOTE** Each controlled outlet has a numbered LED.

D. **Integrated Power Switch/Circuit Breaker**

Back of RLNK-915R and RLNK-920R



E. **Power Input and Total Load**

- **IEC C14 Power Input on RLNK-915R**: 120V nominal, 12A (total load, all outlets), 60Hz input with cord retainer.
- **IEC C20 Power Input on RLNK-920R**: 120V nominal, 16A (total load, all outlets), 60Hz input with cord retainer.

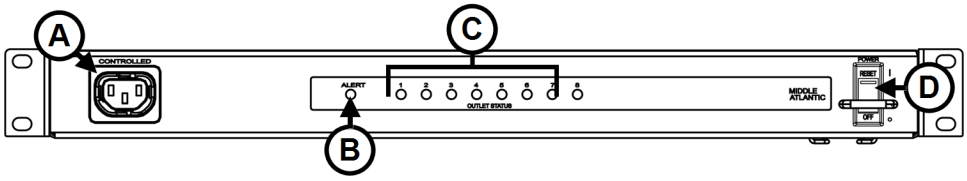
F. **Eight Controlled Outlets**

G. **Factory Reset Button**: Resets to DHCP and default passwords. For more information, see Configuring Network Settings, on page 130 and Configuring Passwords, on page 134.

H. **Ethernet Port (10/100)**: Used to connect to a network, requires a Cat5e cable (or better, not provided).

RLNK-910R-IEC-NS Feature Set

Front of RLNK-910R-IEC-NS



A. **Switched Outlet**: Controlled by the main power switch.

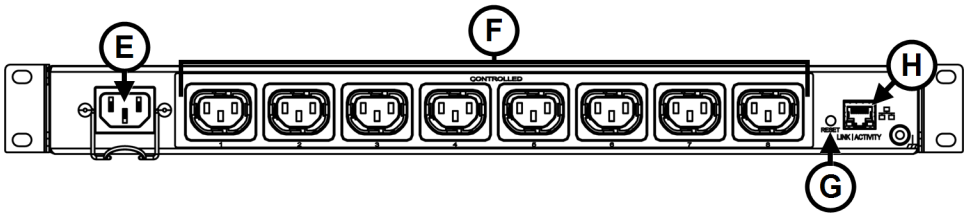
B. **Alert LED**: The LED illuminates red when an alarm condition occurs (any AutoPing failure). For more information, see Configuring Email Settings, on page 120

C. **Integrated Controlled Outlet ON/OFF LEDs**: The LED illuminates green when the outlet is energized.

> **NOTE** Each controlled outlet has a numbered LED.

D. **Integrated Power Switch/Circuit Breaker**

Back of RLNK-910R-IEC-NS



E. **IEC C14 Power Input**: 100-240V nominal, 10A (total load, all outlets), 50-60Hz input with cord retainer.

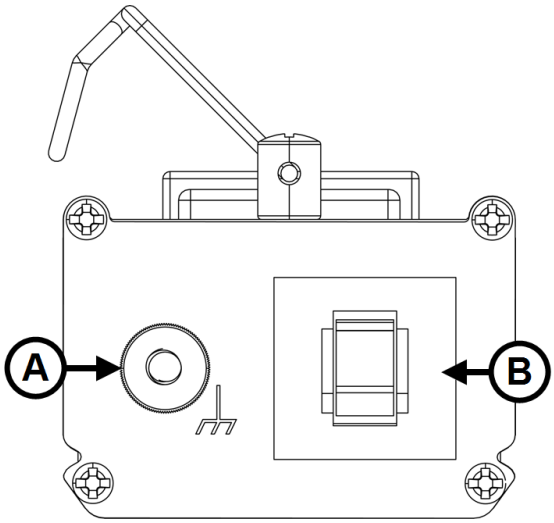
F. **Eight Controlled Outlets**

G. **Factory Reset Button**: Resets to DHCP and default passwords. For more information, see Configuring Network Settings, on page 130 and Configuring Passwords, on page 134.

H. **Ethernet Port (10/100)**: Used to connect to a network, requires a Cat5e cable (or better, not provided).

RLNK-1015V Feature Set

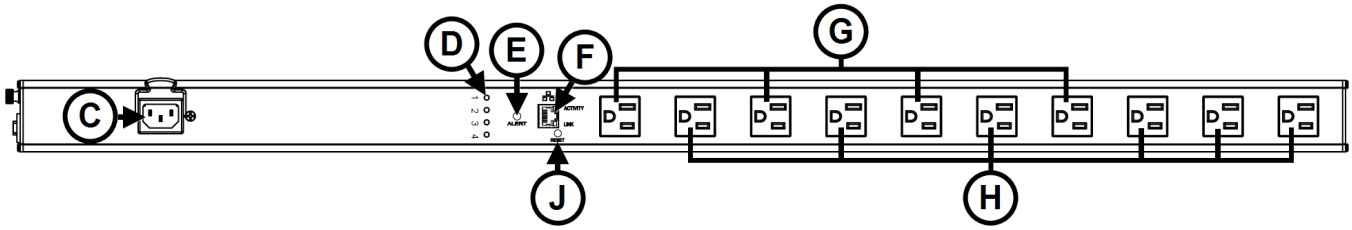
Bottom of RLNK-1015V



A. **Ground/Bond Stud**

B. **Circuit Breaker**

Front of RLNK-1015V



C. **IEC C14 Power Input**: 120V nominal, 12A (total load, all outlets), 60Hz input with cord retainer.

D. **Integrated Controlled Outlet ON/OFF LEDs**: The LED illuminates green when the outlet is energized.

> **NOTE** Each controlled outlet has a numbered LED.

E. **Alert LED**: The LED illuminates red when an alarm condition occurs (any AutoPing failure). For more information, see Configuring Email Settings, on page 120

F. **Ethernet Port (10/100)**: Used to connect to a network, requires a Cat5e cable (or better, not provided).

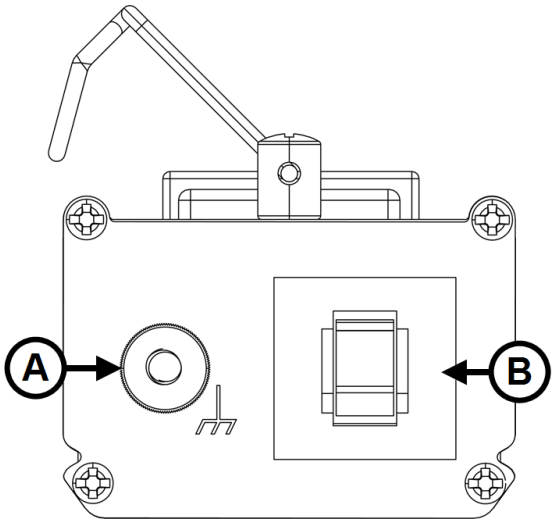
G. **Controlled Outlets**

H. **Switched Outlets**: Energized by the main power switch.

I. **Factory Reset Button**: Resets to DHCP and default passwords. For more information, see Configuring Network Settings, on page 130 and Configuring Passwords, on page 134.

RLNK-1615V Feature Set

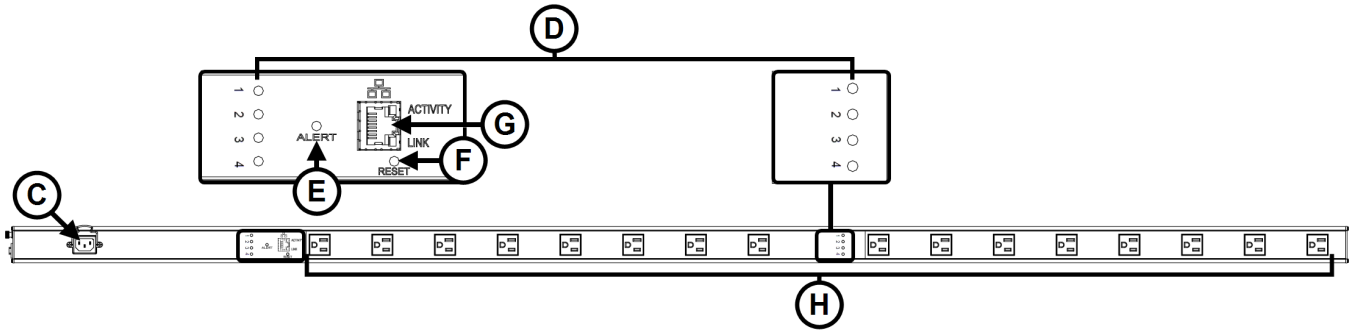
Bottom of RLNK-1615V



A. **Ground/Bond Stud**

B. **Circuit Breaker**

Front of RLNK-1615V



C. **IEC C14 Power Input**: 120V nominal, 12A (total load, all outlets), 60Hz input with cord retainer.

D. **Integrated Controlled Outlet ON/OFF LEDs**: The LED illuminates green when the outlet is energized.

> **NOTE** Each controlled outlet has a numbered LED.

E. **Alert LED**: The LED illuminates red when an alarm condition occurs (any AutoPing failure). For more information, see Configuring Email Settings, on page 120

F. **Factory Reset Button**: Resets to DHCP and default passwords. For more information, see Configuring Network Settings, on page 130 and Configuring Passwords, on page 134.

G. **Ethernet Port (10/100)**: Used to connect to a network, requires a Cat5e cable (or better, not provided).

H. **Sixteen Outlets**: Alternating upward from controlled to switched, respectively.

Using the Web Interface

The web interface allows you to control your RackLink device from a computer. You can access it from the Discovery Tool or by entering your RackLink device's IP address in a browser. For more information, see Setting Up Your RackLink Device for the First Time, on page 37.

NOTE Remaining images in this manual typically show the use of a RLNK-1015V and a RLNK-415R, among other models. Unless otherwise noted, model variations do not affect the procedures explained.

Accessing the Web Interface

1. Use a network cable (Cat 5 or better, not provided) to connect the network port on your device to the network at your location. Make sure your computer is connected to the same LAN as your device.
2. Download the Discovery Tool software from the Power Downloads page at: https://www.legrandav.com/resources/power-downloads.

   NOTE You may need to contact your administrator to install software on your computer.

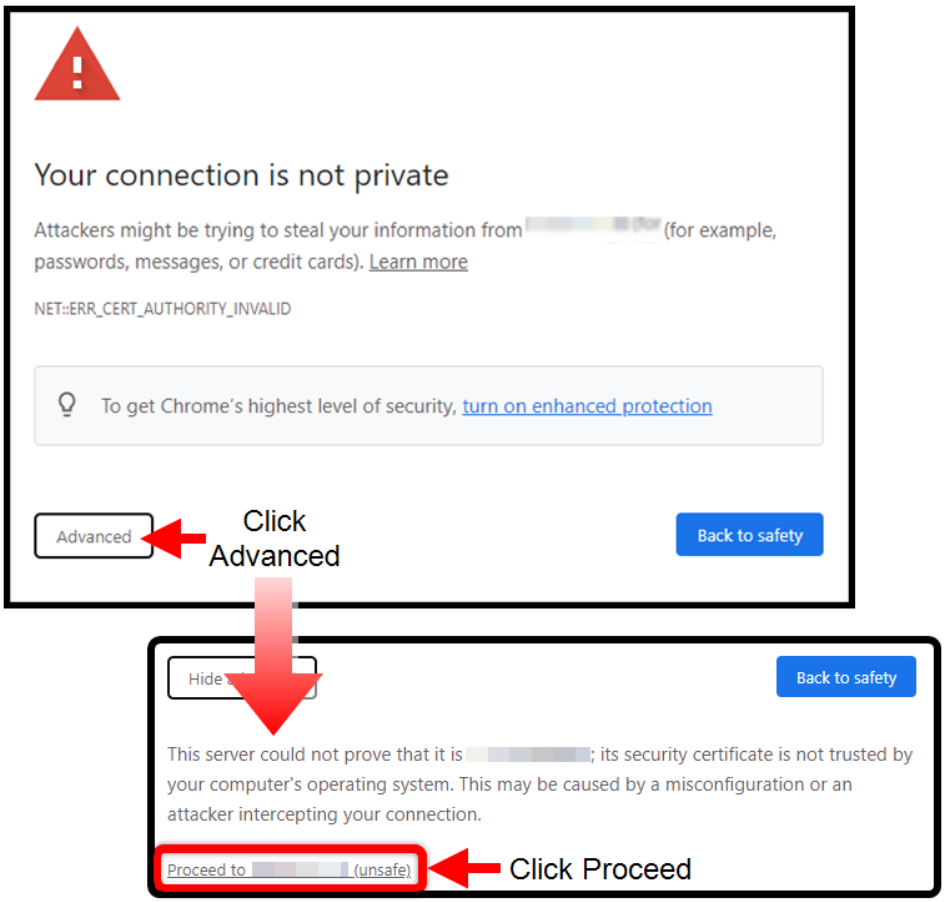
3. Open the RackLink Discovery Tool and click the **Discover** button to locate RackLink devices on your network.

   NOTE
   - You may need to configure or disable the firewall to discover your device.
   - If you have previously changed the host name or IP address of your network card, access the interface using your new settings.
   - Chrome is used as the web browser for the example shown in this topic. The procedures and images are similar if you use a different browser.

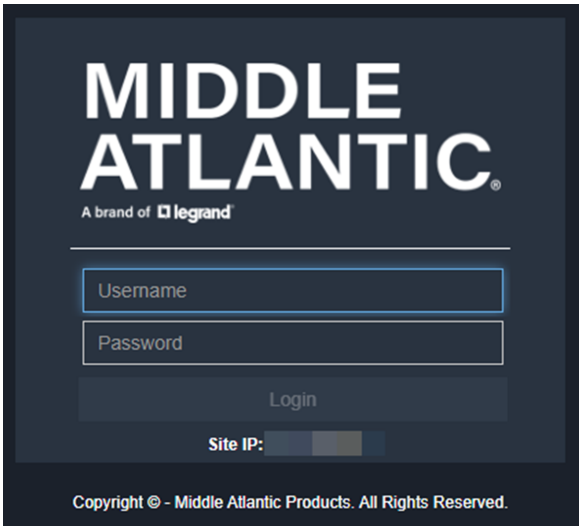
   The Discovery Tool opens a web browser and accesses your device IP address (default ip: **`192.168.1.201`**).

   For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

Click **Advanced** and then **Proceed** to bypass the security certificate warning (since locally issued certificates may be used at this point).



The web interface login appears and prompts you for credentials.



Log into the web interface with username: **admin** and password: **admin** default credentials.

The default names and passwords for the Administrator, User, and Control Systems accounts in your web interface, respectively, are as follows:

Administrator	Read Only User	Control System Account
Username: **admin**	Username: **user**	Username: **user**
Password: **admin**	Password: **user**	Password: **password**

NOTE

- If you are logging in for the first time using the administrator account, the Web Interface Utility makes you change the default passwords for all three accounts (for security purposes, you cannot use the defaults for this forced change) and makes you configure the system time settings. For more information, see Configuring Passwords, on page 134.
- If you have previously changed the username and password for any of the accounts, log in with the new settings.
- External devices access your RackLink's serial API through the Control System account. This account is not used to access the web interface.
- If you are still unable to connect to the web interface, see Troubleshooting, on page 146.

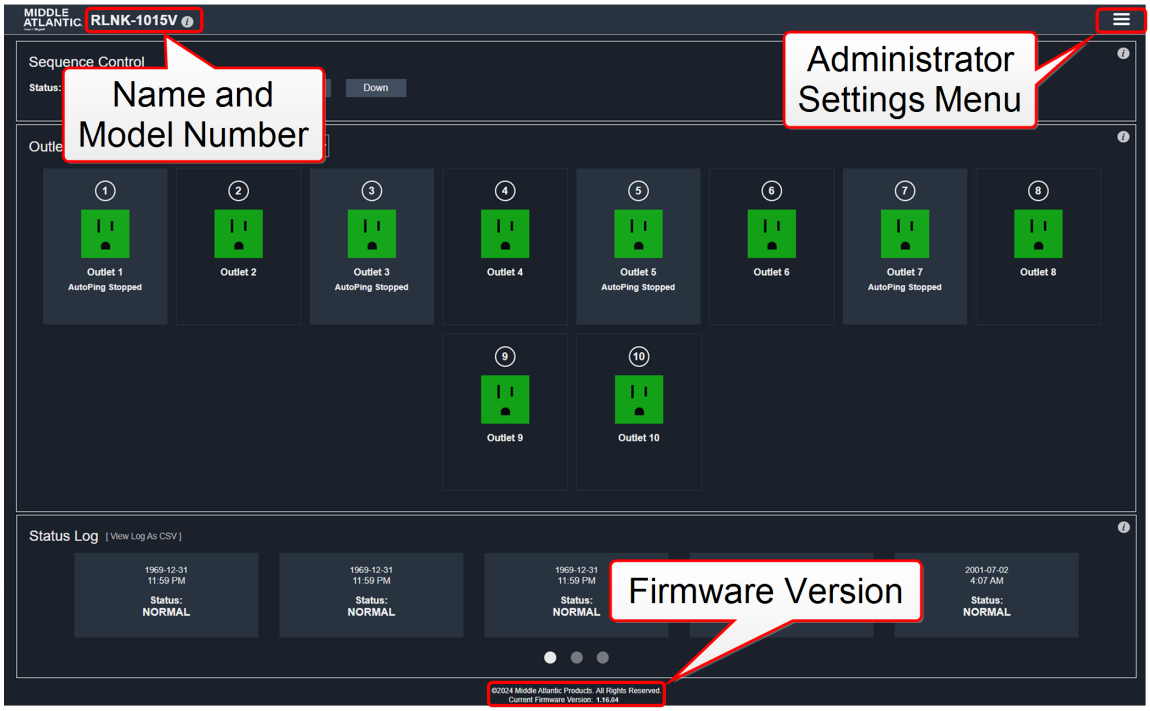
4. Enter the credentials for the account you wish to use.

Click **Login**.

The Dashboard appears.

Every screen of the web interface includes your connected RackLink device's name and model number, and firmware version with the facility code.

NOTE The Administrator Settings menu only appears when logged in using the Admin account. For more information, see Configuring Administrator Settings, on page 72.

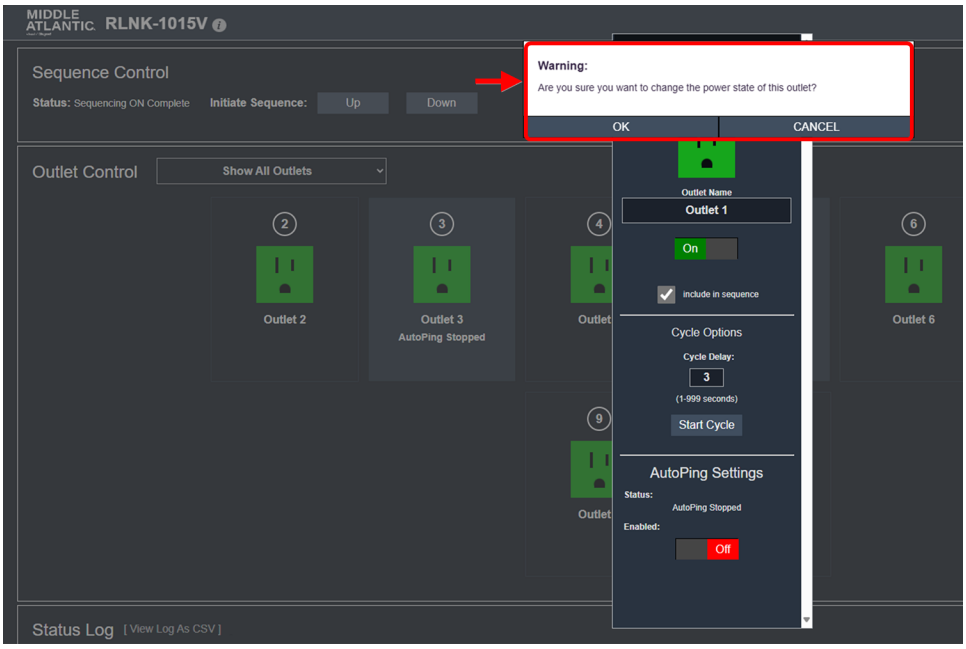


- Some screenshots have been slightly modified to improve legibility.
- The number of outlets appearing on the Dashboard is model specific. For more information, see Understanding RackLink Model Feature Sets, on page 43.
- The device name can be modified in the Administrator Settings. For more information, see Configuring Administrator Settings, on page 72.

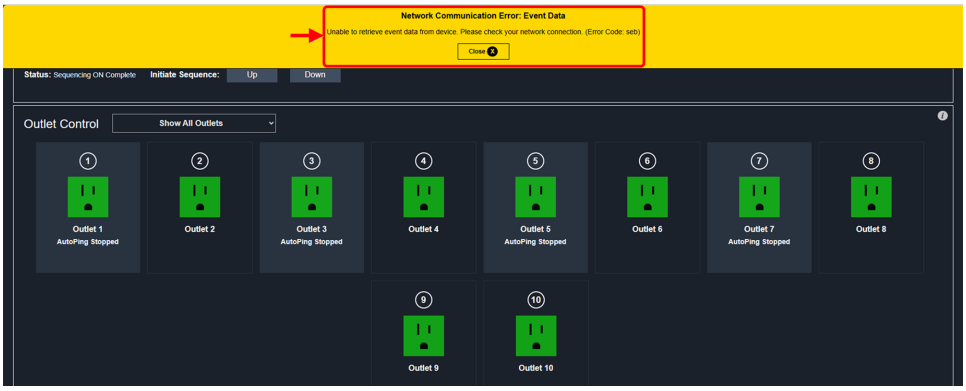
Understanding System Confirmations

While interacting with your device using the web interface, you'll notice the following types of system feedback.

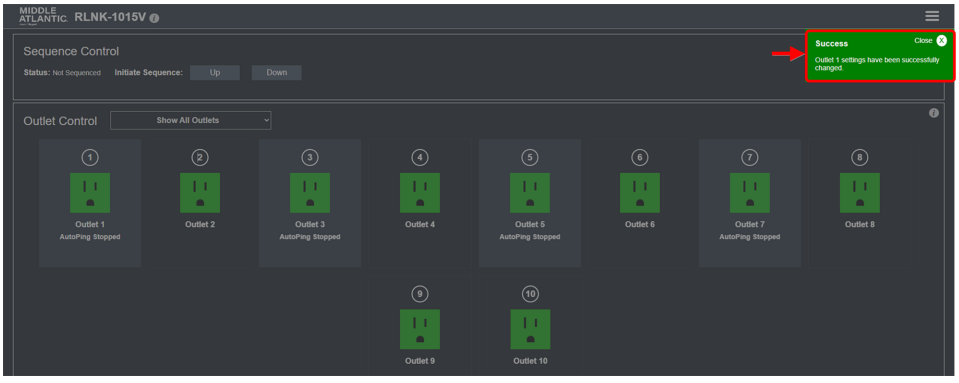
- Warnings appear as a prompt in the upper, middle part of the screen.



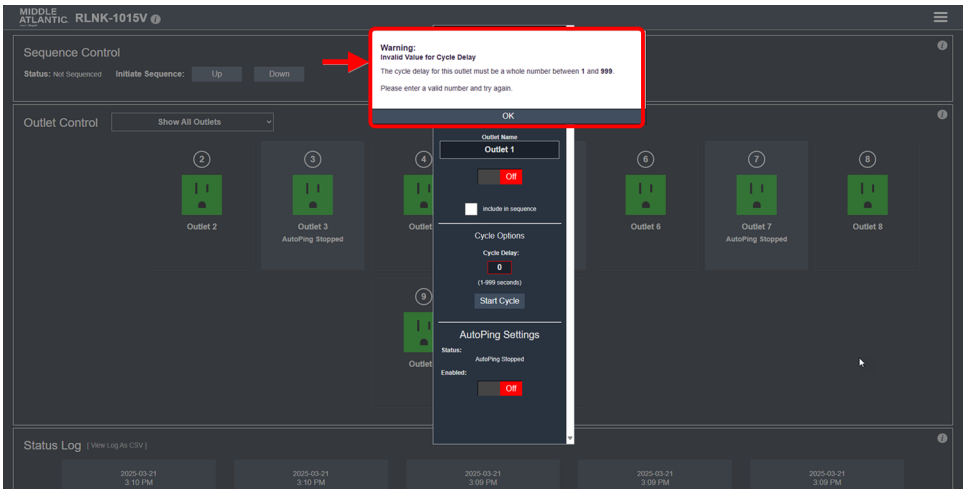
- Error notifications appear in a bar that comes down from the top of the screen.



- Messages in a box on the upper-right corner of the screen indicate that an action you performed was successful.



- Input validation is performed on all text input fields. The system highlights the field in red and provides a warning indicating the requirements for submitting a proper text input field value.



Viewing Help Information

1. Use the RackLink Discovery Tool and connect to a RackLink device.

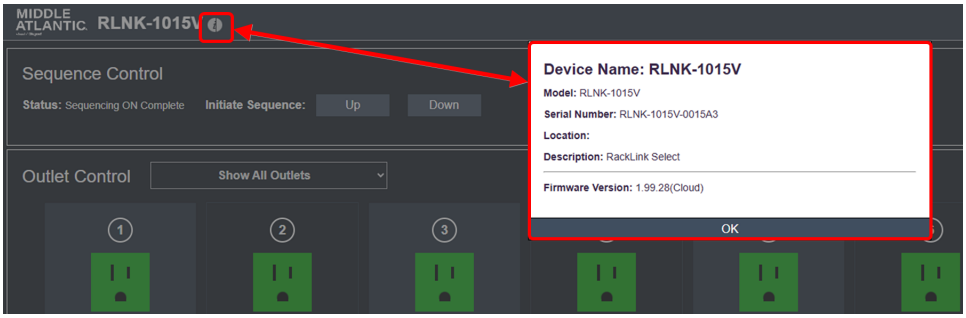
   For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

2. Enter the credentials for the account you wish to use.

   For more information, see Accessing the Web Interface, on page 53.

3. Click an Information icon.

   The corresponding help information appears.



4. Click **OK**.

Viewing and Configuring Information on the Dashboard

The Dashboard is the main interface and includes Sequence Control, Outlet Control, and Status Log sections.

Initiating a Sequence

1. Use the RackLink Discovery Tool and connect to a RackLink device.

   For more information, see .

2. Enter the credentials for the account you wish to use.

   For more information, see Accessing the Web Interface, on page 53.

3. View the sequence status information as follows:

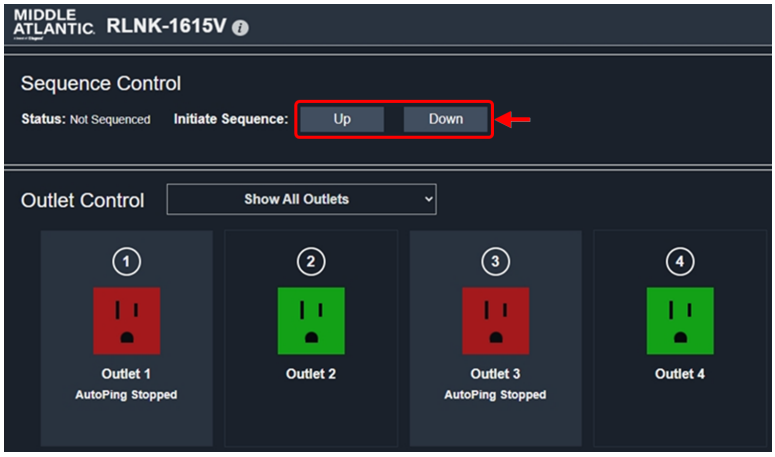
   - View the Status field to see the current sequence state. With sequencing disabled, the field shows "Not Sequenced" .

     If sequencing has not been initiated or if any sequenced outlet has changed state, the field shows "Not Sequenced" . Otherwise, one of the following statuses appear in this field:

     - Sequencing ON in Progress
     - Sequencing ON Complete
     - Sequencing OFF in Progress
     - Sequencing OFF Complete

4. Use the Initiate Sequence buttons to start a sequence as follows:

   - Click **Up** or **Down** to initiate a sequence to activate or deactivate the outlets (depending on the initial state of the outlets on your RackLink unit).



   Select Up or Down, and then adjust the delay.

In the Delay field, enter a delay value (in seconds) for the amount of time you wish to elapse between each controlled outlet in the sequence. The set delay time applies to all sequenced outlets and can be set from 0 - 255 seconds.

- Click **Initiate** after setting the delay.

Configuring Outlet Controls

1. Use the RackLink Discovery Tool and connect to a RackLink device.

   For more information, see Using the RackLink Discovery Tool on a PC, on page 1.

2. Enter the credentials for the account you wish to use.

   For more information, see Accessing the Web Interface, on page 53.

   The Dashboard appears.

3. At the top of the Outlet Control section of the screen, the outlet drop-down provides the following viewing choices:

   - Show All Outlets
   - Show In Sequence Outlets Only
   - Show AutoPing Enabled Outlets Only
   - Show Controlled Outlets Only

Click a controlled outlet under the outlet drop-down to access the following additional outlet settings

NOTE Outlet, Cycle Option, and AutoPing settings all appear on a single outlet dialog. For clarity, respective steps in this topic explain how each setting is used.

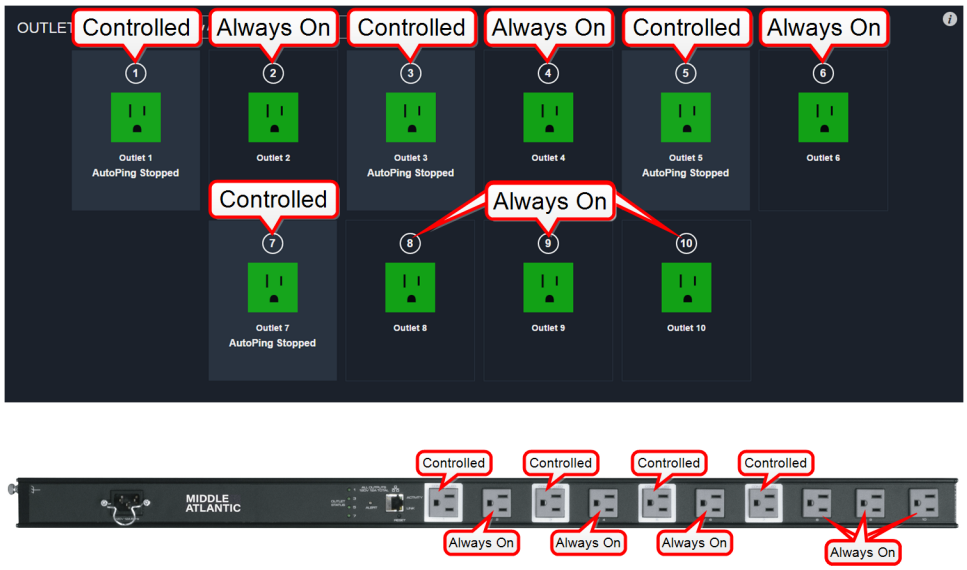
- The Number indicates the outlet number on your RackLink device.
- In the Device name field, modify the device name, as desired.

  NOTE Number and Device name are shown for Always On outlets. Controlled outlets have additional options as explained in the remainder of this topic.

- Use the On/Off switch to activate or deactivate the controlled outlet, as desired.

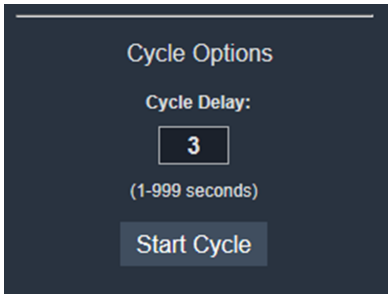
  NOTE Vertical RackLink models (RLNK-1015V and RLNK-1615V) start with a controlled outlet and then alternate with always on outlets down the unit. The dashboard shows the alternating controlled outlets.

On the RLNK-1015V model, shown below, the last three outlets are always on.



- Select the Include in Sequence check box to include or exclude the specific controlled outlet as part of the overall sequence. This option is selected by default.

4. The following cycle option settings appear in the Cycle Options section:

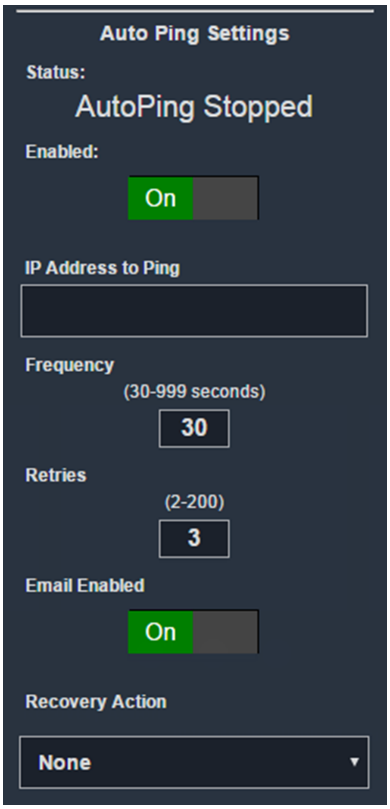


NOTE Outlet, Cycle Option, and AutoPing settings all appear on a single outlet dialog. For clarity, respective steps in this topic explain how each setting is used.

- In the Cycle Delay field, enter a cycle delay value (1 - 999 seconds with a 3 second default), as desired.
- Click **Start Cycle** to cycle the outlet power one time only when the outlet is on.

NOTE New commands received on a given outlet will override the cycle command.

The following AutoPing settings appear in the AutoPing section.



NOTE Outlet, Cycle Option, and AutoPing settings all appear on a single outlet dialog. For clarity, respective steps in this topic explain how each setting is used.

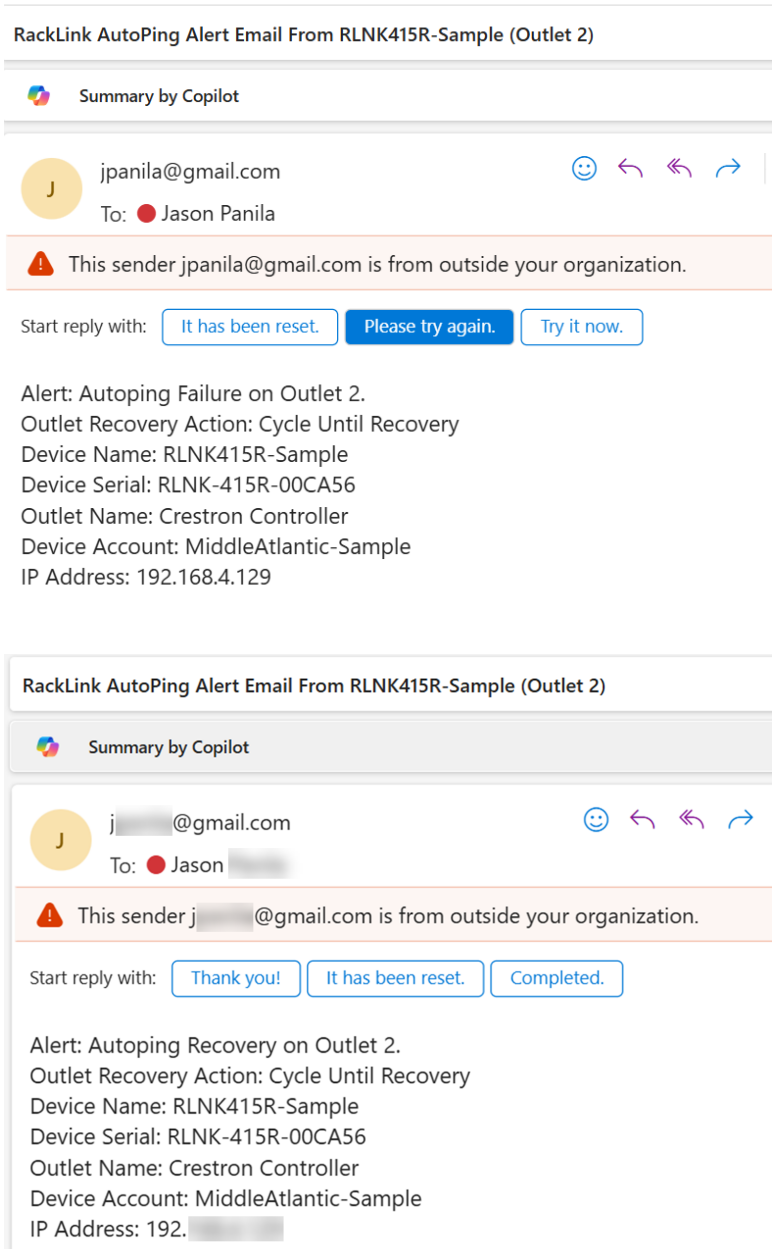
- AutoPing settings may be used to configure your RackLink device to automatically Ping another IP address and create actions in the event of a failure.
- In the Status display field, view the current status of communication between your Ping device and your RackLink device outlet. You can see the status from the dashboard and in the outlet details. The statuses and corresponding text color indicate the following:
  - AutoPing Replied (Green)
  - AutoPing Failed (Red)
  - AutoPing not started (White)
  - Attempting communication... (White)
  - Starting AutoPing... (White)
  - Stopping AutoPing... (White)

- AutoPing Stopped (White)
- No status (White)

NOTE The Alert LED is red if any outlet has a failed AutoPing, or green if all outlets indicate AutoPing replied.

- In the IP Address field, enter the IP address of the Ping device.
- In the Enabled field, select to turn AutoPing On or Off for the specific outlet.
- In the Frequency field, enter how often (in seconds) your RackLink device initiates an AutoPing. You can configure 30 - 999 seconds and the default is 30.
- In the Retries field, enter the number of times your RackLink device will Ping the preset address if no response is received. You can configure 2 - 200 retries and the default is 3. For example, using the default settings with a Frequency of 30 seconds and three Failures, the device being Pinged would need to be offline for 90 seconds before the recovery action is executed.

In the Email Enabled field, select to turn email notifications On or Off for the specific AutoPing settings you configured for the outlet. Auto-ping emails look similar to the following images. Auto-ping email notifications are for outlet failure and recovery types. Recovery actions for either type vary based on the specific setting you make for the corresponding Recovery Action field explained in the remainder of this topic.



For more information, see Configuring Email Settings, on page 120.

In the Recovery Action drop-down field, select a desired outlet action while the configured Ping device does not reply. The actions cease whenever the Ping device does reply. The actions include the following:

- Power-cycle Until Recovery
- Power-cycle Once
- Power Off Pending Recovery
- Power Off
- Power On Pending Recovery
- Power On

NOTE Only one action per outlet can be performed at a time.

- In the Cycle Time field, enter a cycle time delay value (in seconds) for the specific AutoPing recovery action. You can configure the delay to be between 1 - 999 (inclusive) seconds and the default is 3.

NOTE The Cycle Time option only appears when the Power-cycle Until Recovery action is selected.

5. Click **Save**.

TIP To restore the default settings, see Restoring Factory Defaults, on page 124.

Viewing Status Log Information

1. Use the RackLink Discovery Tool and connect to a RackLink device.

   For more information, see .

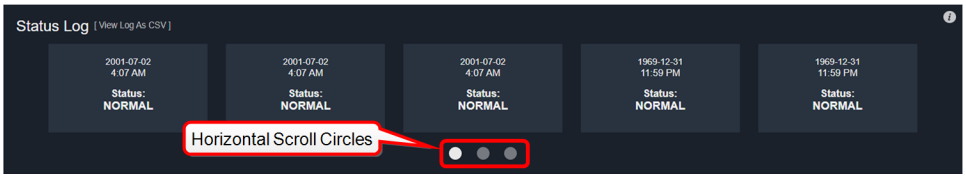
2. Enter the credentials for the account you wish to use.

   For more information, see Accessing the Web Interface, on page 53.

   The Dashboard appears.

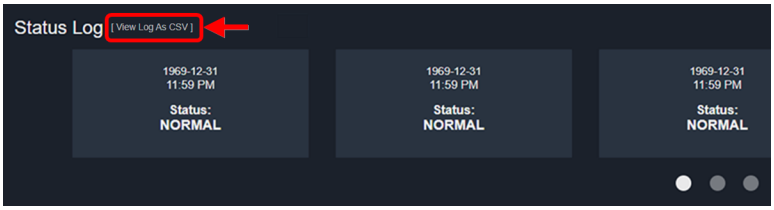
   The Status Log section of the screen includes log entries for events taking place in your RackLink device.

NOTE Click the circles to scroll horizontally and access any additional logs.



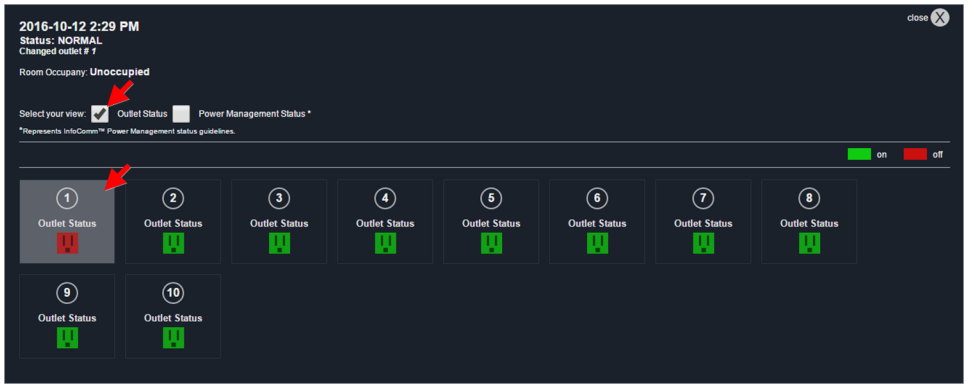
3. Logs shown on the dashboard provide the following data:
   - Date, Time, and Status (of the log event).

     Log entry statuses indicate the following reasons:
     - Normal Event
     - AutoPing Fault
     - AutoPing Recovery
4. Click a log entry to view log entry details.
   - The date, time and status appear on the details screen.
   - The outlet that changed is listed and visually highlighted on the details screen.
   - The Room Occupancy field shows the current occupancy status as set by the control system.
   - Select the Include in Sequence check box to include or exclude the specific controlled outlet as part of the overall sequence. This option is selected by default.
5. Click the **View Log As CSV** link to download a file containing all the log details for your device.



Adjust your log details view from the following options:

- Select the Outlet Status option to show the state of each outlet at the time of the event. The highlighted outlet is the one changed by the specific event.



The Outlet statuses are as follows:

  - On
  - Off

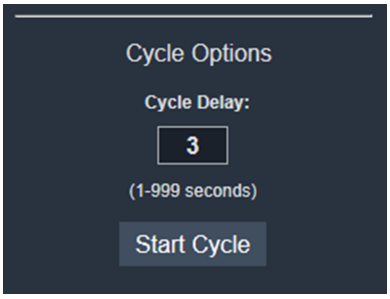
- Select the Power Management Status option to view the InfoComm™ Power Management Statuses at the time of the event.

The InfoComm Power Management Statuses are as follows:

  - On
  - Off
  - Cycle/Standby
  - Disconnected
  - Unknown

> **NOTE** For more information about the InfoComm Audiovisual Systems Energy Management Standard, refer to https://www.avixa.org/standards/energy-management-for-audiovisual-systems.

- Select the Include in Sequence check box to include or exclude the specific controlled outlet as part of the overall sequence. This option is selected by default.

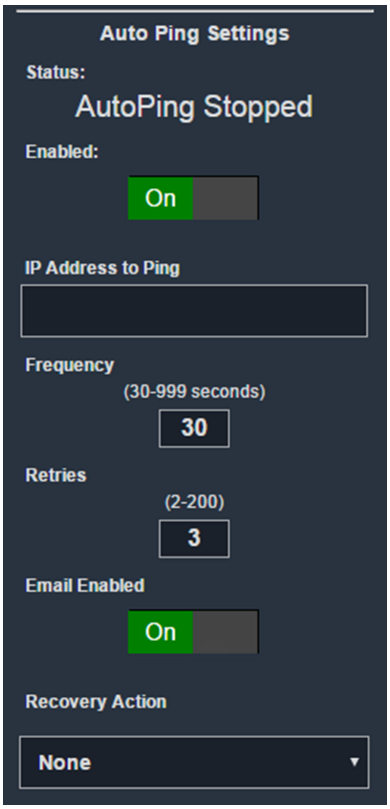


> **NOTE** Outlet, Cycle Option, and AutoPing settings all appear on a single outlet dialog. For clarity, respective steps in this topic explain how each setting is used.

- In the Cycle Delay field, enter a cycle delay value (1 - 999 seconds with a 3 second default), as desired.
- Click **Start Cycle** to cycle the outlet power one time only when the outlet is on.

> **NOTE** New commands received on a given outlet will override the cycle command.

The following AutoPing settings appear in the AutoPing section.



NOTE Outlet, Cycle Option, and AutoPing settings all appear on a single outlet dialog. For clarity, respective steps in this topic explain how each setting is used.

- AutoPing settings may be used to configure your RackLink device to automatically Ping another IP address and create actions in the event of a failure.
- In the Status display field, view the current status of communication between your Ping device and your RackLink device outlet. You can see the status from the dashboard and in the outlet details. The statuses and corresponding text color indicate the following:
  - AutoPing Replied (Green)
  - AutoPing Failed (Red)
  - AutoPing not started (White)
  - Attempting communication... (White)
  - Starting AutoPing... (White)
  - Stopping AutoPing... (White)

- AutoPing Stopped (White)
- No status (White)

NOTE The Alert LED is red if any outlet has a failed AutoPing, or green if all outlets indicate AutoPing replied.

- In the IP Address field, enter the IP address of the Ping device.
- In the Enabled field, select to turn AutoPing On or Off for the specific outlet.
- In the Frequency field, enter how often (in seconds) your RackLink device initiates an AutoPing. You can configure 30 - 999 seconds and the default is 30.
- In the Retries field, enter the number of times your RackLink device will Ping the preset address if no response is received. You can configure 2 - 200 retries and the default is 3. For example, using the default settings with a Frequency of 30 seconds and three Failures, the device being Pinged would need to be offline for 90 seconds before the recovery action is executed.
- In the Email Enabled field, select to turn email notifications On or Off for the specific AutoPing from your outlet.

  For more information, see Configuring Email Settings, on page 120.
- In the Recovery Action drop-down field, select a desired outlet action while the configured Ping device does not reply. The actions cease whenever the Ping device does reply. The actions include the following:
  - Power-cycle Until Recovery
  - Power-cycle Once
  - Power Off Pending Recovery
  - Power Off
  - Power On Pending Recovery
  - Power On

NOTE Only one action per outlet can be performed at a time.

- In the Cycle Time field, enter a cycle time delay value (in seconds) for the specific AutoPing recovery action. You can configure the delay to be between 1 - 999 (inclusive) seconds and the default is 3.

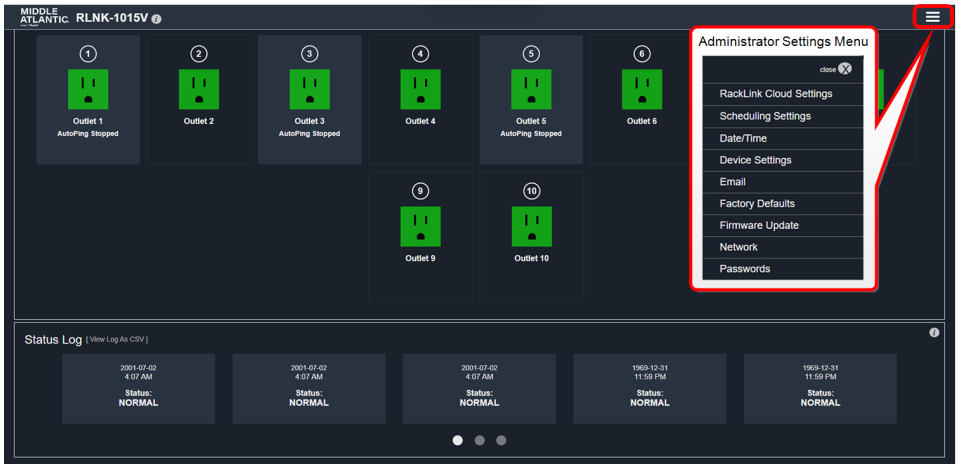
> **NOTE** The Cycle Time option only appears when the Power-cycle Until Recovery action is selected.

6. Click **Save**.

> **TIP** To restore the default settings, see Restoring Factory Defaults, on page 124.

Configuring Administrator Settings

Features on the Administrator Settings menu include RackLink Cloud Settings, Date/Time, Device Settings, Email, Factory Defaults, Firmware Update, Network, and Passwords.



Logging in to the Administrator Settings Menu

> **NOTE** The Administrator Settings menu is only accessible when logged in using the Admin account. If you are logged into the User account, the Administrator Settings menu still appears in the upper-right corner of the screen, however, you are prompted to log in using the Admin account after clicking any of the options.

1. Use the RackLink Discovery Tool and connect to a RackLink device.

   For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

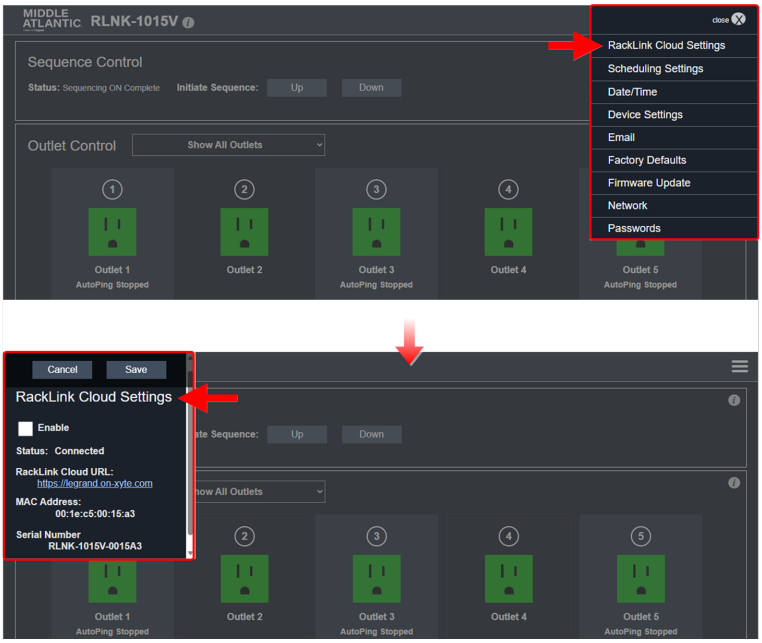
2. Log in using the Admin account to access the Administrator Settings menu.

   For more information, see Accessing the Web Interface, on page 53.

The Dashboard appears.

3. You can now access the Administrator Settings menu on the upper-right side of the screen.

> **NOTE** When you select Administrator Setting menu items, corresponding screens fly-in from the left side of the Dashboard.



Understanding the RackLink Cloud Service

RackLink Cloud, built on Xyte™, and hosted on Amazon Web Services (AWS), is the premier remote power management system offering device-level control. It enables significant cost savings by eliminating on-site visits for routine tasks. With no extra equipment needed, you can monitor and manage your Select Series PDU with RackLink™, Premium+ Series PDU with RackLink™, NEXSYS™ Line Interactive UPS, and NEXSYS™ Online UPS devices from anywhere in the world. RackLink Cloud ensures robust data security and privacy, complying with international standards, including GDPR, and follows Privacy by Design principles.

For more details, refer to the following resources:

- The RackLink Cloud product page at https://www.legrandav.com/products/power/intelligent_power/racklink-cloud.
- Xyte's Privacy Policy at https://www.xyte.io/privacy-policy.
- The AWS Cloud Security page at https://aws.amazon.com/security.

RackLink Cloud Network Requirements

- Your RackLink device must have an outgoing connection via the Ethernet port.

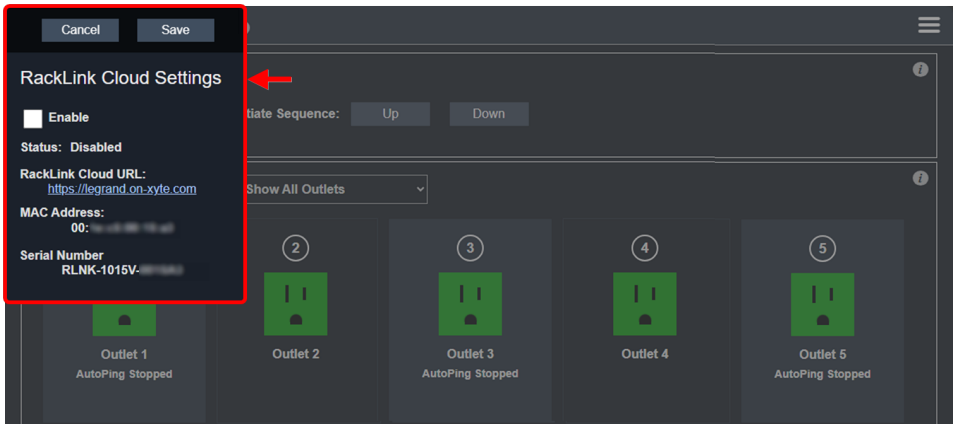
  For more information, see Understanding RackLink Model Feature Sets, on page 43.
- Outgoing connections accessing RackLink Cloud services require SSL port 443 enabled for all *.xyte.io domains.
- Devices without direct internet access must use a proxy server when connecting to *.xyte.io domains.
- Any network restrictions on these domains may result in RackLink Cloud communication issues.

For more information, contact support at success@xyte.io, support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901.

Enabling, Registering, and Claiming Your Device in the Cloud

Use the following steps to enable Cloud Services on your product. Then, use the device information displayed on the screen when accessing the RackLink Cloud website (link also displayed on the screen), creating a customer account, and claiming your device in the cloud system.

NOTE Many cloud topic images come from a RackLink Select 1015 model PDU. Procedures and images are similar for other cloud-enabled products unless otherwise noted.



1. Use the RackLink Discovery Tool and connect to a RackLink device.

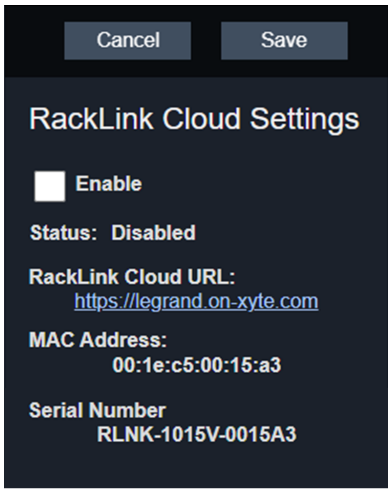
   For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

2. Log in using the Admin account to access the Administrator Settings menu.

   For more information, see Accessing the Web Interface, on page 53.

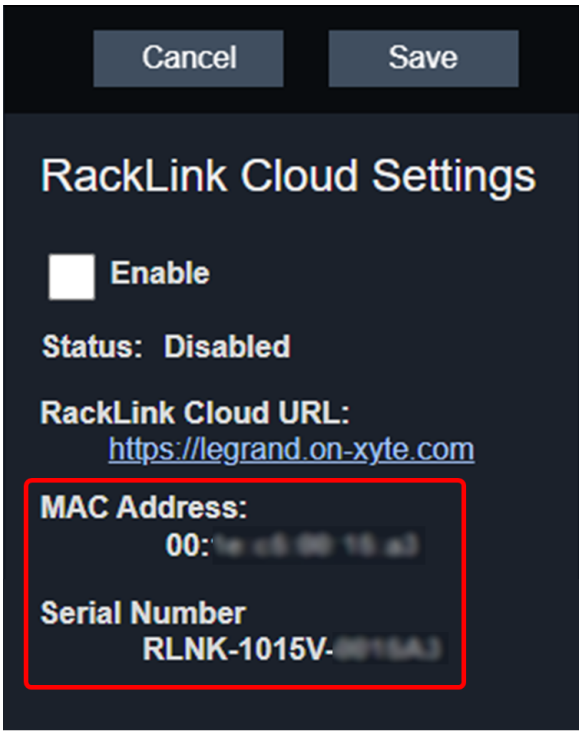
3. Click **RackLink Cloud Settings** on the Administrator Settings menu.

The RackLink Cloud Settings screen appears.



4. Select the **Enable** check box to enable the cloud service on your PDU.
5. The Status section of the screen initially appears with a Disabled status. Once the Enable check box is selected, this field displays different statuses for your cloud services connection as follows:
   - **Disabled**: The Cloud service is disabled on your PDU.
   - **Disconnected**: The Cloud service is enabled on your PDU. Access the RackLink Cloud using the URL provided in the interface at: https://legrand.on-xyte.com and claim your device in the cloud system.
   - **Connected**: The Cloud service is enabled on your PDU, and your device is claimed from and connected to the cloud system.

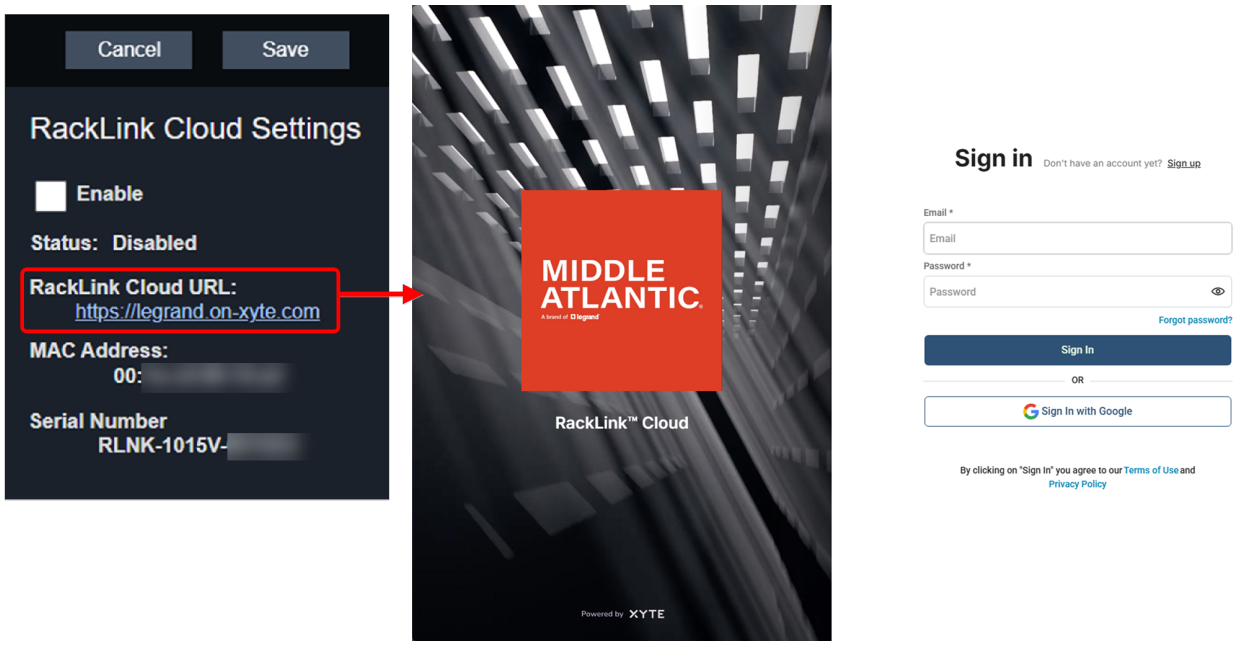
Notice the displayed MAC Address and Serial Number of your PDU for easy reference when claiming your device in the RackLink Cloud system.



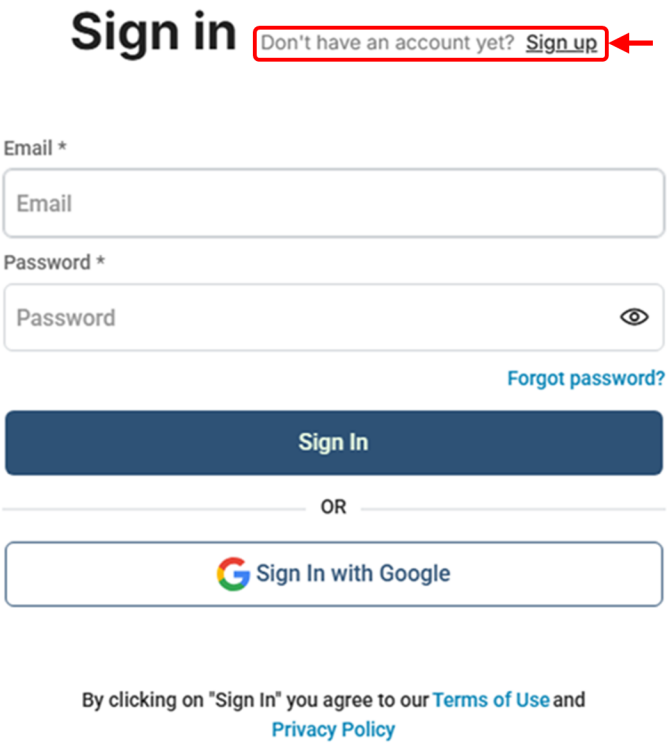
NOTE MAC Addresses and Serial Numbers are used to claim most devices. In other cases, a Cloud ID is provided for device claiming. The rest of the device registration and claiming process is the same.

6. Click **Save**.
7. Click the RackLink Cloud URL at https://legrand.on-xyte.com to access the system, register, and claim your device.

The RackLink Cloud sign in screen appears.

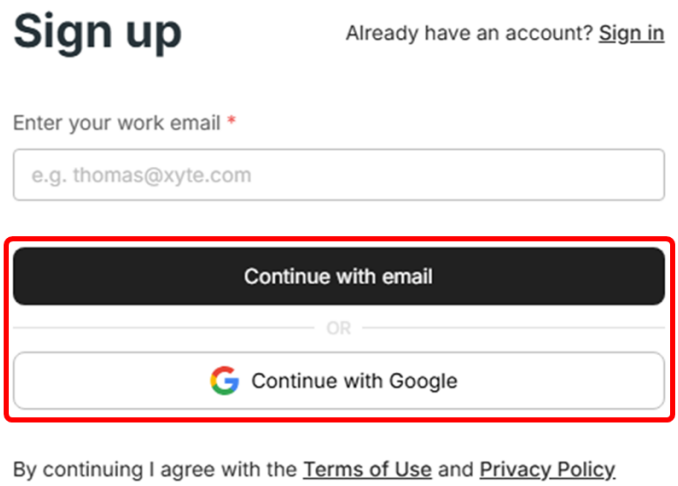


8. Click the Sign up link on the upper-right section of the screen.

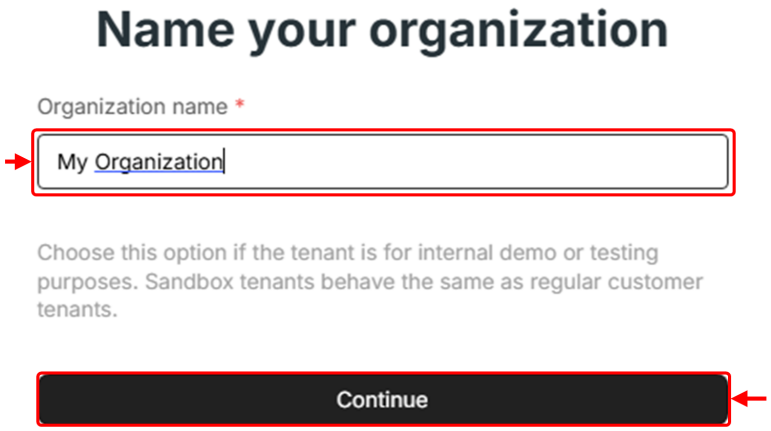


The RackLink Cloud sign up screen appears.

9. Provide an email address or use a Google account, as desired, and click **Continue with email** or **Continue with Google**, accordingly.

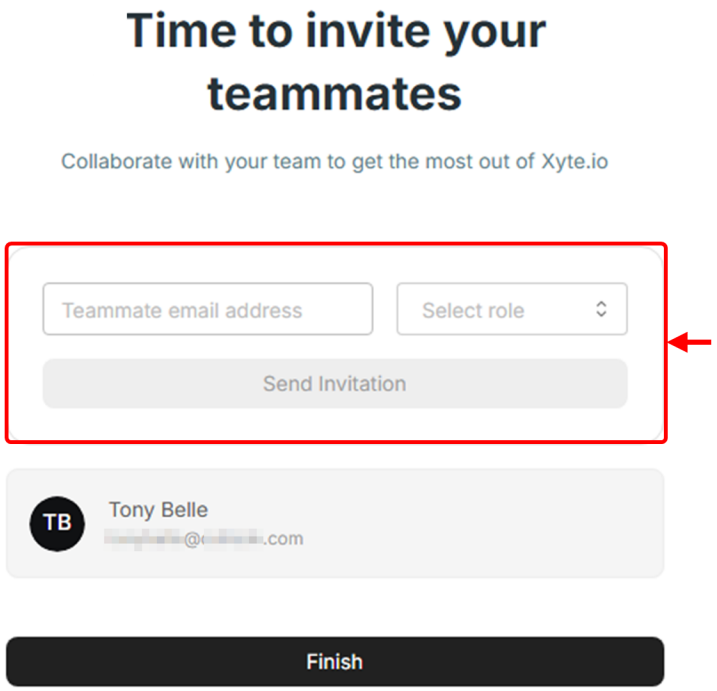


10. The system asks you to name your organization. In the Organization name field, provide an organization name, as desired, and click **Continue**.

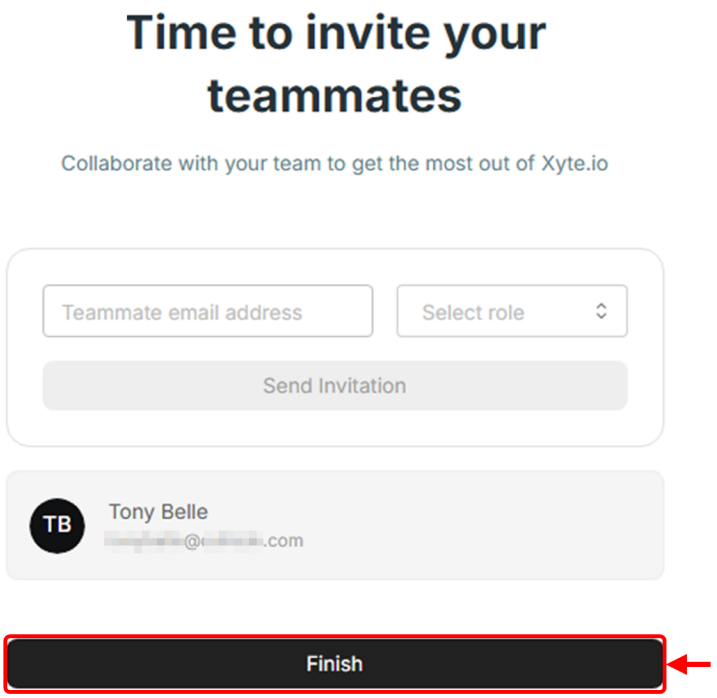


11. The system then asks you to invite teammates to your RackLink Cloud organization.

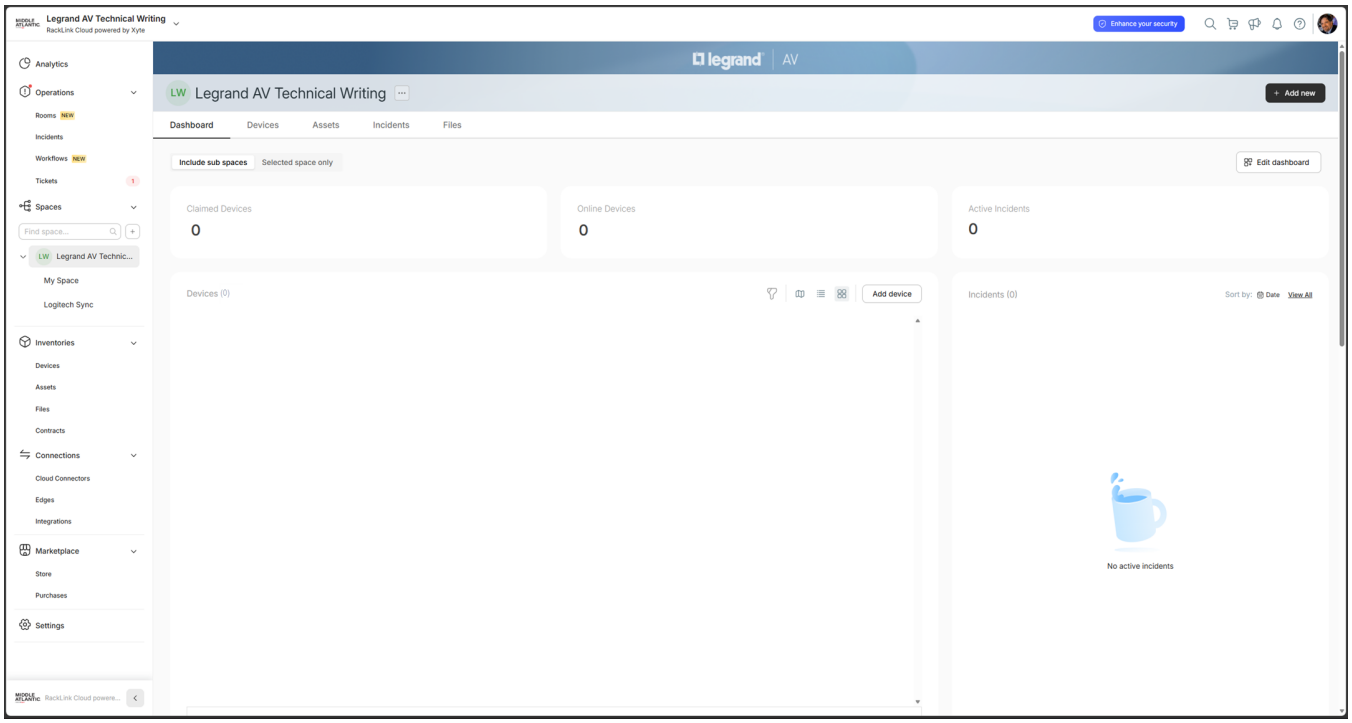
If you wish to invite teammates, provide values in the Teammate email address and Select role fields, as desired, and click **Send Invitation**.



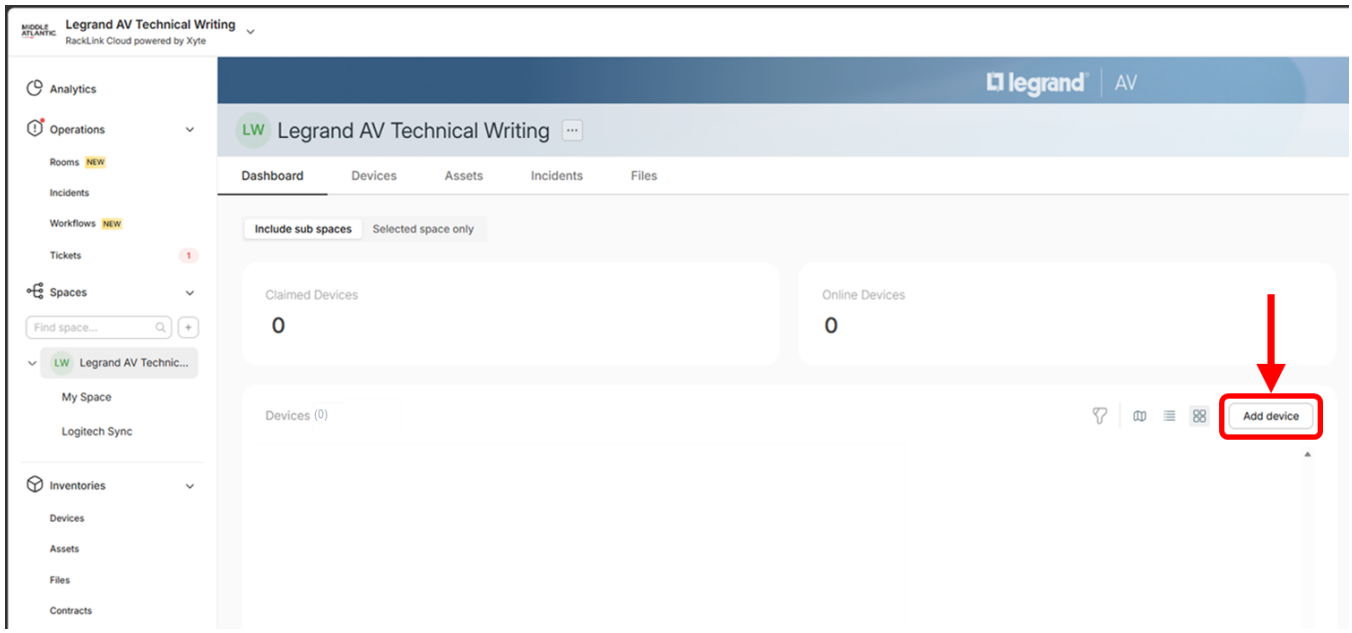
12. Provide teammate email addresses and assign roles, if desired.
13. Click **Finish**.



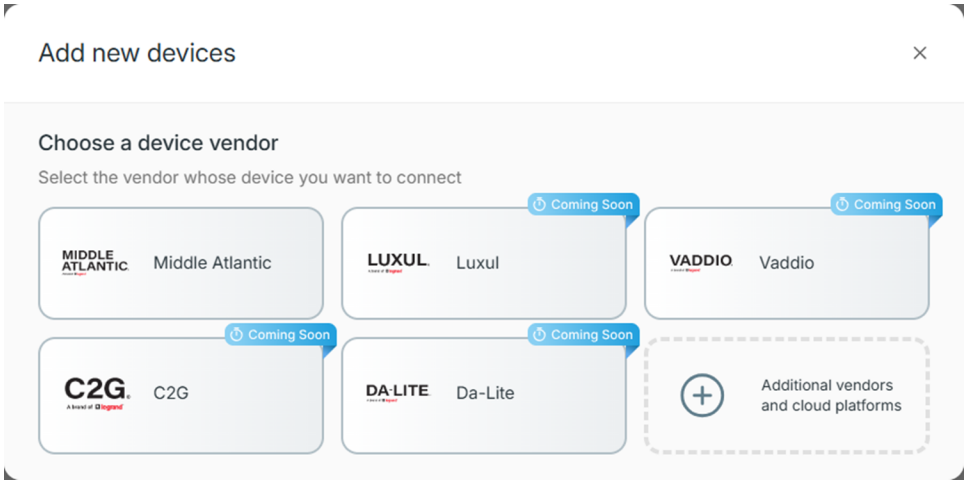
The RackLink Cloud Overview screen for your organization appears.



Click **Add device** as shown.

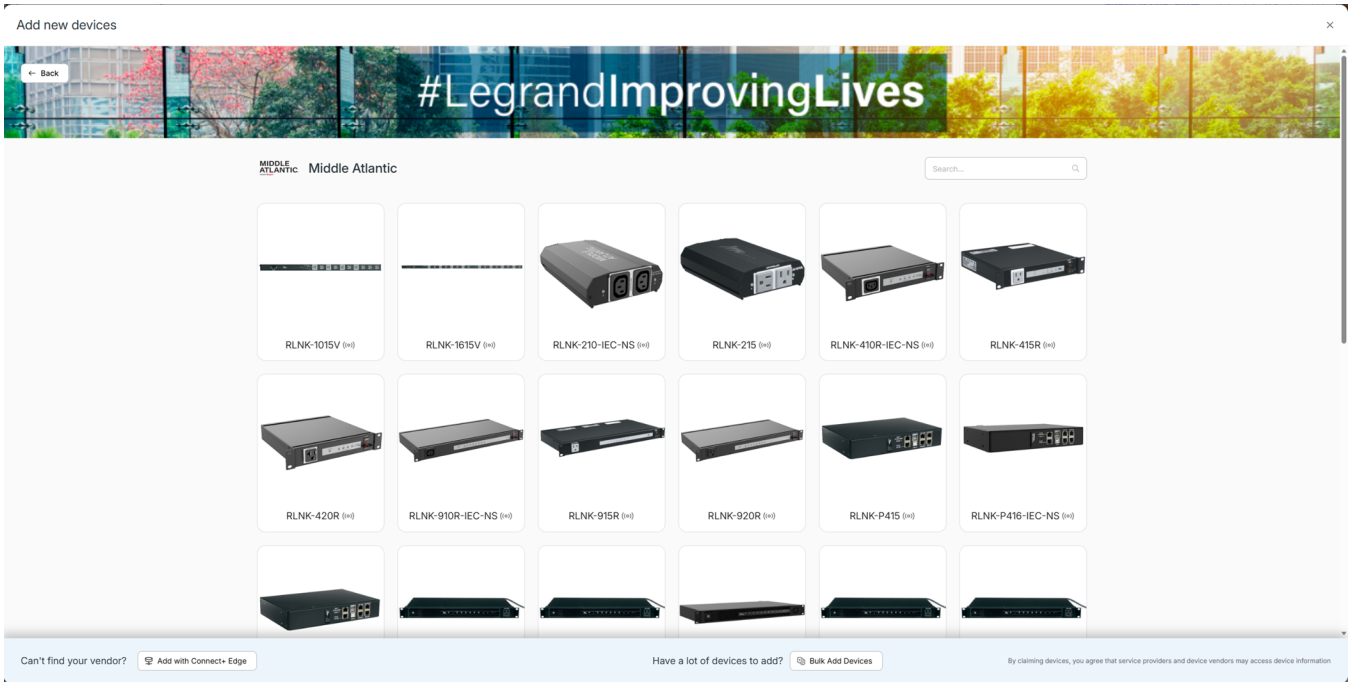


The Add new devices screen appears.



14. Click your desired vendor from the ones shown.

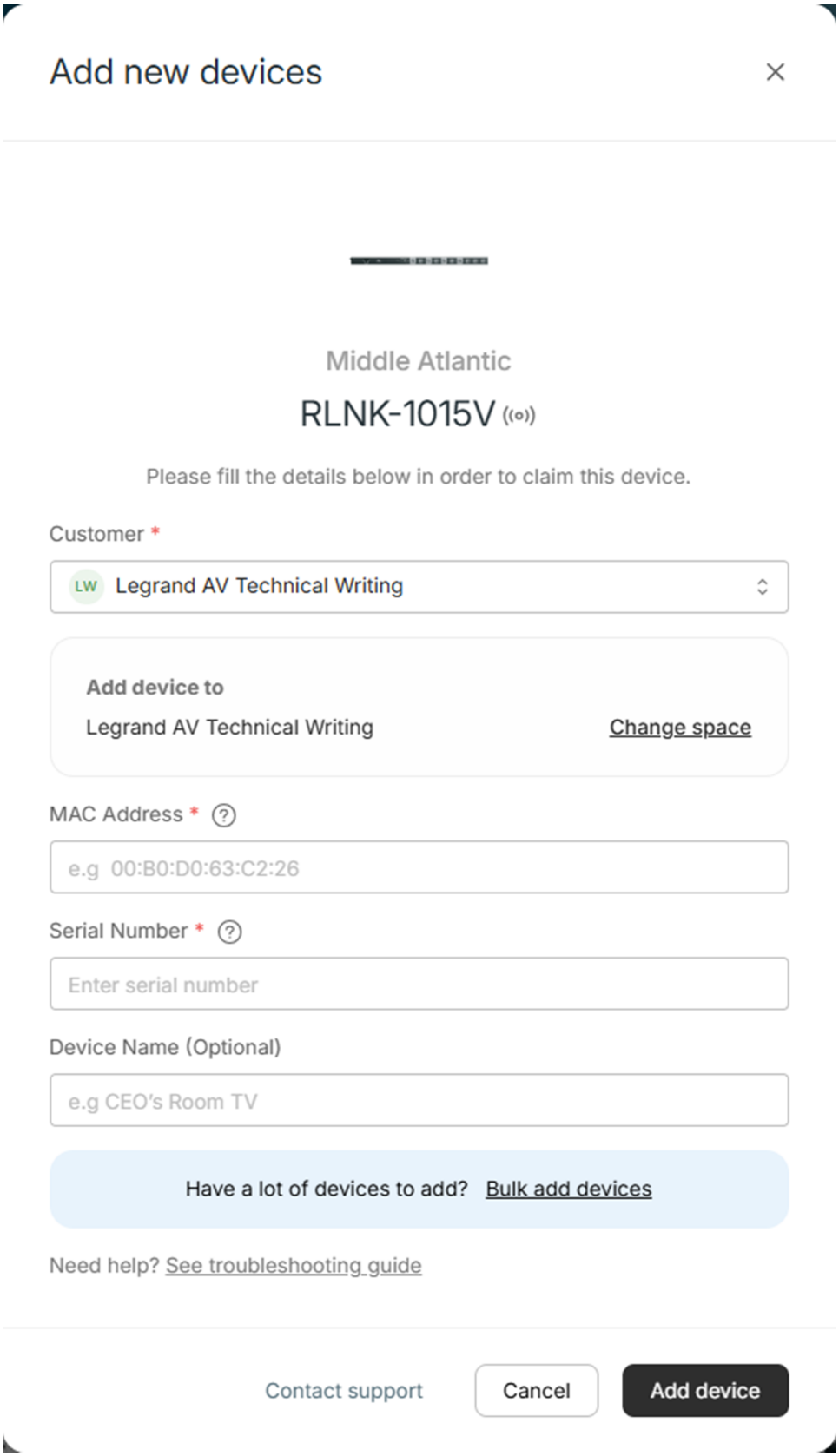
A screen appears showing the cloud-enabled devices available from the selected vendor.



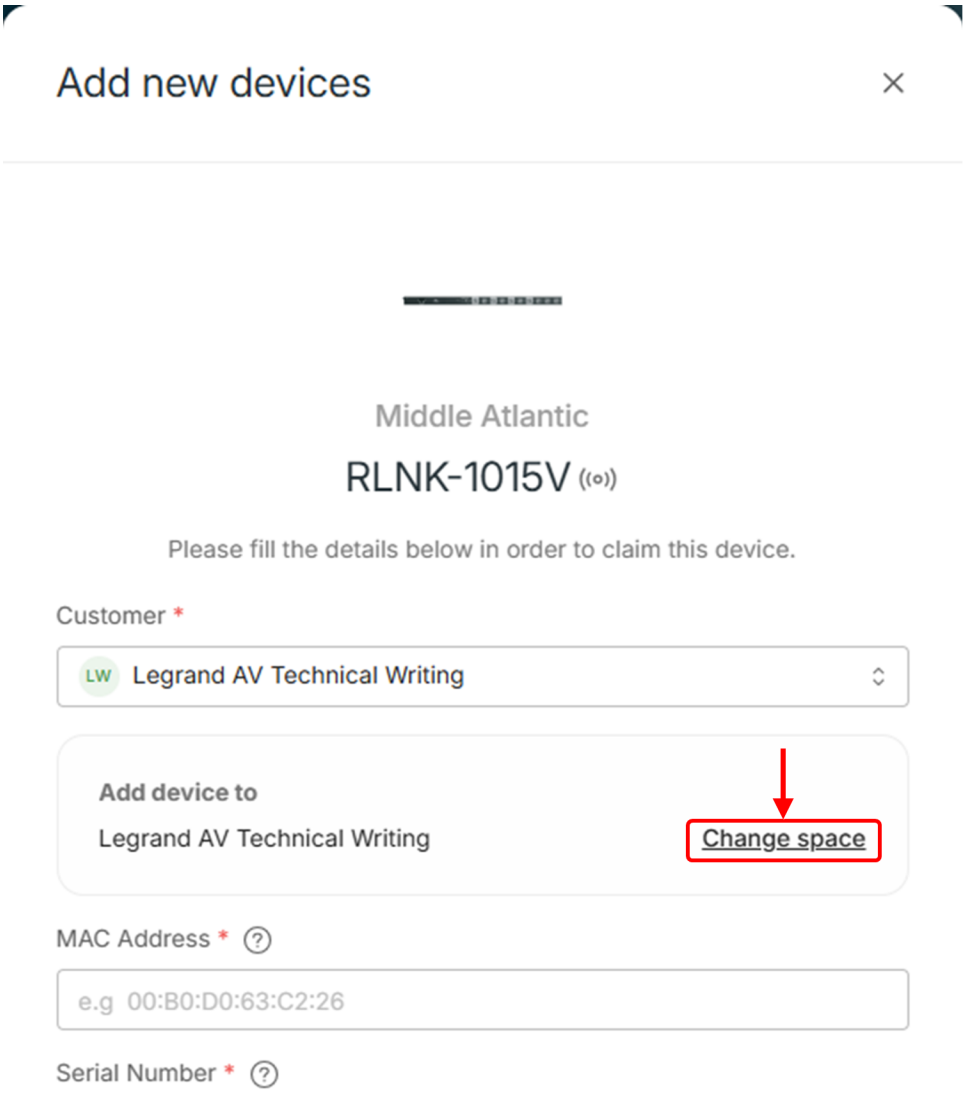
> **NOTE** Many cloud topic images come from a RackLink Select 1015 model PDU. Procedures and images are similar for other cloud-enabled products unless otherwise noted.

15. Find and click your device from the ones shown.

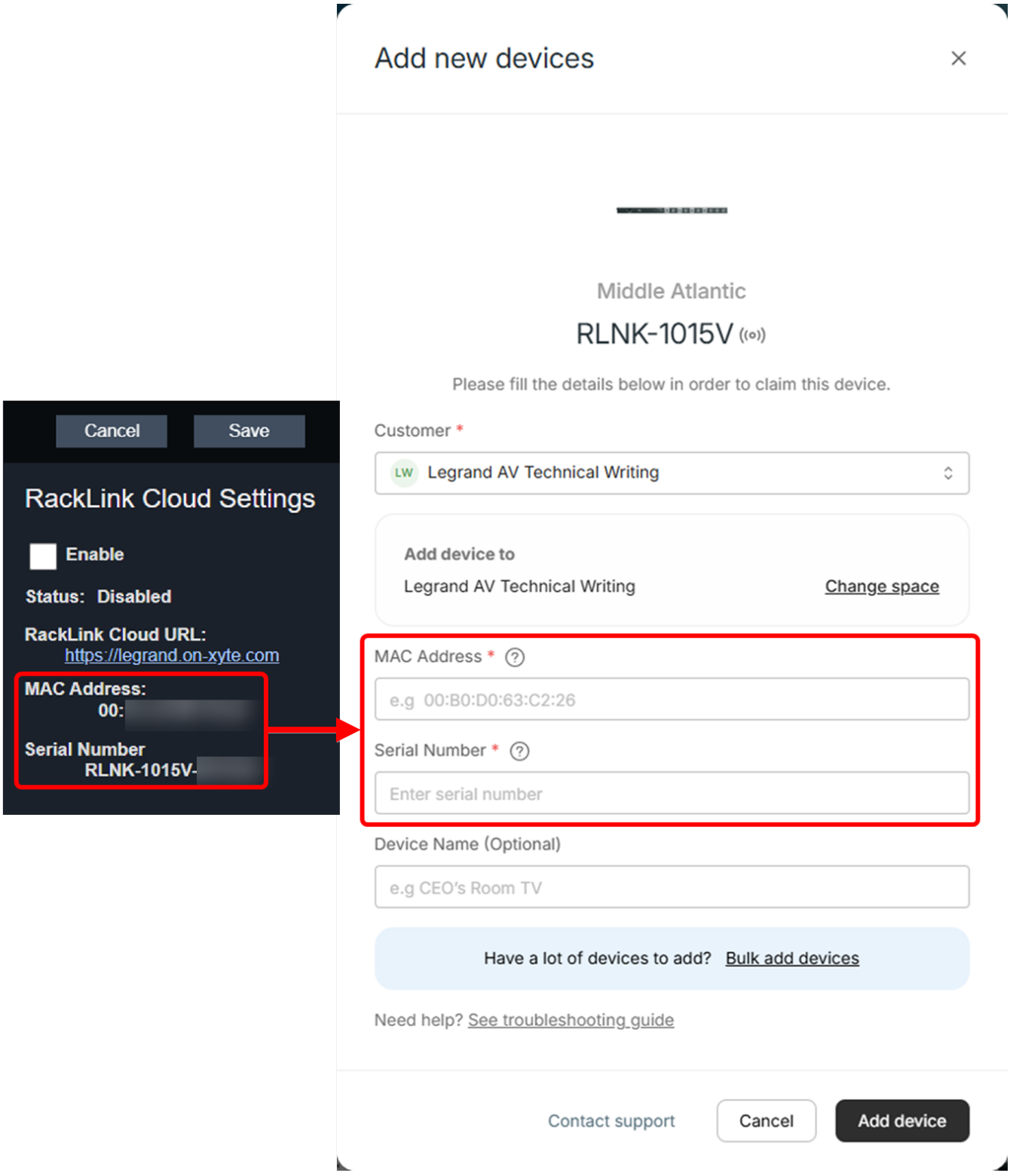
The Add new devices details screen appears.



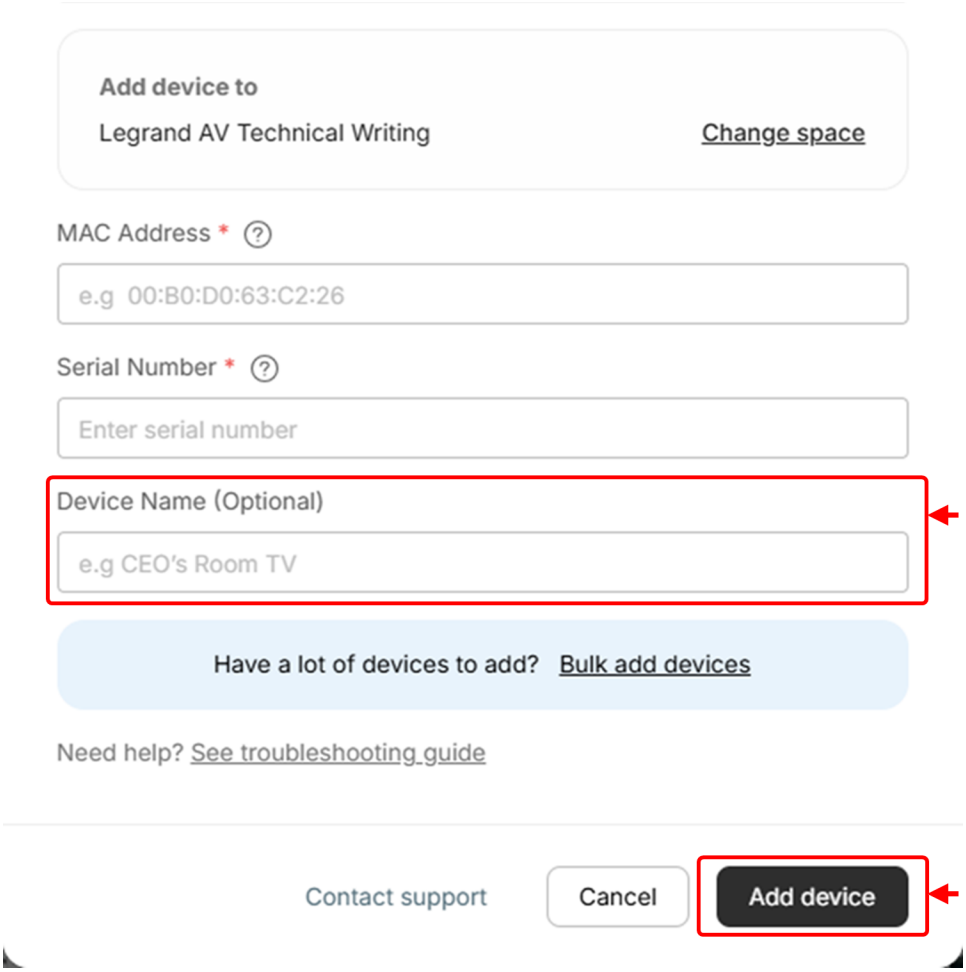
16. Click the **Change space** link to change the organization, if desired.



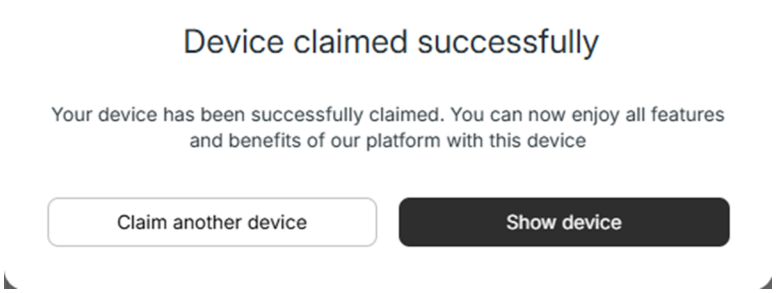
Provide entries in the **MAC Address** and **Serial Number** fields using the values you noted on the RackLink Cloud Settings screen in the web interface earlier in this topic.



Enter a logical name in the **Name** field, as desired and click **Add device**.

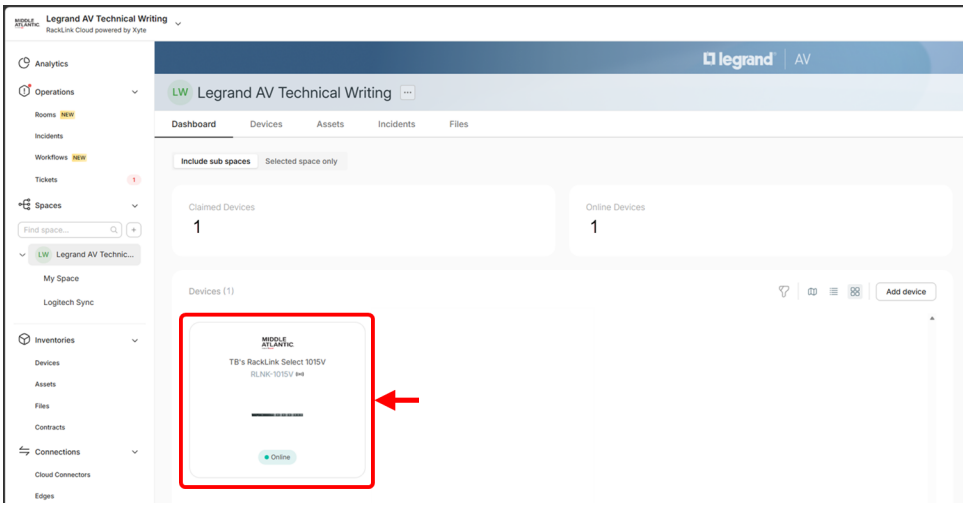


The Device claimed successfully screen appears.



17. Click **Show device**.

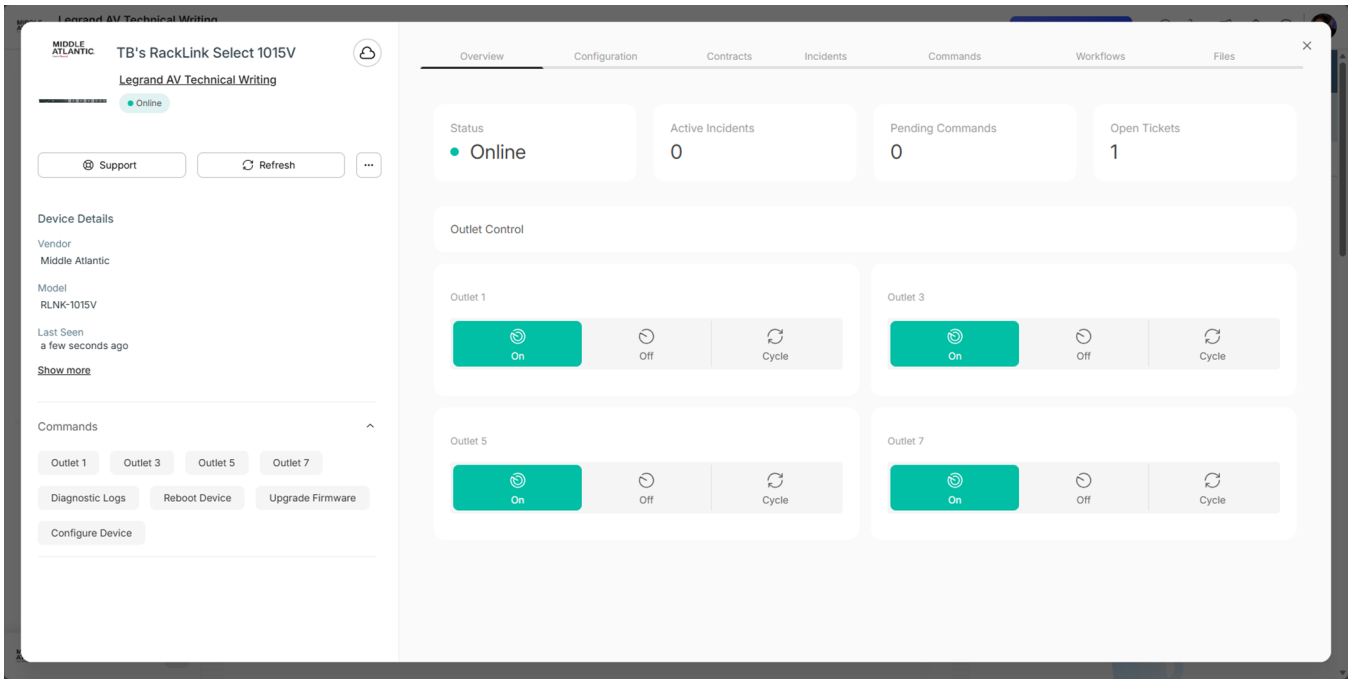
Your device appears on the Cloud Dashboard.



NOTE Click **Claim another device** to continue claiming additional units, if desired.

18. Click your device to access the Device Dashboard.

The Device Dashboard appears.



For information about RackLink Cloud services, refer to the Select PDU with RackLink product page at www.legrandav.com, contact support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901, and refer to additional RackLink Cloud documentation at https://docs.xyte.io, including the following topics:

- **Sign up**: https://docs.xyte.io/docs/sign-up
- **Claim you first device**: https://docs.xyte.io/docs/first-device
- **Asset management**: https://docs.xyte.io/docs/devices

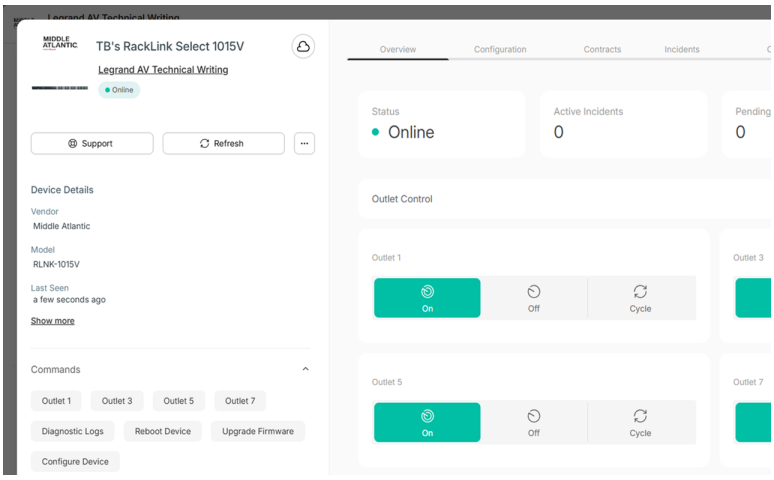
Using Controllable Outlets on Cloud-Connected Devices

Use the following steps to control applicable outlets on your cloud-connected device.

1. Access the Device Dashboard.

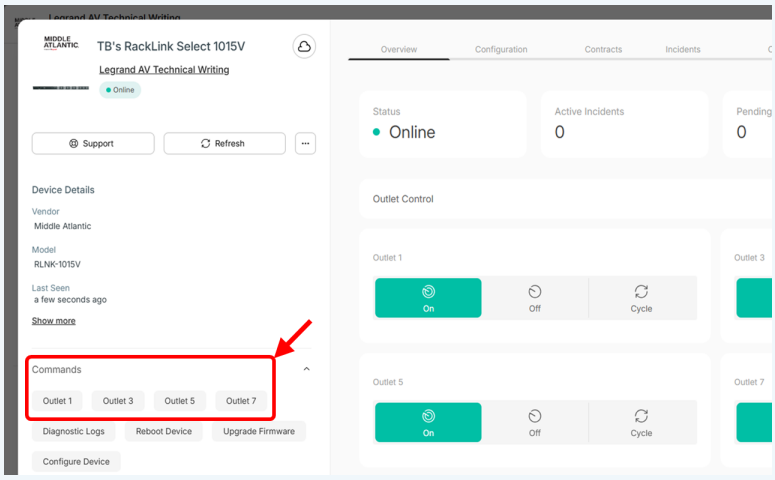
   For more information, see Enabling, Registering, and Claiming Your Device in the Cloud, on page 87.

2. Control outlets directly from the Device Dashboard by clicking On, Off, or Cycle buttons as desired.



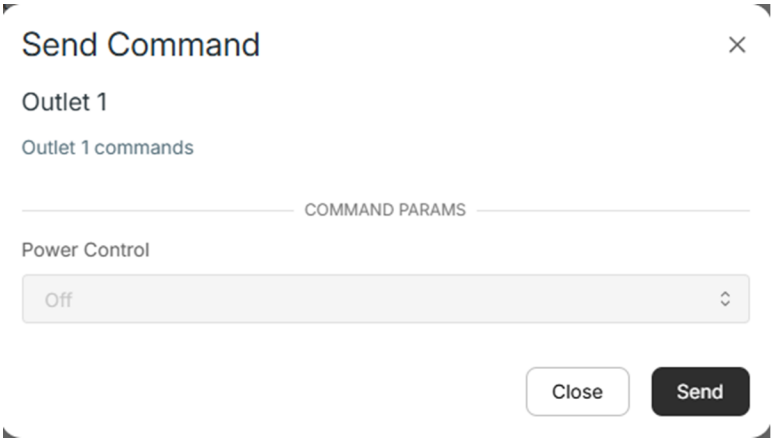
NOTE

- Alternatively, you can click specific outlet buttons directly from the commands listed on the dashboard as shown.



- Many cloud topic images come from a RackLink Select 1015 model PDU. Procedures and images are similar for other cloud-enabled products unless otherwise noted.

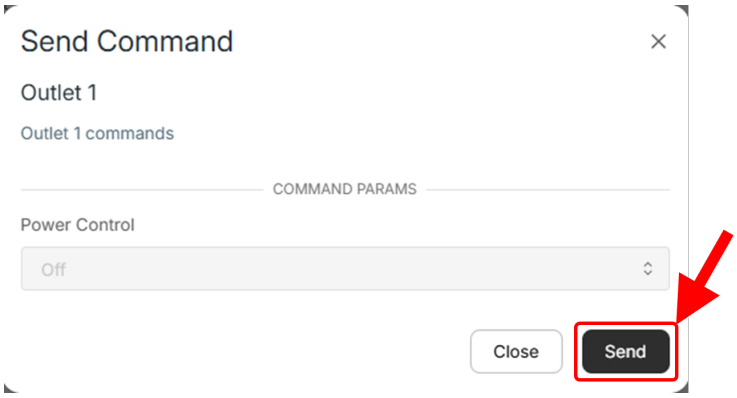
The Send Command pop-up appears.



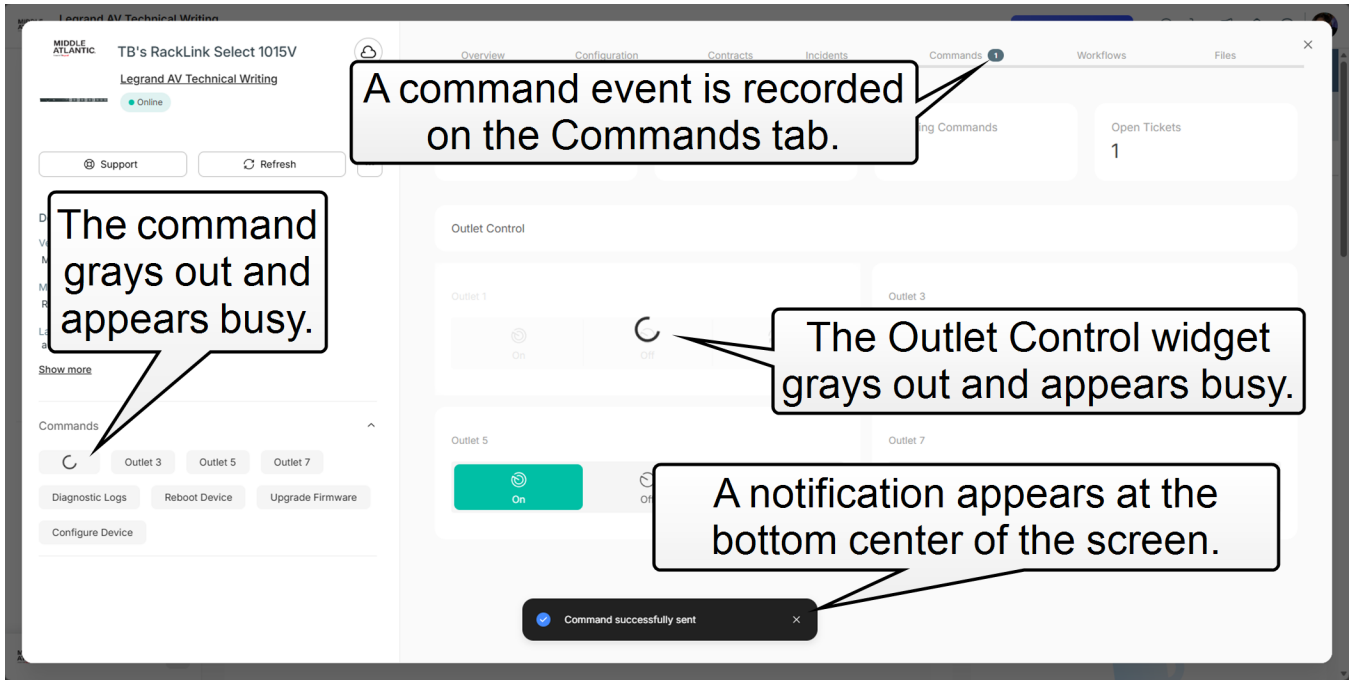
NOTE

When clicking outlet controls directly from the Device Dashboard, the specific operation (On, Off, or Cycle) is pre-selected and grayed out on the Power Control drop-down.

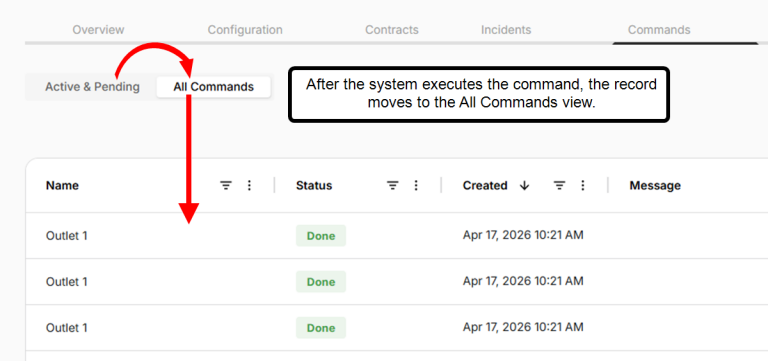
Click **Send**.



While the command is sent to your unit and executed, the command itself grays out and appears as busy, a command event is recorded on the Commands tab and a notification appears at the bottom center of the screen as shown.



The command appears in the Active & Pending view while the system executes the task. When completed, the record moves to the All Commands view as shown.



3. Use the Commands tab controls as desired.

   For more information, see Using Command Tab Controls, on page 109.

Using the Reboot Device Command

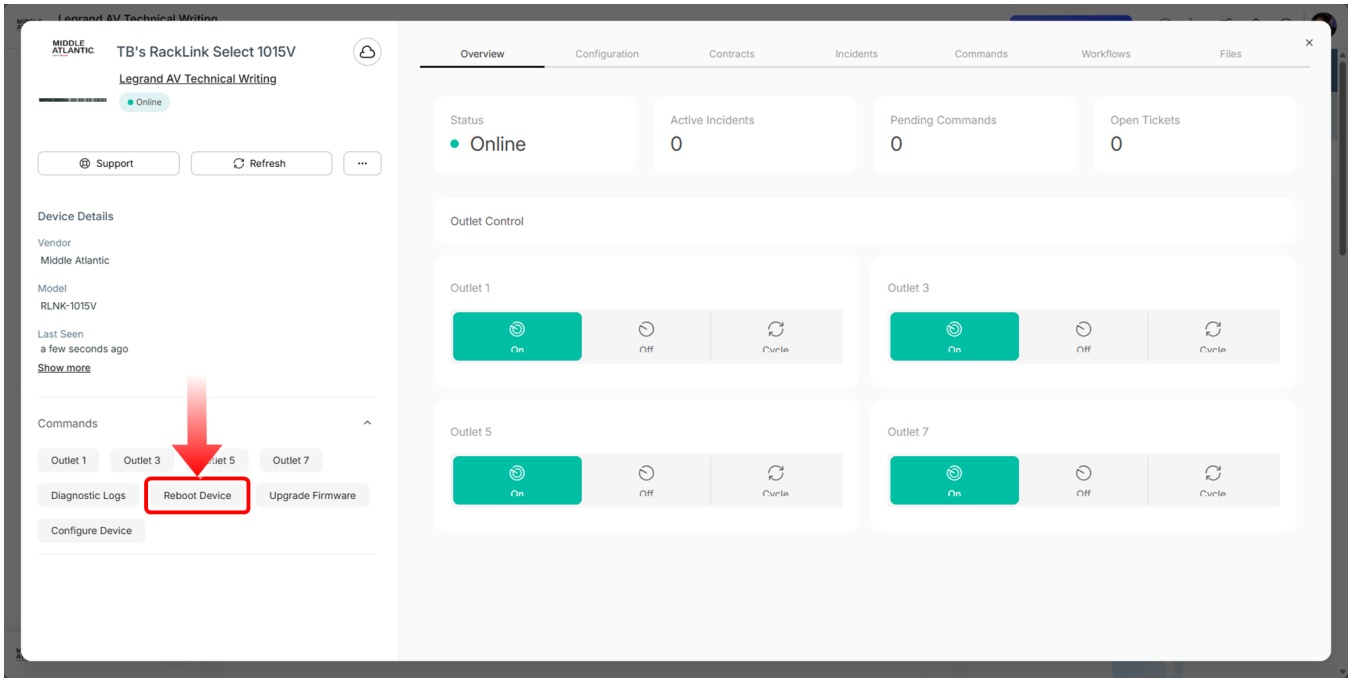
Use the following steps to send a Reboot command to your connected device from the Cloud.

1. Access the Device Dashboard.

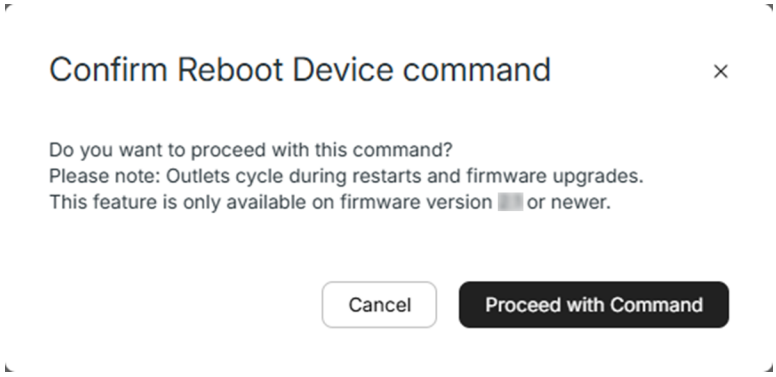
   For more information, see Enabling, Registering, and Claiming Your Device in the Cloud, on page 87.

2. Click the **Reboot** command.

NOTE Many cloud topic images come from a RackLink Select 1015 model PDU. Procedures and images are similar for other cloud-enabled products unless otherwise noted.

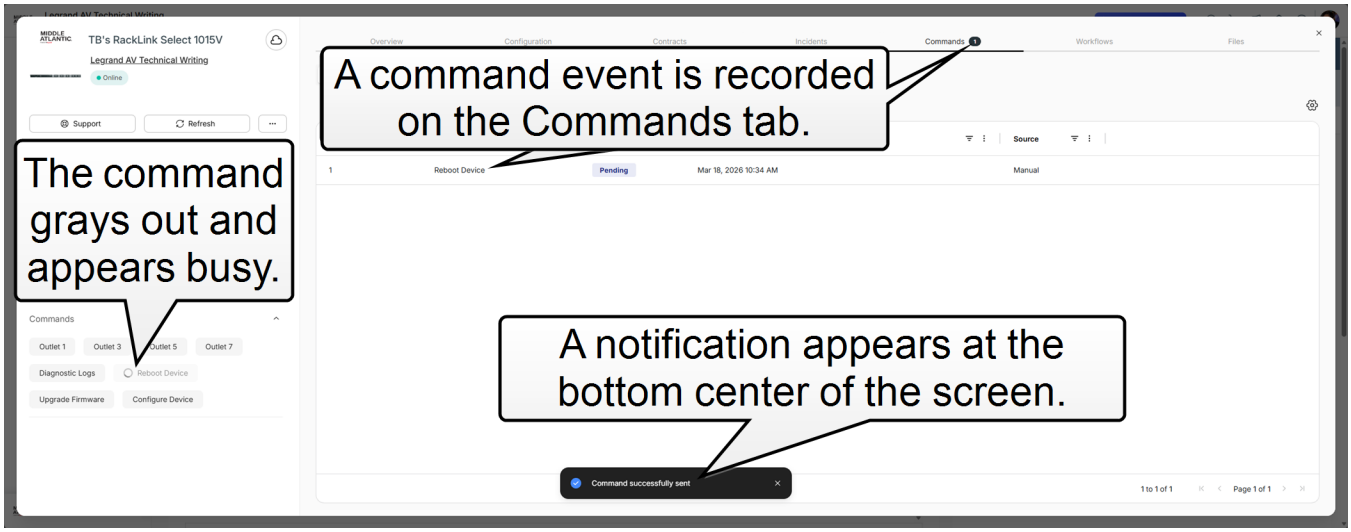


The Confirm Reboot command pop-up appears.

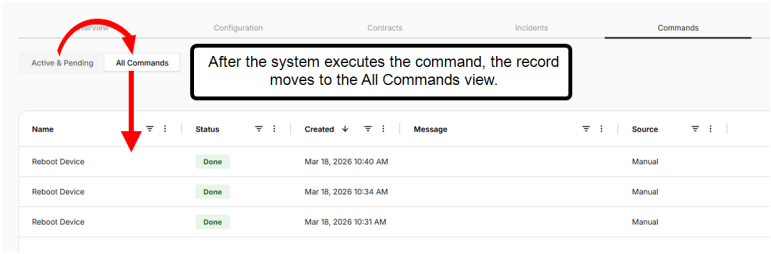


3. Click **Proceed with Command**.

While the command is sent to your unit and executed, the command itself grays out and appears as busy, a command event is recorded on the Commands tab and a notification appears at the bottom center of the screen as shown.



The command appears in the Active & Pending view while the system executes the task. When completed, the record moves to the All Commands view as shown.



4. Use the Commands tab controls as desired.

   For more information, see Using Command Tab Controls, on page 109.

Using the Diagnostic Logs Command

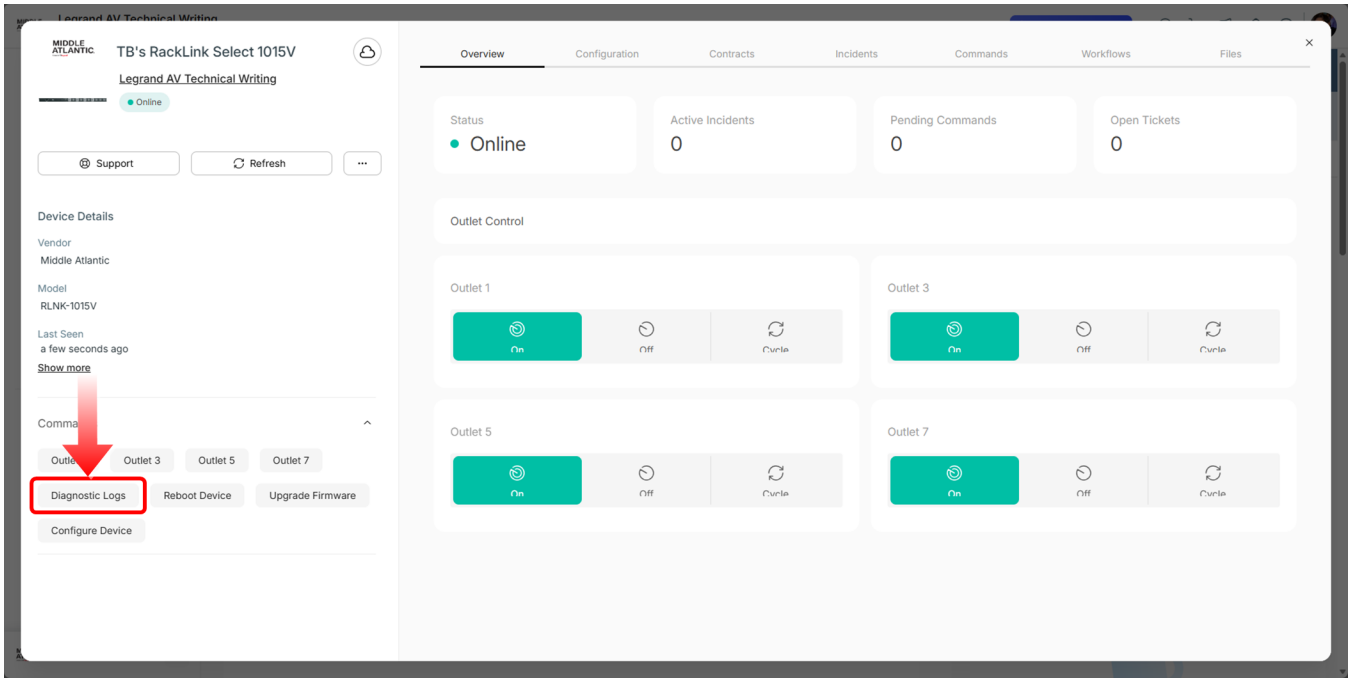
Use the following steps to send a Diagnostic Logs command to your connected device from the Cloud.

1. Access the Device Dashboard.

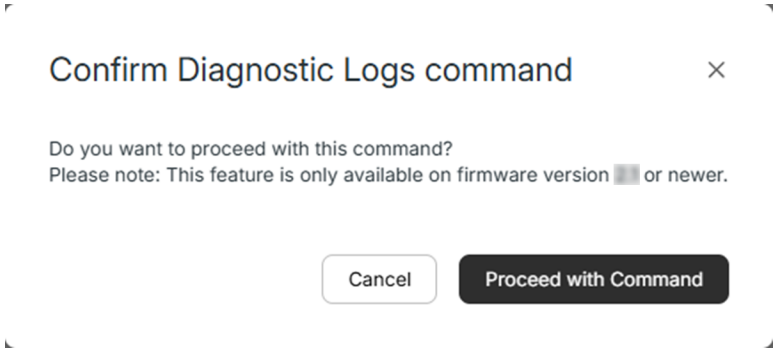
   For more information, see Enabling, Registering, and Claiming Your Device in the Cloud, on page 87.

2. Click the **Diagnostic Logs** command.

NOTE Many cloud topic images come from a RackLink Select 1015 model PDU. Procedures and images are similar for other cloud-enabled products unless otherwise noted.

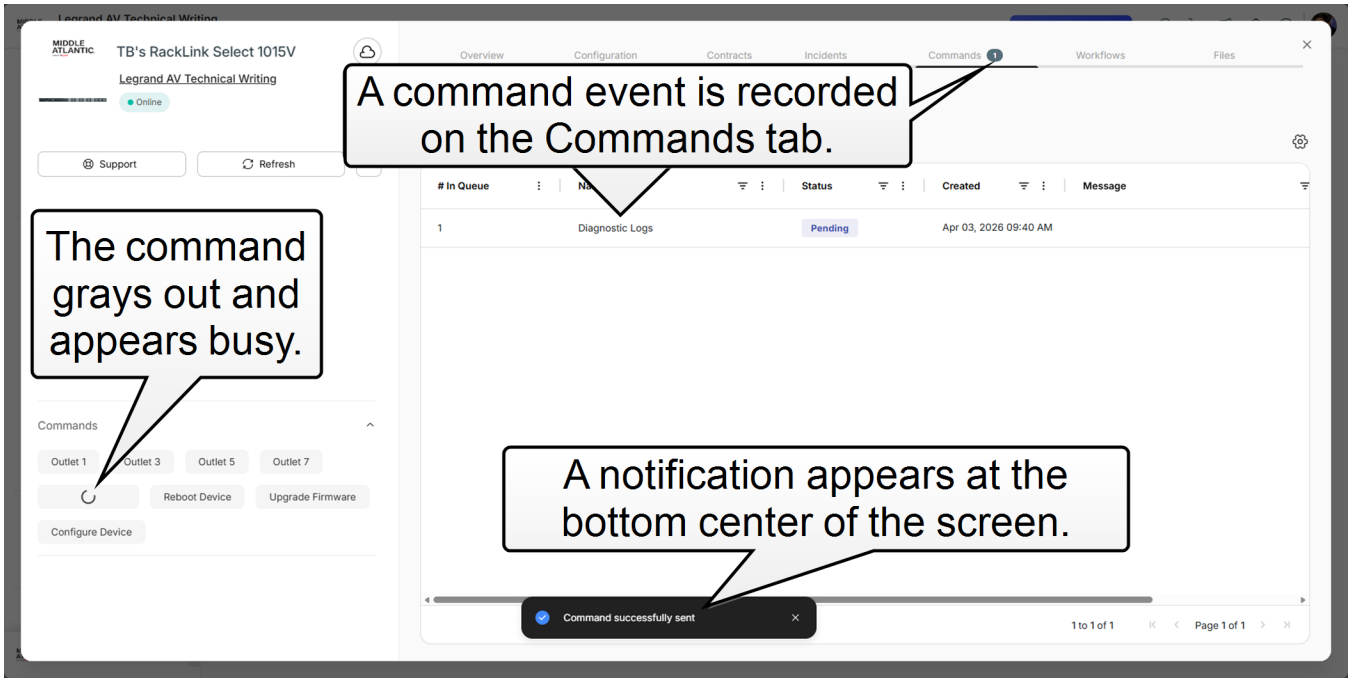


The Confirm Diagnostic Logs command pop-up appears.

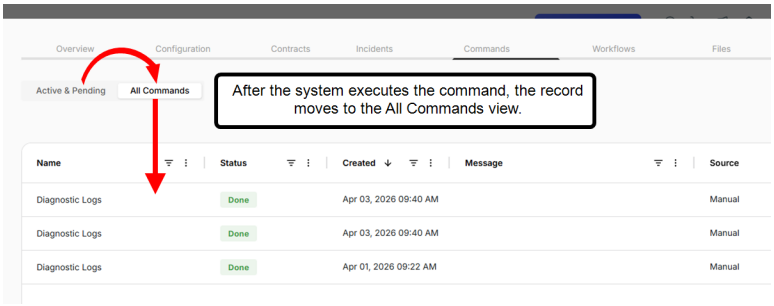


3. Click **Proceed with Command**.

While the command is sent to your unit and executed, the command itself grays out and appears as busy, a command event is recorded on the Commands tab and a notification appears at the bottom center of the screen as shown.



The command appears in the Active & Pending view while the system executes the task. When completed, the record moves to the All Commands view as shown.



4. Use the Commands tab controls as desired.

   For more information, see Using Command Tab Controls, on page 109.

5. Click the **Files** tab.

   Locate the Diagnostic Logs file you wish to download from the list of files shown.

> **NOTE** Log file format (.zip or .tar) is determined by the device.

6. Click **Download**.

Using the Configure Device Command

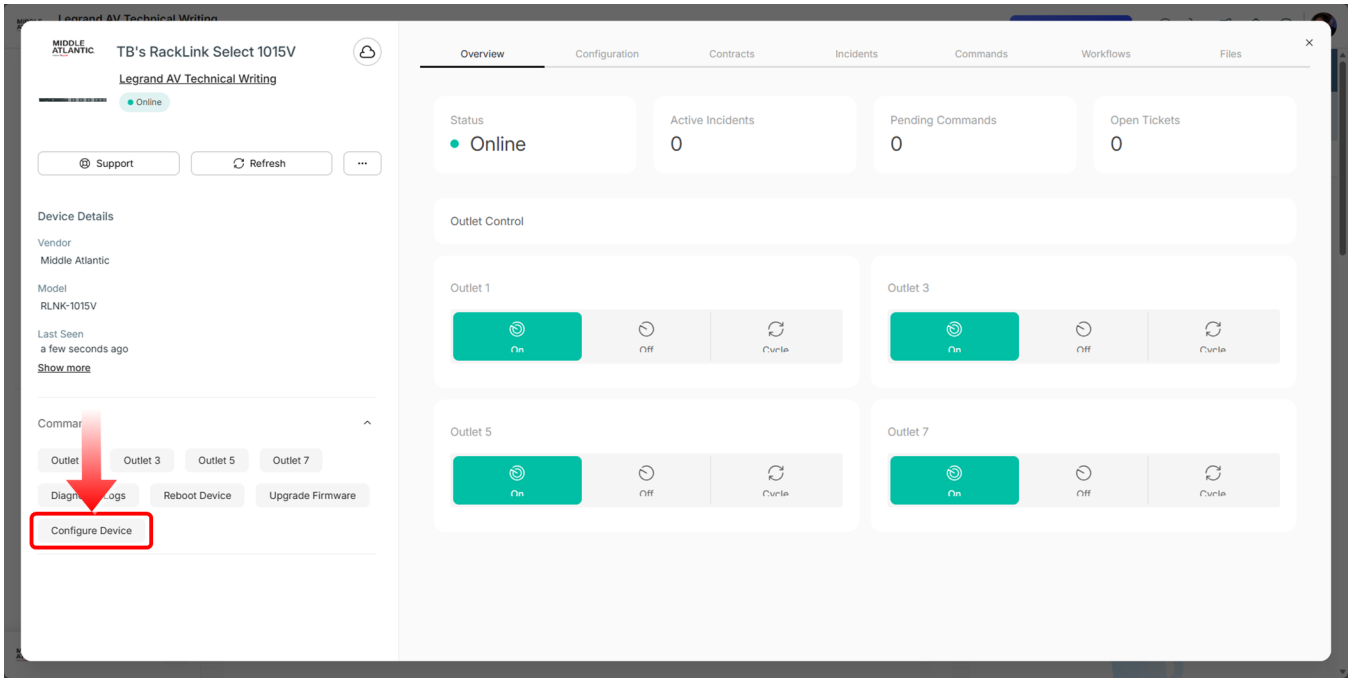
Use the following steps to send a Device Configuration command to your connected device from the Cloud.

1. Access the Device Dashboard.

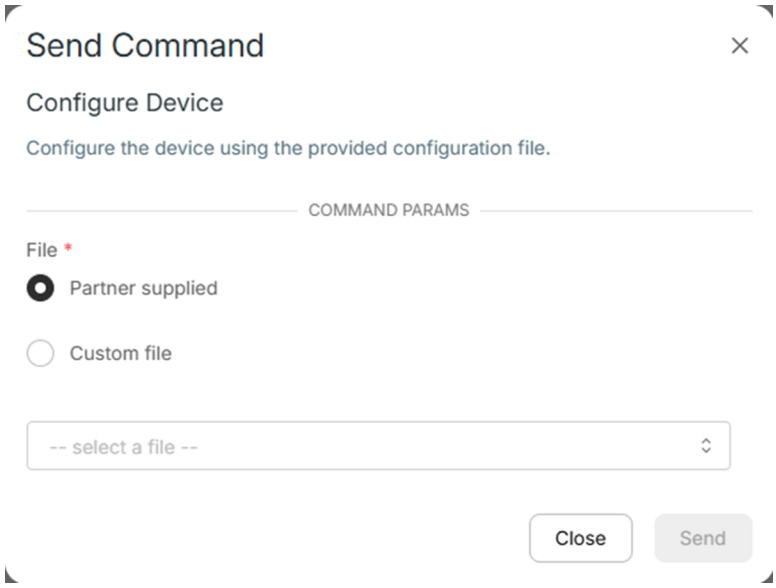
   For more information, see Enabling, Registering, and Claiming Your Device in the Cloud, on page 87.

2. Click the **Configure Device** command.

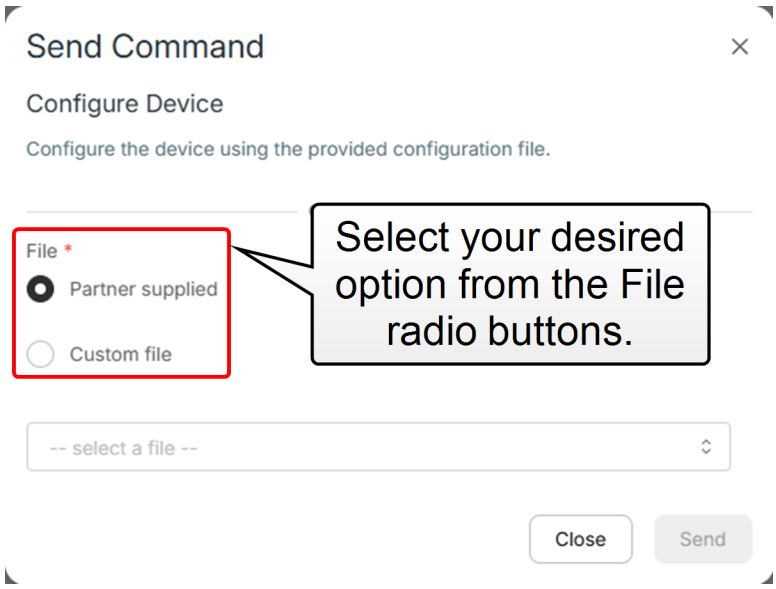
> **NOTE** Many cloud topic images come from a RackLink Select 1015 model PDU. Procedures and images are similar for other cloud-enabled products unless otherwise noted.



The Configure Device File Selection pop-up appears.



3. Select **Partner supplied** or **Custom file** from the File radio button as shown.



Use one of the following topics based on your selection.

Partner supplied

Refers to configuration (and other) files uploaded onto the platform by Legrand AVD or Middle Atlantic. The files are then available for your use on applicable device models when claimed in the system.

For more information, see Using Partner-Supplied Files in the Cloud, on page 100.

Custom file

Refers to configuration (and other) files you manually upload to your specific cloud tenant and site on the cloud platform. The files are then available for your use on applicable device models when claimed in the system.

For more information, see Using Custom Files in the Cloud, on page 103.

Using the Upgrade Firmware Command

Use the following steps to upgrade the firmware on your connected device from the Cloud.

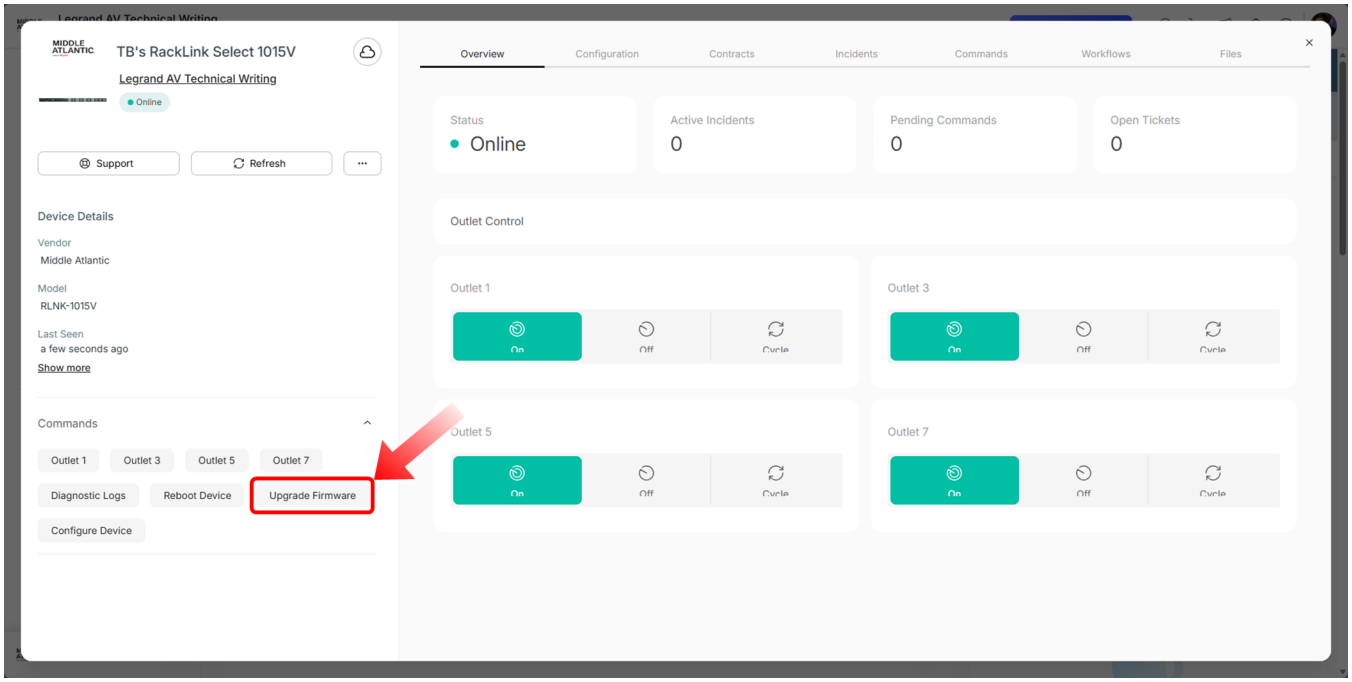
NOTE Make sure you either have access to a partner-supplied firmware file or have a downloaded custom firmware file from your device provider before proceeding.

1. Access the Device Dashboard.

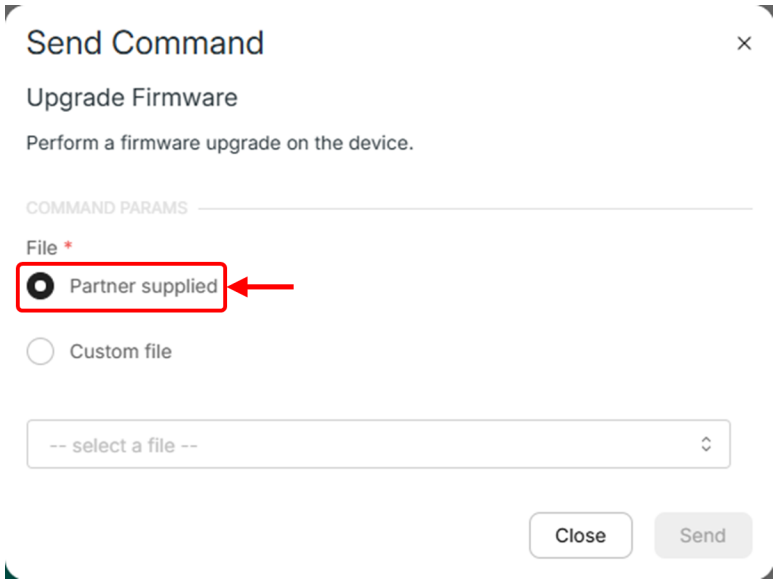
   For more information, see Enabling, Registering, and Claiming Your Device in the Cloud, on page 87.

2. Click the **Upgrade Firmware** command.

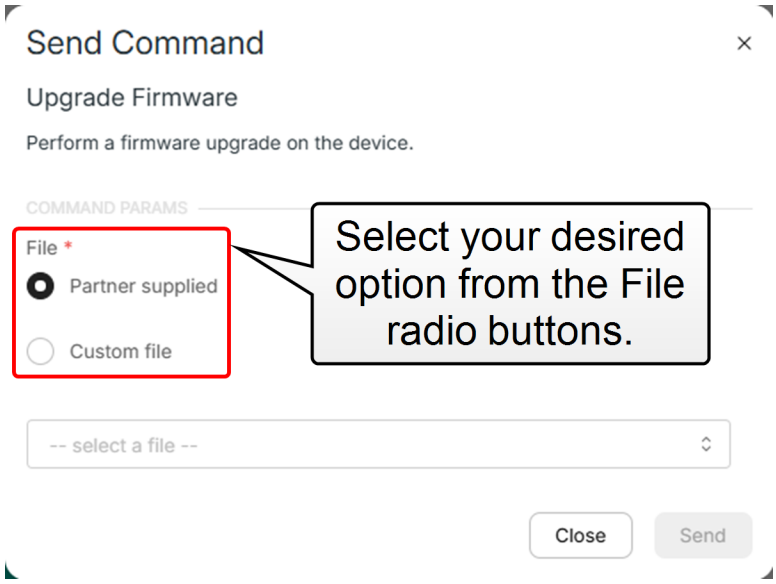
   NOTE Many cloud topic images come from a RackLink Select 1015 model PDU. Procedures and images are similar for other cloud-enabled products unless otherwise noted.



The Upgrade Firmware command pop-up appears.



3. Select **Partner supplied** or **Custom file** from the File radio button as shown.



Use one of the following topics to complete your upgrade based on your selection.

Partner supplied

Refers to firmware (and other) files uploaded onto the platform by Legrand AVD or Middle Atlantic. The files are then available for your use on applicable device models when claimed in the system.

For more information, see Using Partner-Supplied Files in the Cloud, on page 100.

Custom file

Refers to firmware (and other) files you manually upload to your specific cloud tenant and site on the cloud platform. The files are then available for your use on applicable device models when claimed in the system.

For more information, see Using Custom Files in the Cloud, on page 103.

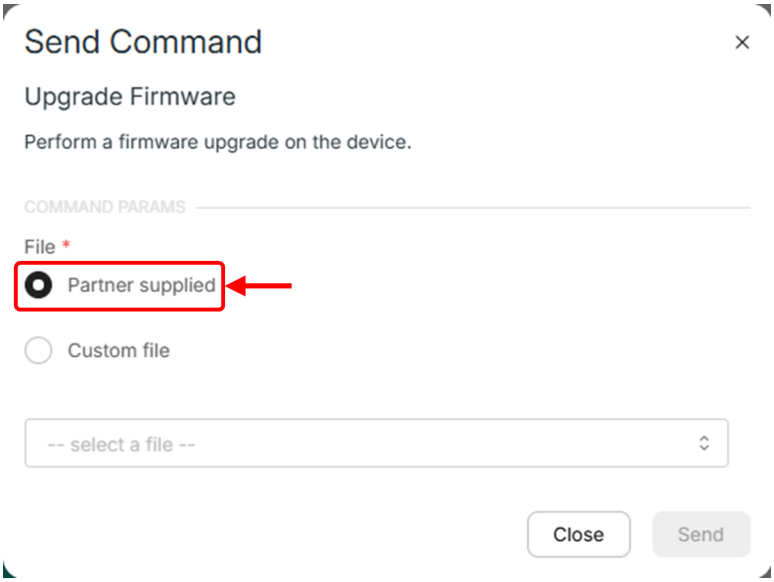
Using Partner-Supplied Files in the Cloud

This procedure picks up where you left off when selecting to use a Partner-Supplied file when executing applicable commands from the Cloud.

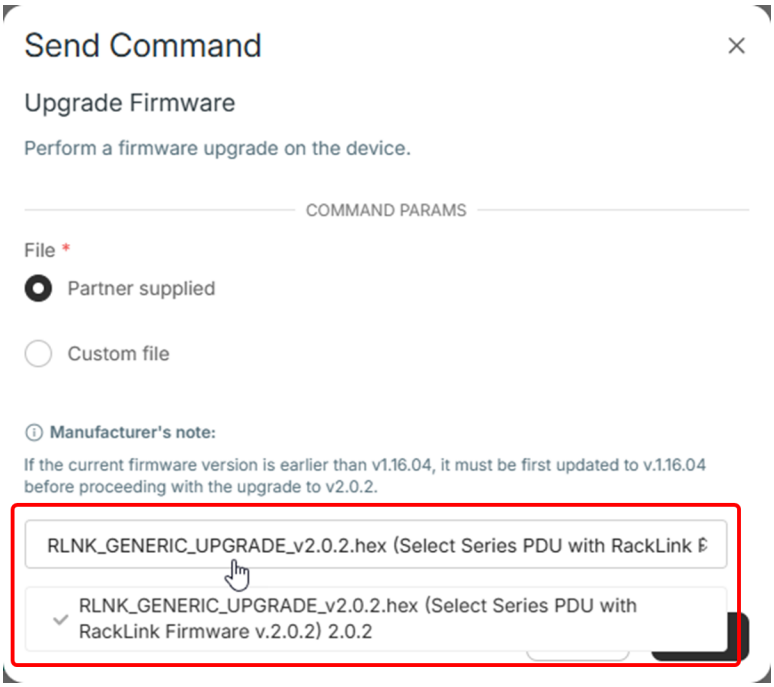
NOTE

- Partner-supplied files are uploaded onto the platform by Legrand AVD or Middle Atlantic. The files are then available for your use on applicable device models when claimed in the system. Make sure you have access to a partner-supplied file from your device provider before proceeding.
- Images in this topic shows how to use a Partner-Supplied file while executing a Firmware Upgrade command. Procedures and images are similar for other applicable commands unless otherwise noted.
- File types vary based on applicable commands and include extensions like **`.hex`** (often used for PDU firmware files), **`.bin`** (often used for UPS firmware files), and **`.json`** (often used for configuration files) to name a few.

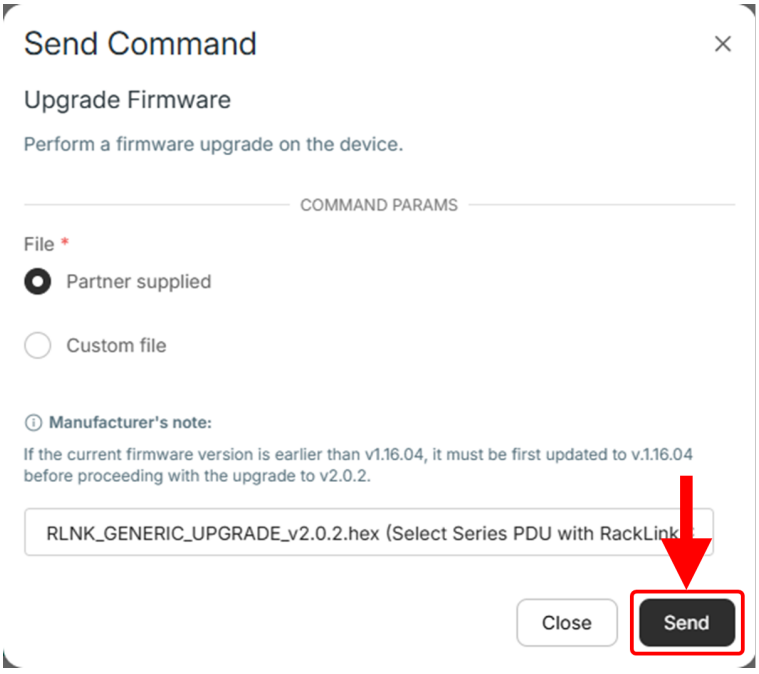
1. Select **Partner supplied** from the File radio buttons as shown.



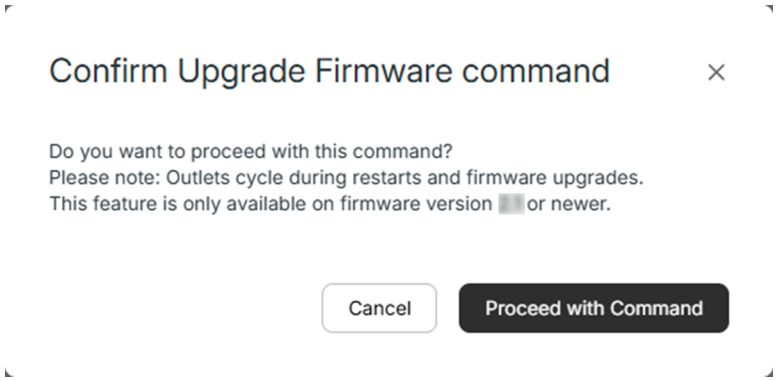
2. Use the Select a file drop-down to choose one of the available partner-supplied firmware files listed.



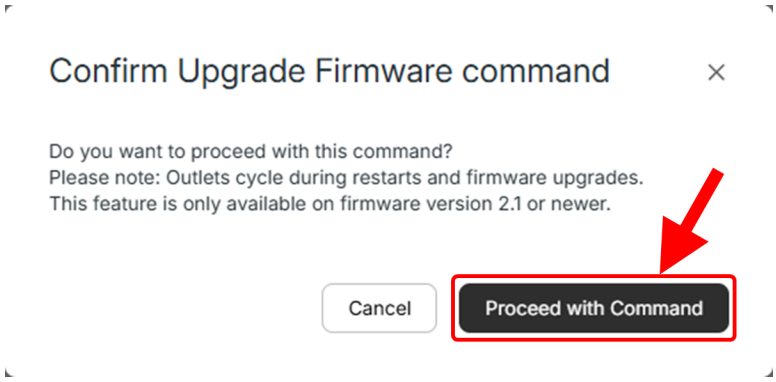
3. Click **Send** to transmit the selected partner-supplied file to your connected device from the Cloud.



A Confirm command pop-up appears.



4. Click **Proceed with Command**.



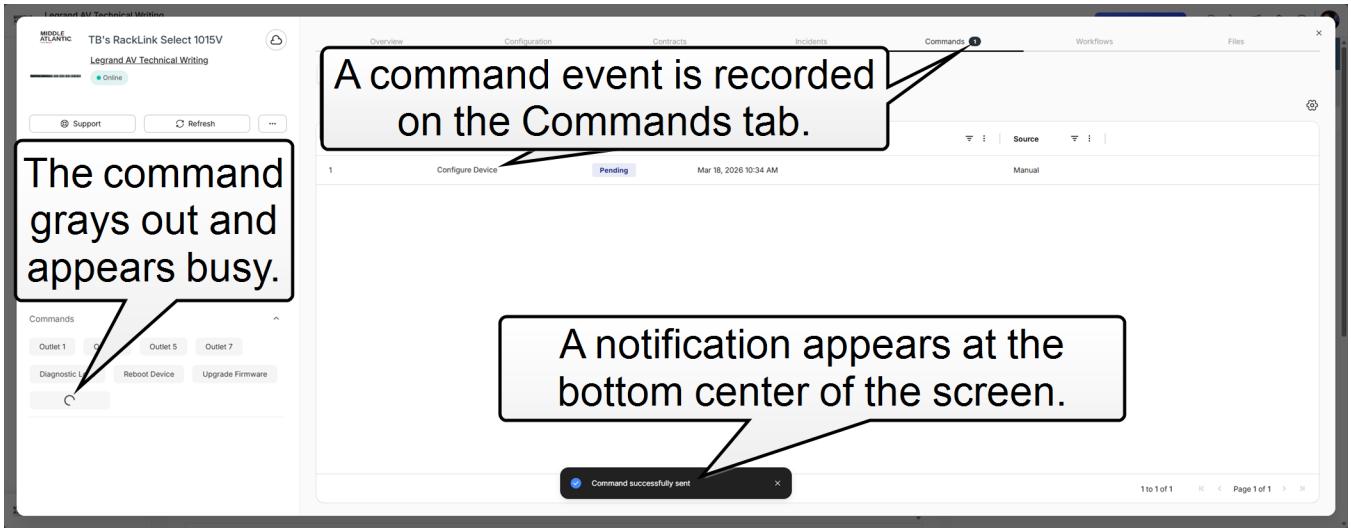
CAUTION

Do not disconnect power or restart the device during a firmware upgrade. Doing so may cause permanent hardware damage.

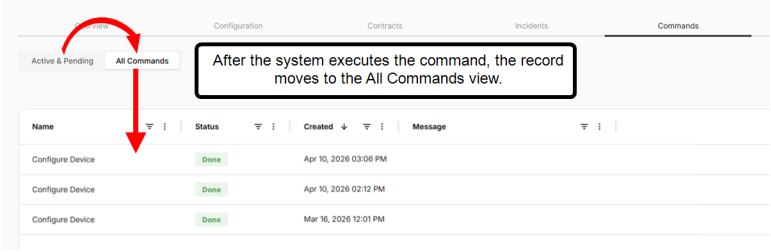
ATTENTION

Ne pas débrancher l'alimentation ou redémarrer l'appareil pendant une mise à jour du micrologiciel. Cela pourrait causer des dommages matériels permanents.

While the command is sent to your unit and executed, the command itself grays out and appears as busy, a command event is recorded on the Commands tab, and a notification appears at the bottom center of the screen as shown.



The command appears in the Active & Pending view while the system executes the task. When completed, the record moves to the All Commands view as shown.



5. Use the Commands tab controls as desired.

   For more information, see Using Command Tab Controls, on page 109.

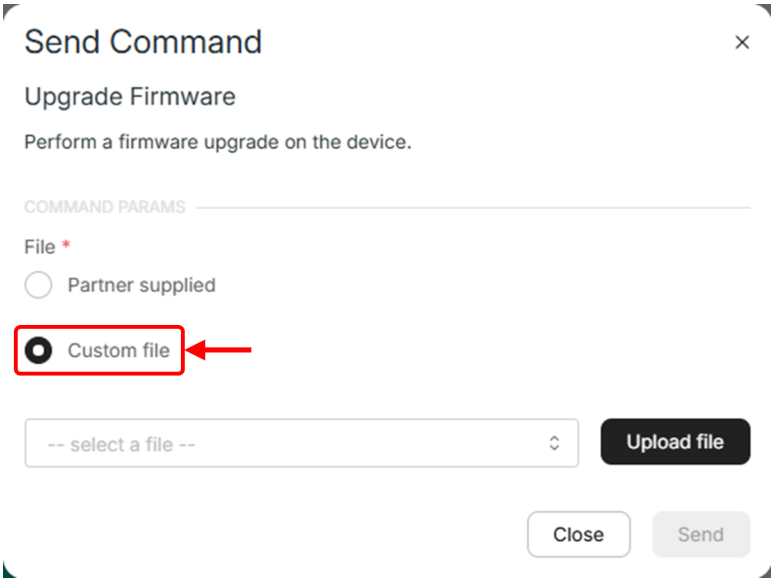
Using Custom Files in the Cloud

This procedure picks up where you left off when selecting to use a Custom file when executing applicable commands from the Cloud.

NOTE

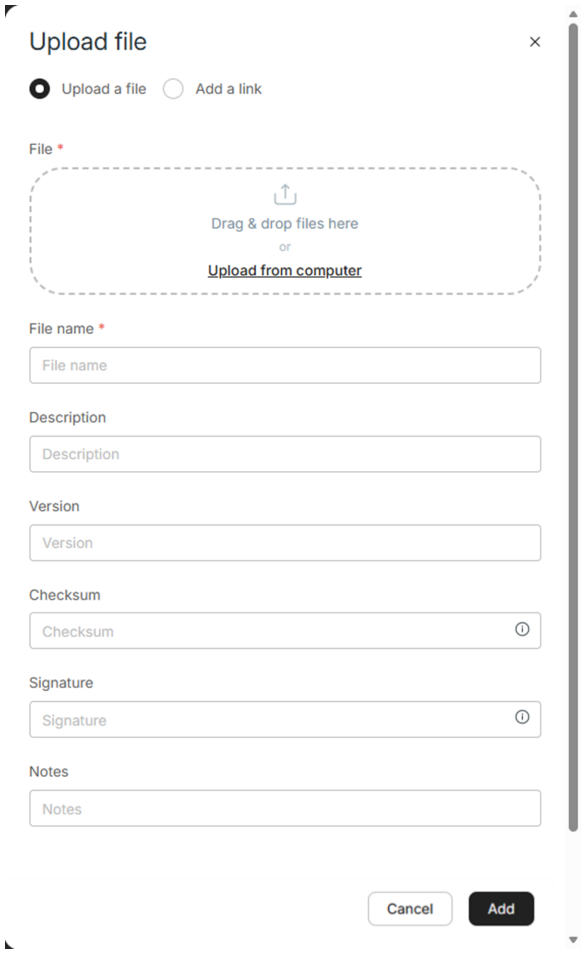
- Custom files are manually uploaded by you onto your specific cloud tenant and site on the cloud platform. The files are then available for your use on applicable device models when claimed in the system. Make sure you have access to a custom file before proceeding.
- Images in this topic show how to use a Custom file while executing a Firmware Upgrade command. Procedures and images are similar for other applicable commands unless otherwise noted.
- File types vary based on applicable commands and include extensions like **`.hex`** (often used for PDU firmware files), **`.bin`** (often used for UPS firmware files), and **`.json`** (often used for configuration files) to name a few.

1. Select **Custom file** from the File radio buttons as shown.



2. Click **Upload file**.

The Upload file screen appears where you can Upload a file or Add a link.



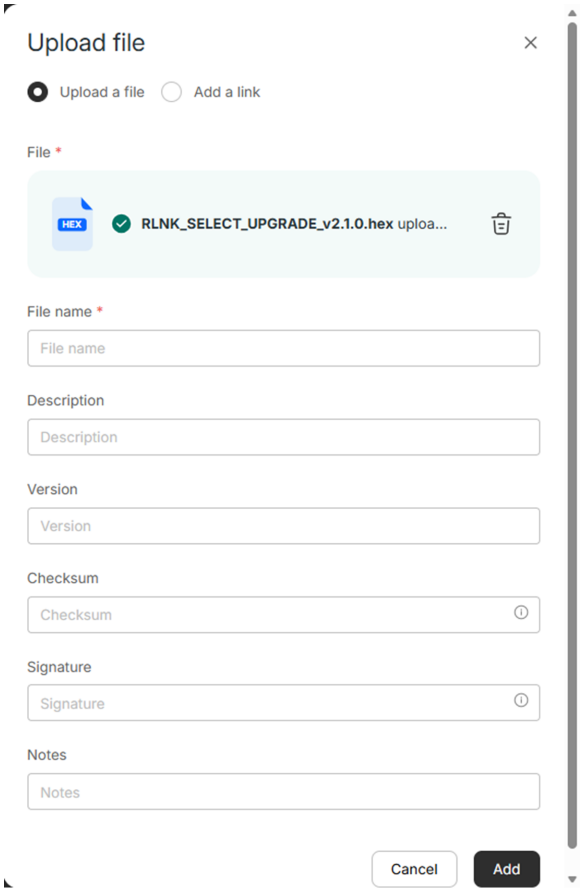
- Do the following if you are uploading a file.
  a. Select **Upload a file** from the radio buttons at the top.
     - Drag and drop the firmware file into the box with the dashed border.

       OR

     - Click **Upload from computer** and locate your firmware file.

     The system loads the firmware file into the Upload file screen and populates some of the fields.

NOTE The only required fields on the Upload file screen are the actual firmware File and the File name.

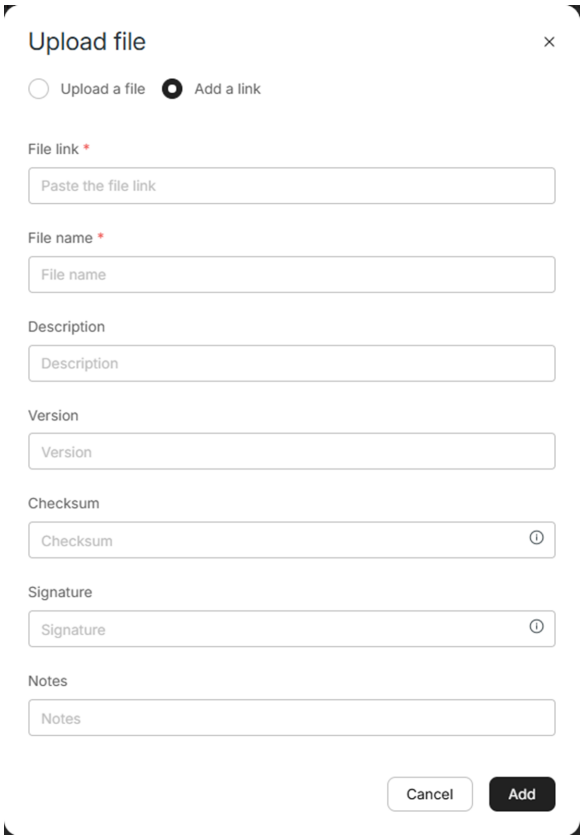


b. Make changes to available field values as desired.

c. Click **Add**.

- Do the following if you are adding a link.

a. Select **Add a link** from the radio buttons at the top.



b. Provide a link to your device provider's firmware file in the File link field.

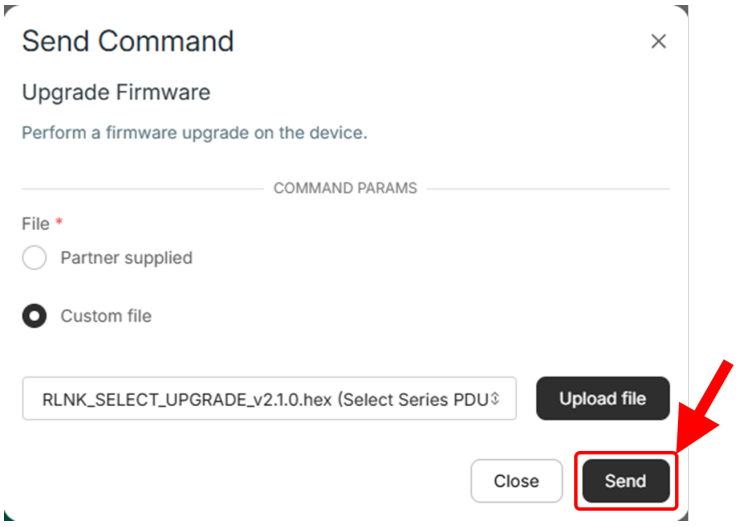
> **NOTE**
>
> - The File link must be a URL starting with **`https://`** and cannot be a local file.
> - The only required fields on the Add a link screen are the firmware File link and the File name.

c. Make changes to available field values as desired.

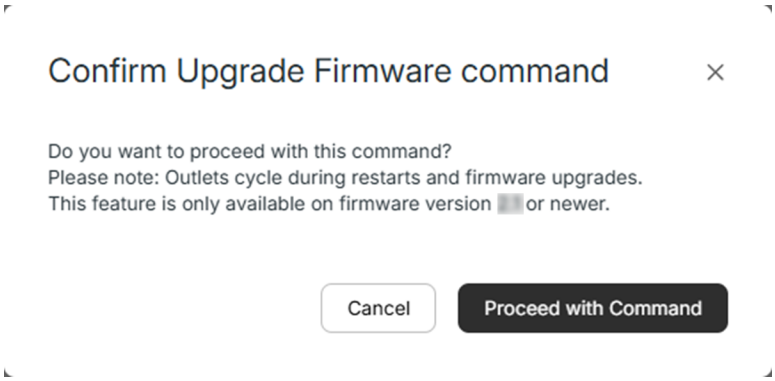
d. Click **Add**.

> **NOTE** Added files and links then appear on the select a file drop-down on the specific device and selected tenant.

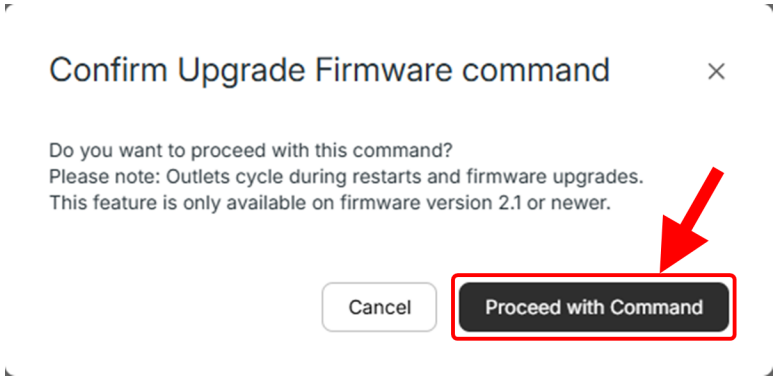
Click **Send** to transmit the selected custom firmware file to your connected device from the Cloud.



A Confirm command pop-up appears.

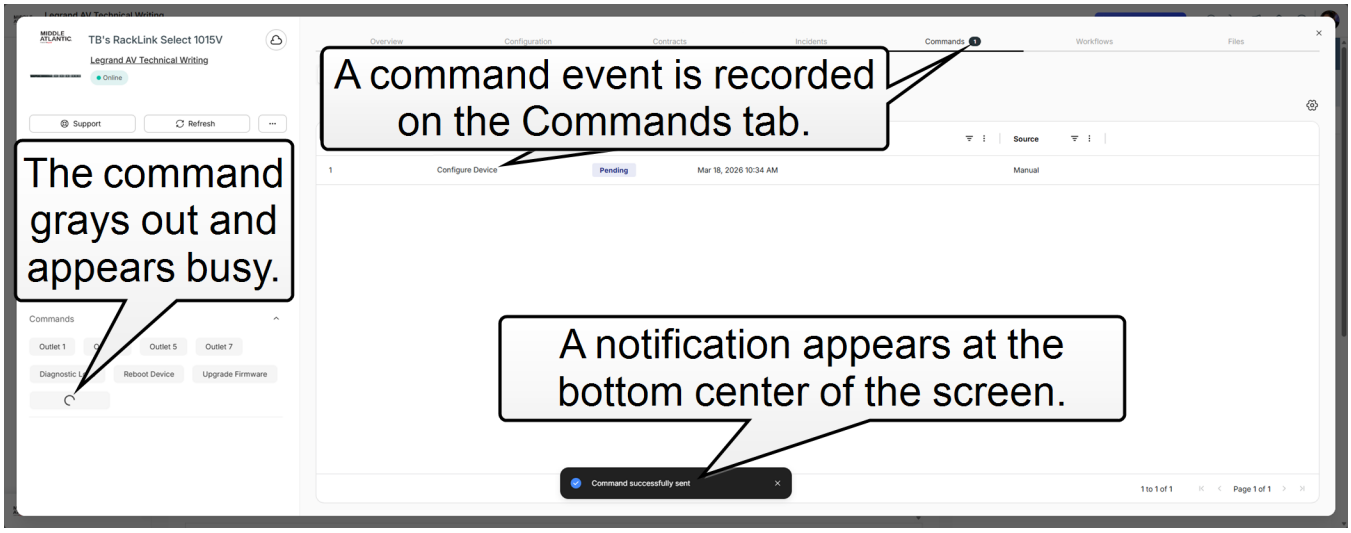


3. Click **Proceed with Command**.

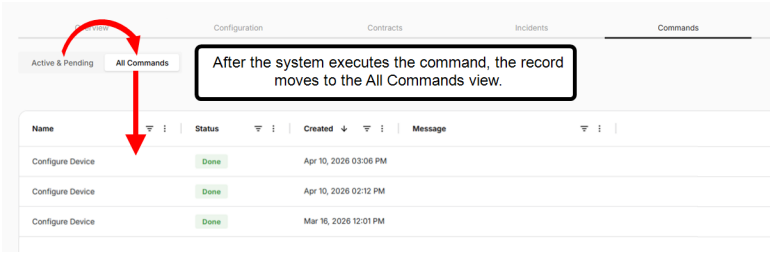


CAUTION	Do not disconnect power or restart the device during a firmware upgrade. Doing so may cause permanent hardware damage.
ATTENTION	Ne pas débrancher l'alimentation ou redémarrer l'appareil pendant une mise à jour du micrologiciel. Cela pourrait causer des dommages matériels permanents.

While the command is sent to your unit and executed, the command itself grays out and appears as busy, a command event is recorded on the Commands tab, and a notification appears at the bottom center of the screen as shown.



The command appears in the Active & Pending view while the system executes the task. When completed, the record moves to the All Commands view as shown.



4. Use the Commands tab controls as desired.

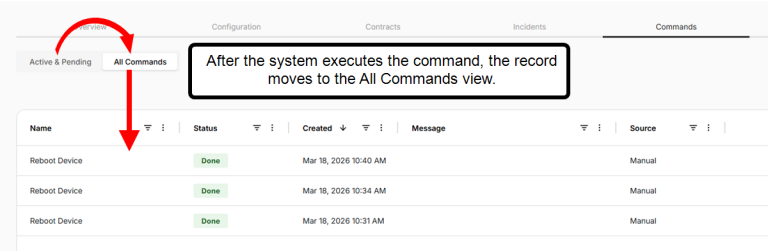
   For more information, see Using Command Tab Controls, on page 109.

Using Command Tab Controls

Use the following steps to understand Command Tab Controls after executing Cloud commands.

1. You have already performed the following steps in order to access Command Tab controls:
   - Connect to your device in the Cloud.

     For more information, see Enabling, Registering, and Claiming Your Device in the Cloud, on page 75.
   - Executed your desired command from the following:
     - Using Controllable Outlets on Cloud-Connected Devices, on page 88
     - Using the Reboot Device Command, on page 91
     - Using the Diagnostic Logs Command, on page 93
     - Using the Configure Device Command, on page 96
     - Using the Upgrade Firmware Command, on page 98
2. After clicking Proceed with Command on a pop-up confirmation, the Command tab appears.

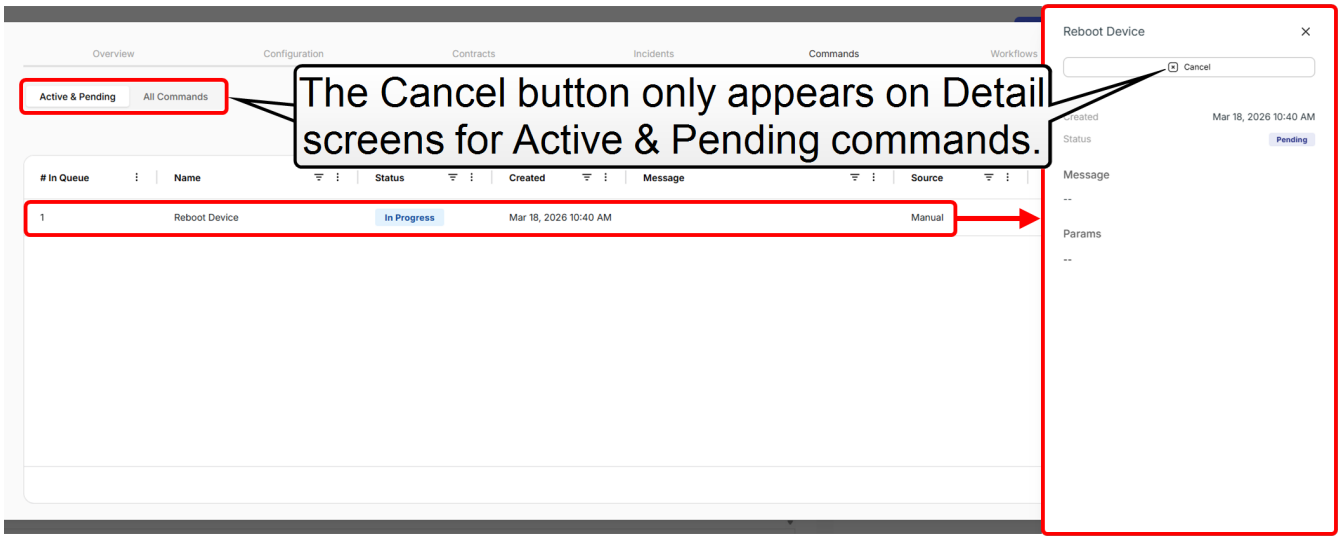


NOTE

- Commands tab controls are shown in this topic using the Active & Pending view after executing a Reboot command. Controls are similar from the Active & Pending or All Commands view on other commands unless otherwise noted.
- Many cloud topic images come from a RackLink Select 1015 model PDU. Procedures and images are similar for other cloud-enabled products unless otherwise noted.

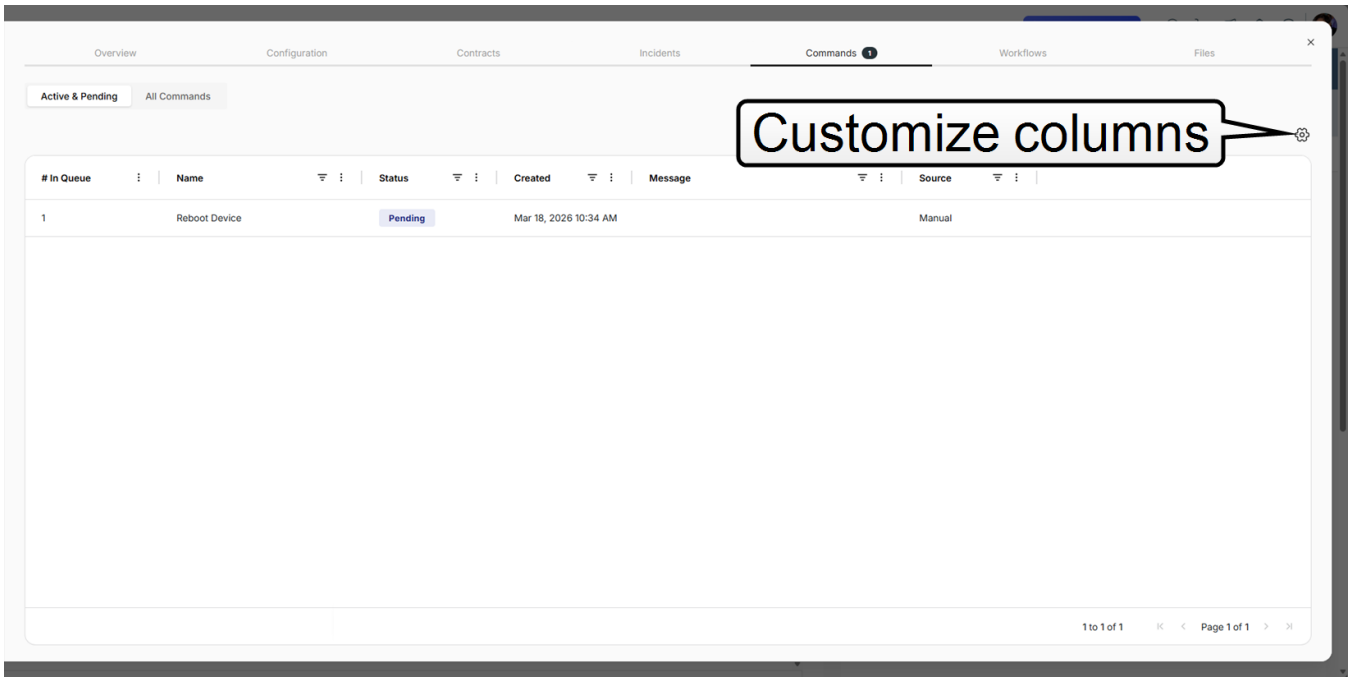
- Double-click a specific command record from either the Active & Pending or All Commands views and a details screen appears as shown.

> **NOTE** A Cancel button is only available when accessing the details screen from the Active & Pending view. Otherwise, display fields are similar on the details screen from the Active & Pending or All Commands view.

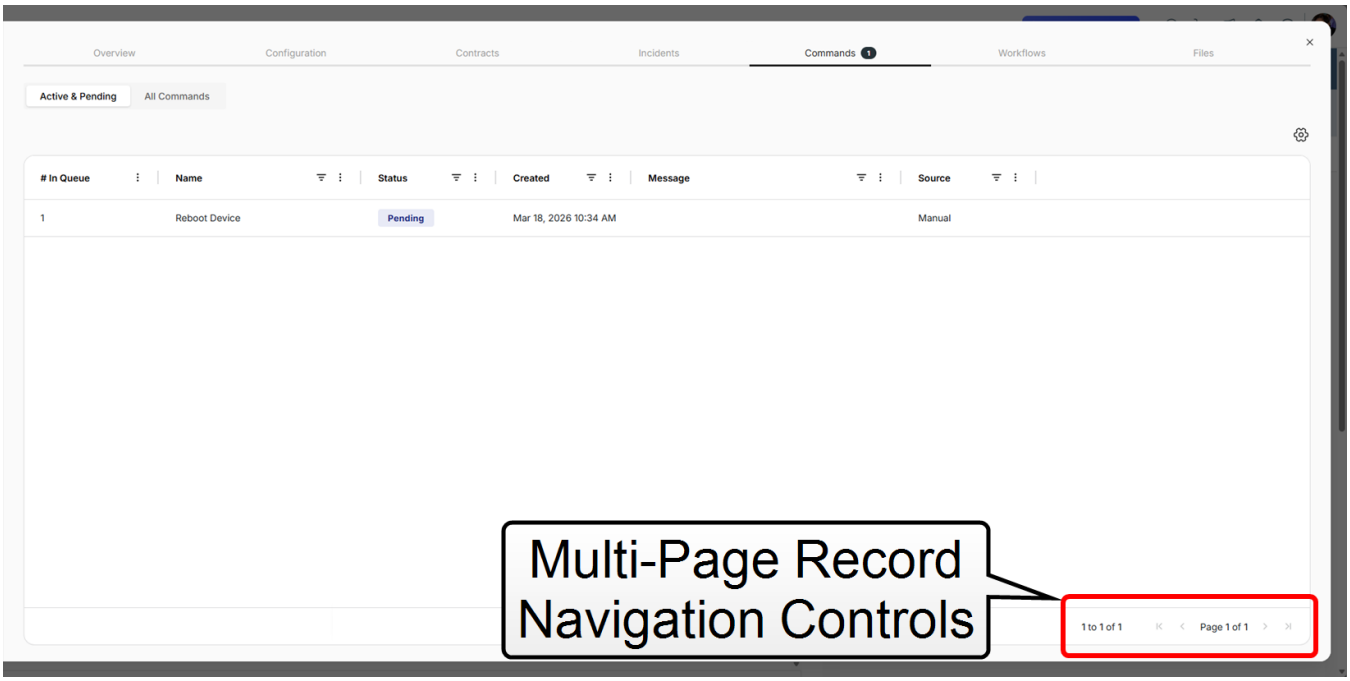


- Use column heading controls to filter, sort, and resize the columns as desired.

Click Customize columns to select and sort them on the Commands tab as shown.



- Navigate multi-page records from either the Active & Pending or All Commands views using the controls on the lower-right of the screen.



TIP Use the Files tab to find downloads that were stored as part of an executed command, such as Diagnostic Logs.

NOTE Log file format (.zip or .tar) is determined by the device.

Scheduling Settings

1. Use the RackLink Discovery Tool and connect to a RackLink device.

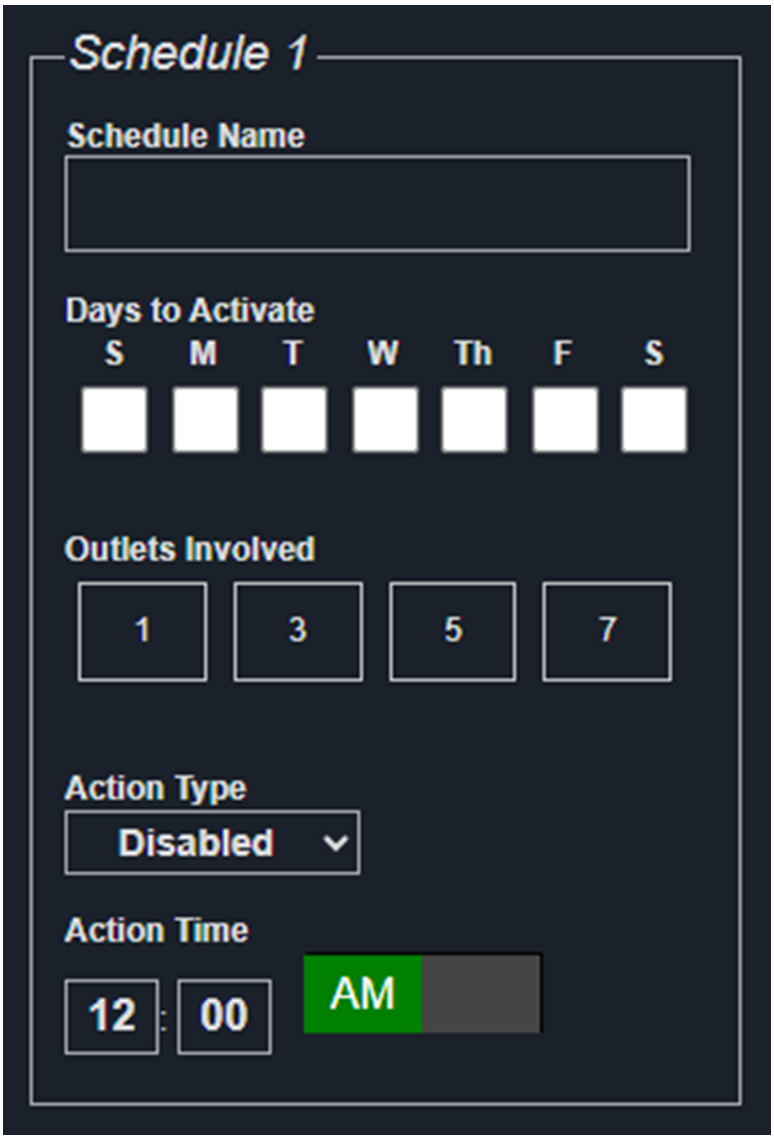
   For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

2. Log in using the Admin account to access the Administrator Settings menu.

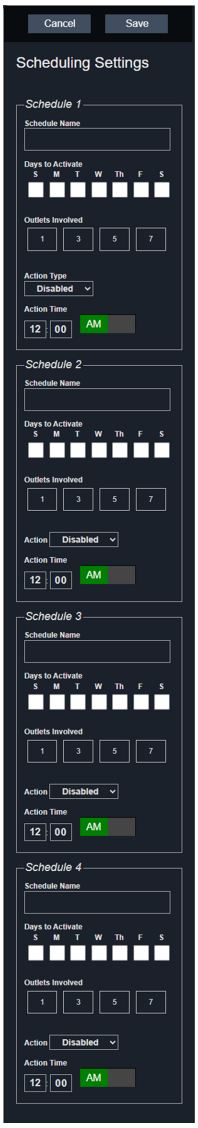
   For more information, see Accessing the Web Interface, on page 53.

3. Click **Scheduling Settings** on the Administrator Settings menu.

The Scheduling Settings screen appears.



The screen provides 4 schedules for you to configure regardless of your specific PDU model.



4. Configure a schedule using the following fields.
   a. In the **Schedule Name** text box, enter a name as desired.
   b. Select corresponding **Days to Activate** check boxes for the days of the week you want your schedule to be active.
   c. Select corresponding **Outlets Involved** boxes to apply the schedule configuration to specific controllable outlets as desired.

> **NOTE**
>
> The Outlets Involved boxes vary based on your PDU model and represent the controllable outlets on your specific unit.
>
> For example, the Outlets Involved shown in the previous image is from a Select Series PDU with RackLink 1015 unit where outlets 1, 3, 5, and 7 are controllable outlets.
>
> For more information, see Understanding RackLink Model Feature Sets, on page 43, Configuring Outlet Controls, on page 60

d. Use the **Action Type** drop-down to select the desired function for your schedule from the following options:

- **Disabled**: No action executes.
- **Power Off**: The selected Outlets Involved turn OFF when the schedule executes.
- **Power On**: The selected Outlets Involved turn ON when the schedule executes.
- **Power-cycle**: The selected Outlets Involved turn OFF when the schedule executes and then turn back ON.

> **NOTE**
>
> - The Power-cycle time depends on how you may have your specific, controllable outlet cycle time configured.
>
> For more information, see Configuring Outlet Controls, on page 60.
> - When multiple Outlets Involved are selected, the system waits for the first in the sequence to fully cycle before proceeding to the next outlet.

e. Use the **Action Time** fields to specify the exact for hour, minute, AM, and PM when the Action executes.

5. Click **Save**.

> **NOTE**
>
> The system warns you that using an NTP server is highly recommended and that the system waits for the first in the sequence to fully cycle before proceeding to the next outlet.
>
> For more information, see Configuring Date/Time Settings, on page 117.

Configuring Date/Time Settings

1. Use the RackLink Discovery Tool and connect to a RackLink device.

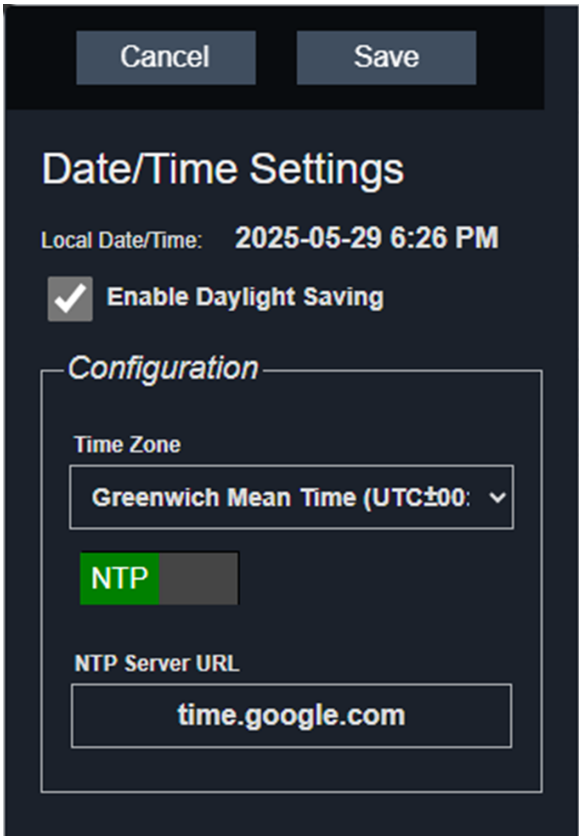
   For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

2. Log in using the Admin account to access the Administrator Settings menu.

   For more information, see Accessing the Web Interface, on page 53.

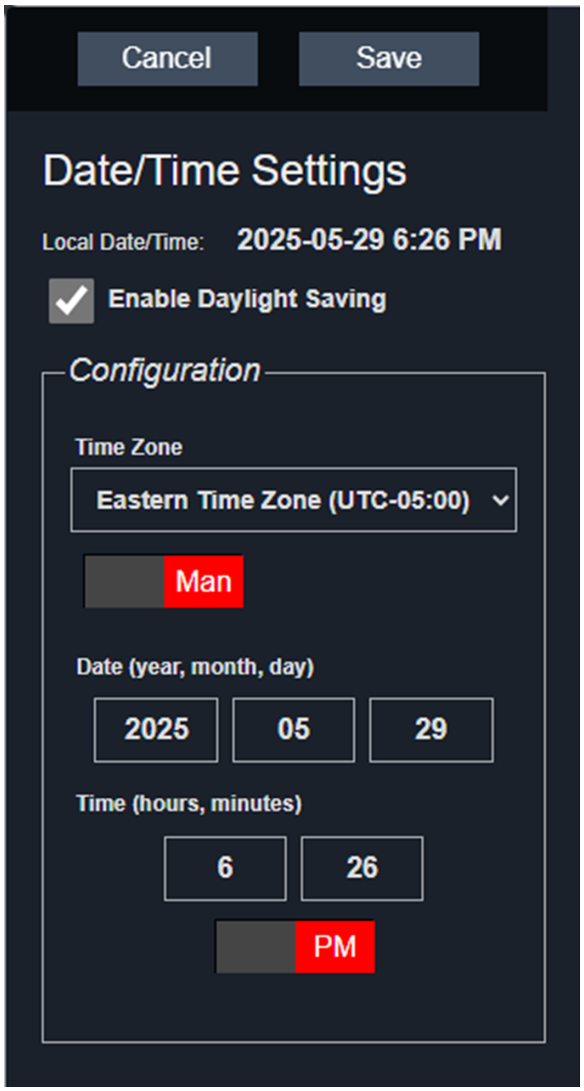
3. Click **Date/Time** on the Administrator Settings menu.

   The Date/Time Settings screen appears.



4. The Local Date/Time section of the screen displays the current date and time.
5. Select the **Enable Daylight Saving** check box to enable daylight saving time, if desired.
6. The Configuration area of the screen includes the following:
   a. In the Time Zone drop-down, select your desired time zone.
   b. Selecting NTP or Manual produces different fields as follows:

- Select **NTP** and the NTP Server URL field remains. Specify an NTP server address of your choice. The default is pool.ntp.org.
- Select **Manual** and the Date and Time fields appear while the NTP Server URL field is removed. Specify a date and time as desired.



7. Click **Save**.

TIP To restore the default settings, see Restoring Factory Defaults, on page 124.

Configuring Device Settings

1. Use the RackLink Discovery Tool and connect to a RackLink device.

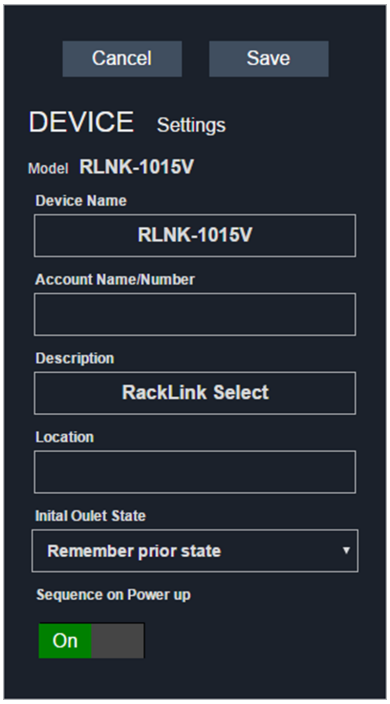
   For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

2. Log in using the Admin account to access the Administrator Settings menu.

   For more information, see Accessing the Web Interface, on page 53.

3. Click **Device Settings** on the Administrator Settings menu.

   The Device Settings screen appears.



4. Configure the Device Settings screen as follows:
   - In the Device Name field, enter your desired name for your RackLink device. This value appears in the top of the web interface and is shown in the RackLink Discovery Tool.
   - In the Account Name/Number field you may enter a user-defined value for your own reference.
   - In the Device Description field, you may provide a description for your RackLink device.
   - In the Location field, specify a particular location where your RackLink device is kept.
   - In the Initial Outlet State drop down, select from the following values:

- Select **Remember prior state** to have the outlets remain in their prior state
- Select **OFF** to have the outlets Off during power up as their default setting.
- Select **ON** to have the outlets On during power up as their default setting.

> **NOTE** This setting is only applicable to outlets that are not included in sequencing or when Sequence on Power Up is Off. On is the factory default setting for an outlet.

For more information about which outlets are included or excluded from sequencing, see Configuring Outlet Controls, on page 60.

- Turn Sequence on Power Up On or Off to determine whether or not your RackLink device will perform a sequence while powering up. The default setting is On.

  For more information about which outlets are included or excluded from sequencing, see Configuring Outlet Controls, on page 60.

- Click the **Reboot** button.

  The outlets sequence off while your RackLink device reboots. When the system comes back up, the outlets are brought back to their initial state and sequence setting.

5. Click **Save**.

> **TIP** To restore the default settings, see Restoring Factory Defaults, on page 124.

Configuring Email Settings

> **NOTE** If you use Gmail and have two-factor authentication configured, you'll need to create an app password to give your RackLink device permission to access the account. The app password is used in place of your main Gmail password configured later in this topic.
>
> For more information, refer to Google Support at https://support.google.com/accounts/answer/185833?hl=en.

1. Use the RackLink Discovery Tool and connect to a RackLink device.

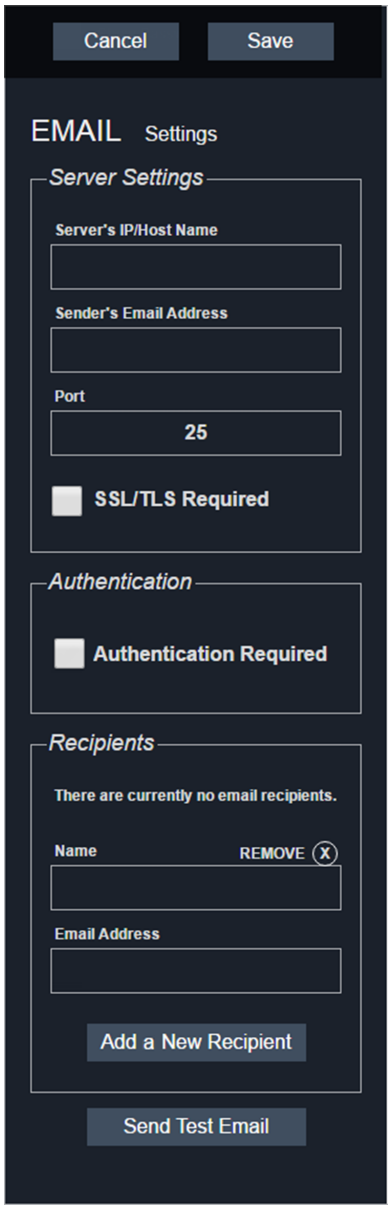
   For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

Log in using the Admin account to access the Administrator Settings menu.

For more information, see Accessing the Web Interface, on page 53.

2. Click **Email** on the Administrator Settings menu.

   The Email screen appears.



3. Configure the Server Settings section of the screen as follows:
   - In the Server's IP/Host Name field, enter the IP or host name of your mail server.
   - In the Sender's E-mail Address field, enter the email address to appear as the "from" address in emails sent by your RackLink device.

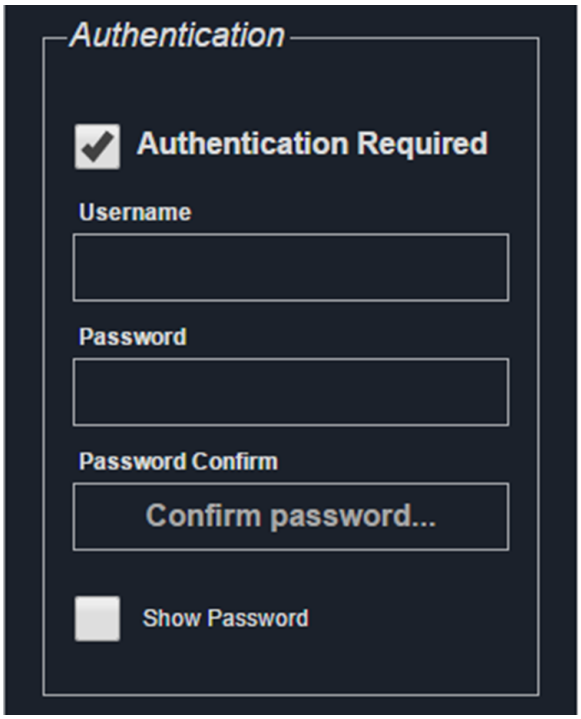
- In the Port field, enter the port you wish to use on your mail server. The default port is 25.

> **NOTE**
>
> - Ensure that the server name you provide is a fully qualified domain name.
> - Verify you are using the correct port number and verify that your network is not blocking outbound traffic on the port.

- Select the **SSL/TLS** check box if you wish to use SSL/TLS encryption on your server.

4. Select the **Authentication** check box if you wish to require Authentication on your mail server.

   This enables the following fields:



   - In the Username field, enter the user name on your mail server.
   - In the Password field, enter the password on your mail server.
   - In the Confirm Password field, confirm the password on your mail server.
   - Select the **Show Password** check box to remove masking dots and show the password characters as you type them.

5. Click **Add A New Recipient** beneath the Recipients section of the screen to show the following fields:

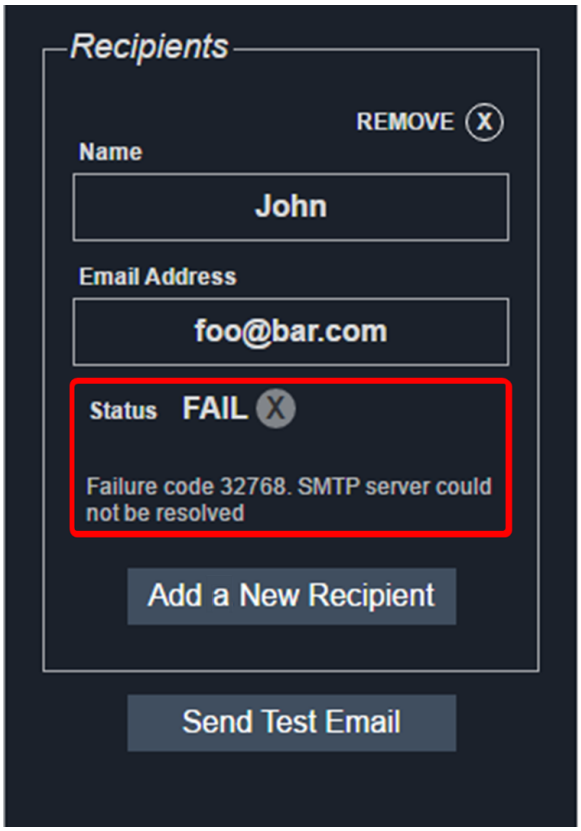
- Provide Name and Email Address information for up to 5 email recipients.
- Click **Remove** to delete any of the email recipients you entered.
- Edit Name and Email text and click **Save** as desired.
- Status information appears under corresponding email recipients for the following events:
  - PASS

    `Success. Email Sent.`
  - FAIL

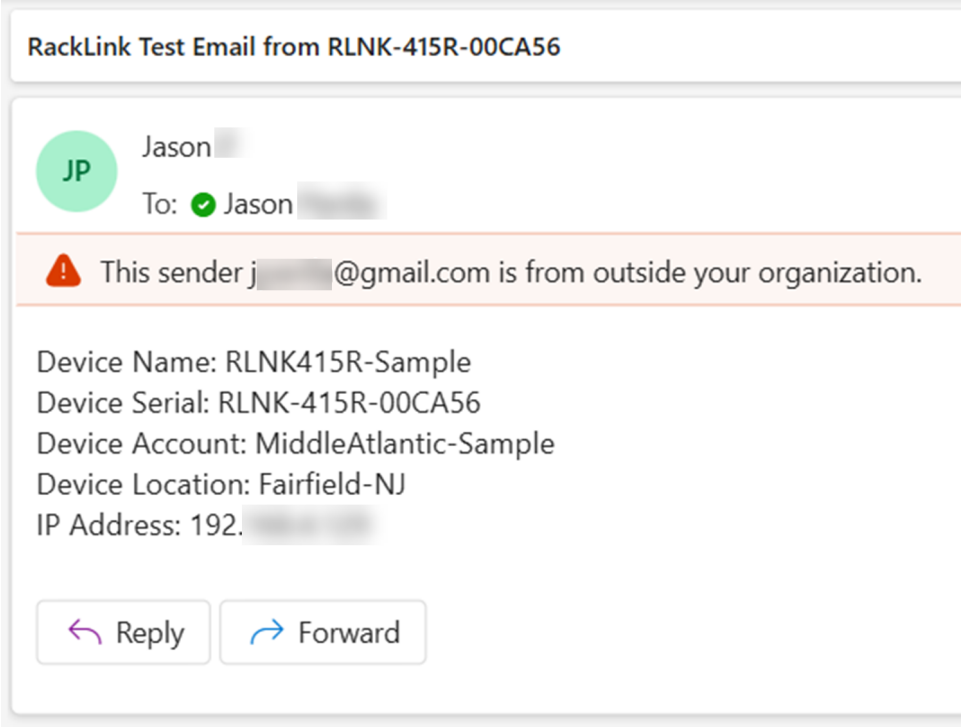
    `Failure code ###. SMTP Server could not be resolved.`

    `Failure code ###. The SMTP server connection failed or was prematurely terminated.`

    `Failure. The SMTP return code was ###.`



Click **Send Test Email** to send a test email to each recipient you've saved in the system and ensure your email alert system is working properly. Test emails look similar to the following image.



The system also sends emails when the auto-ping settings are met on enabled outlets.

For more information, see Configuring Outlet Controls, on page 65.

> **NOTE** The system also sends emails when the auto-ping settings are met on enabled outlets.

6. Click **Save**.

> **TIP** To restore the default settings, see Restoring Factory Defaults, on page 124.

Restoring Factory Defaults

> **NOTE** The Factory Reset button on your RackLink unit resets to DHCP and default passwords. For more information, see Understanding RackLink Model Feature Sets, on page 43. For more information about default password reset on first login, see Accessing the Web Interface, on page 53.

You can select which factory default settings are restored on your RackLink device as follows:

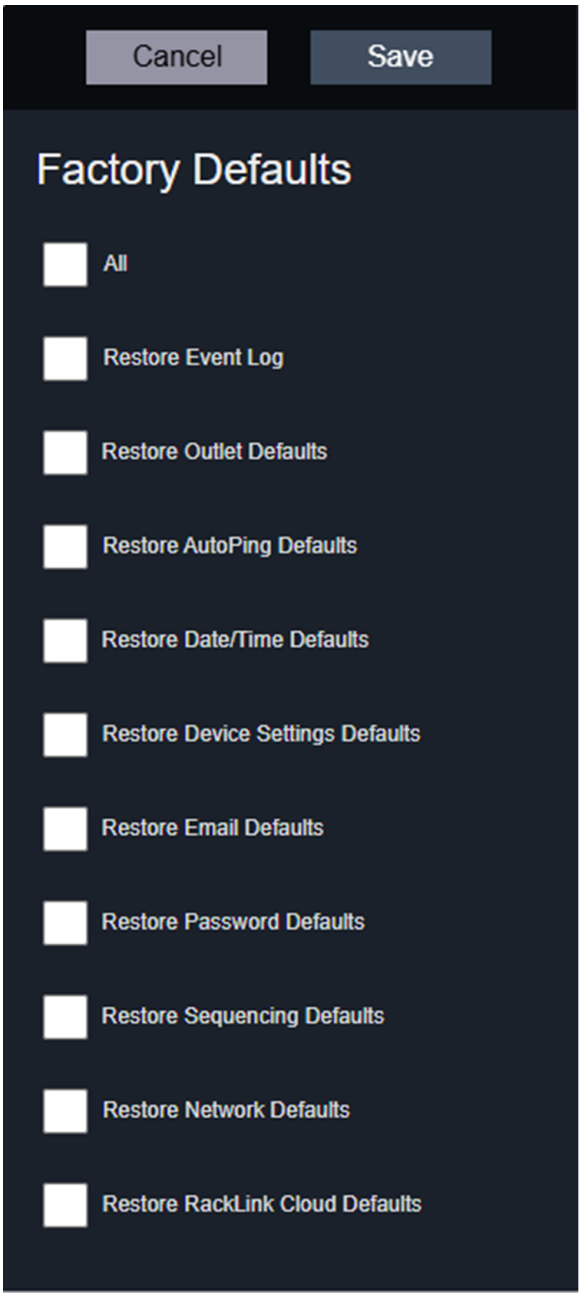
- All
- Restore Event Log
- Restore Outlet Defaults
- Restore AutoPing Defaults
- Restore Date/Time Defaults
- Restore Device Setting Defaults
- Restore Email Defaults
- Restore Password Defaults
- Restore Sequencing Defaults
- Restore Network Defaults
- Restore RackLink Cloud Defaults

1. Use the RackLink Discovery Tool and connect to a RackLink device.

   For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.
2. Log in using the Admin account to access the Administrator Settings menu.

   For more information, see Accessing the Web Interface, on page 53.
3. Click **Factory Defaults** on the Administrator Settings menu.

The Factory Defaults screen appears.



4. Select check boxes for the items you wish to restore on your RackLink device. Select the **All** check box to mark them all with a single click.
5. Click **Save**.

Updating Device Firmware

NOTE

If you are running a firmware 1.x version on your device, you must first upgrade to the 1.16.04 release before installing version 2.0 and beyond.

For more information, refer to the Middle Atlantic Power Downloads page at: https://www.legrandav.com/resources/power-downloads.

1. Use the RackLink Discovery Tool and connect to a RackLink device.

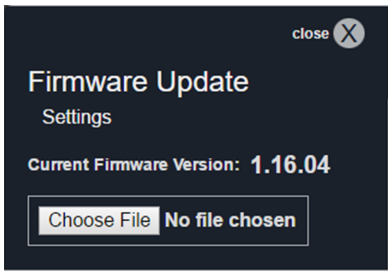
   For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

2. Log in using the Admin account to access the Administrator Settings menu.

   For more information, see Accessing the Web Interface, on page 53.

3. Click **Firmware** on the Administrator Settings menu.

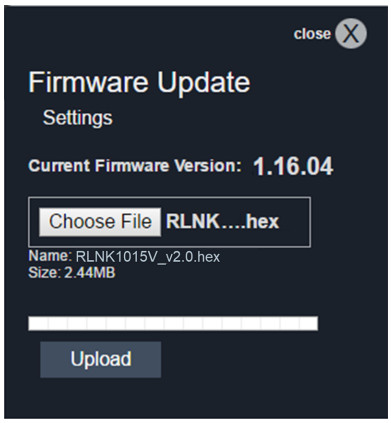
   The Firmware screen appears.



4. View the Current Firmware Version for the number of the latest firmware installation.

   Click **Choose File** to locate a newer firmware version file you wish to upload to your RackLink device.

5. After choosing a file, the file Name, Size, and a Transfer Status bar appear, and the Upload button is enabled.



6. Click **Upload**.
7. The Transfer Status bar progresses and indicates a percentage. The status then changes to **`Finalizing`** until indicating **`Transfer Successful`**.
8. After the transfer completes, the Restart button appears and the system indicates an upload reminder that the "Unit will sequence down, install the new firmware, and return to the main page."

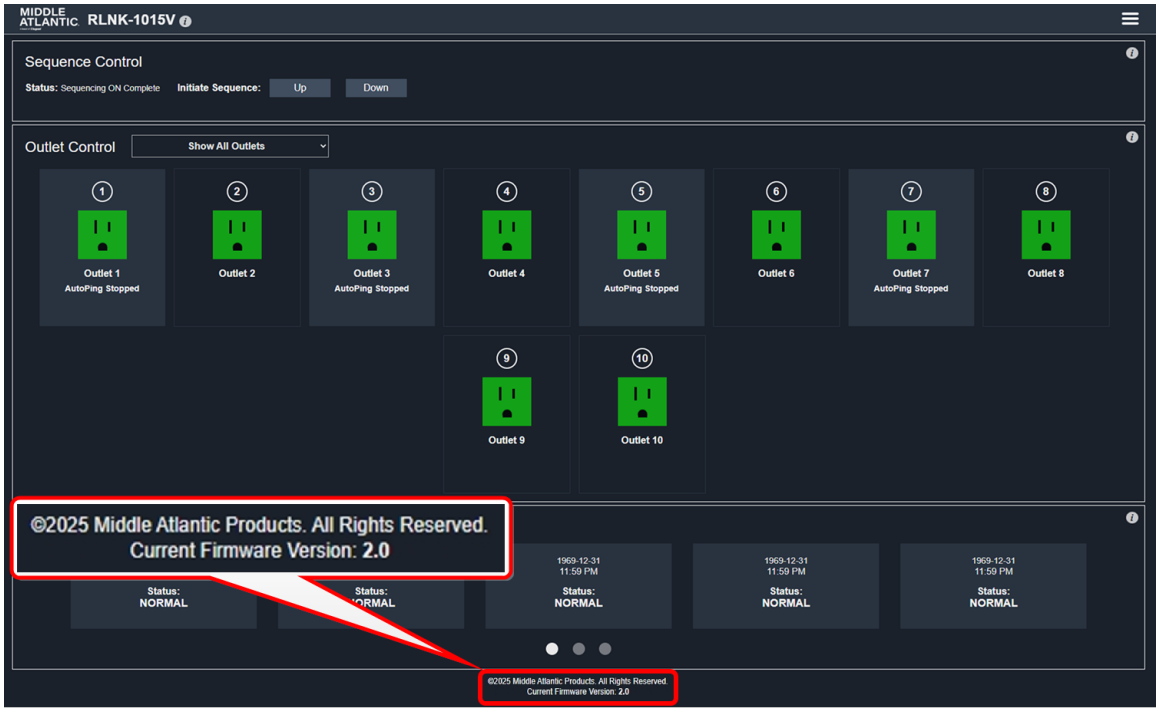
9. Click **Restart**.

A message then appears indicating "Sequencing down the device and updating its firmware. This page will reload in: XX seconds."

NOTE

- The unit will sequence down, install the new firmware version, and then power back up.
- The Alert LED blinks green while the system restarts. Do not power down your unit during the system restart.

10. When the dashboard appears, confirm that the firmware version is correct.



Configuring Network Settings

1. Use the RackLink Discovery Tool and connect to a RackLink device.

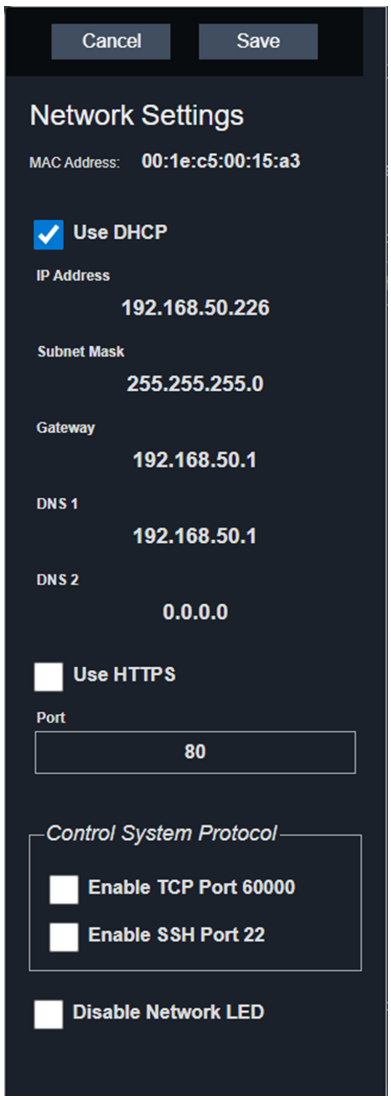
   For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

2. Log in using the Admin account to access the Administrator Settings menu.

   For more information, see Accessing the Web Interface, on page 53.

3. Click **Network** on the Administrator Settings menu.

   The Network screen appears.



4. The MAC Address displays the unique MAC Address of your specific RackLink device.
5. Use DHCP or configure your IP settings manually as follows:

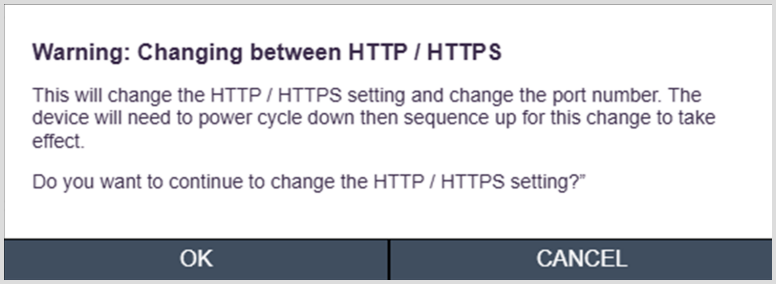
- Select the DHCP check box to use a DHCP server for configuring all IP address settings.
- Clear the DHCP check box to configure the following IP settings manually:
  - Device IP Address
  - Subnet Mask
  - Gateway
  - DNS1 (Primary DNS)
  - DNS2 (Secondary DNS, Optional)

6. Configure HTTP or HTTPS settings as follows:

   Dual Warning

WARNING

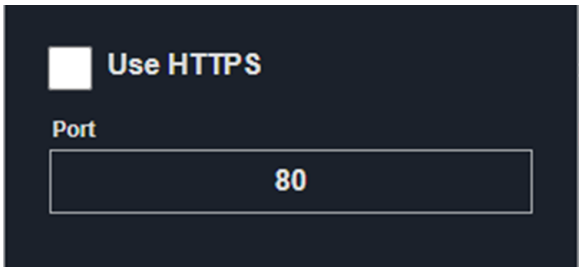
Consider the actively running equipment connected to your PDU when saving your HTTPS or HTTP settings. When changing the HTTP/HTTPS setting and saving this screen, the system prompts you with a notification that, after clicking OK, your device will power cycle down and then sequence up for the change to take effect.



AVERTISSEMENT

Tenez compte de l'équipement en fonctionnement connecté à votre PDU lorsque vous enregistrez vos paramètres HTTPS ou HTTP. Lorsque vous modifiez le paramètre HTTP/HTTPS et que vous enregistrez cet écran, le système vous avertit qu'après avoir cliqué sur OK, votre appareil doit s'éteindre puis se rallumer pour que la modification prenne effet.

- Clear the **Use HTTPS** checkbox to use HTTP.



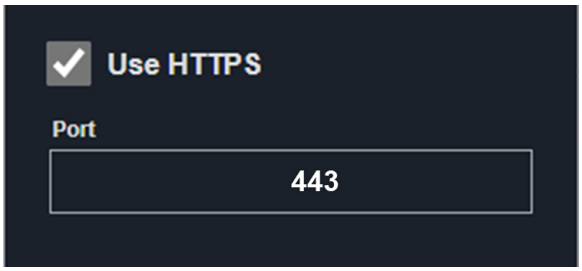
  - The default Port is automatically set to 80 and may be changed to a specific number, if desired.

> **NOTE** When using HTTP, you may specify your selected port as part of the URL when accessing the page, if desired.

  - Port 443 is specifically reserved for HTTPS and may not be used for HTTP.

> **NOTE**
>
> The following port numbers are already used by the system and may not be specified as the port for HTTP:
>
> - 7 (ICMP/Ping)
> - 54632 (Discovery)
> - 60000 (Control Protocol)

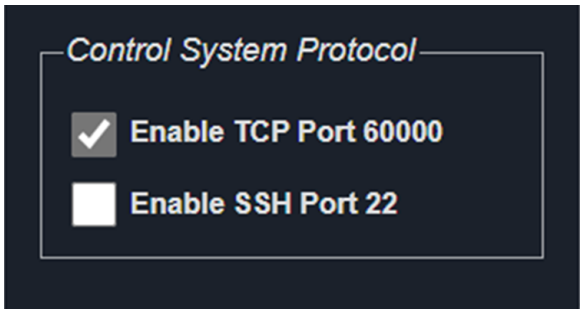
- Select the **Use HTTPS** check box to enable secure HTTP.



  - Enabling HTTPS disables HTTP. Only one method may be enabled at a time.
  - The default Port is automatically set and locked to 443.
  - If you enter 443 in the Port field and move to a different field before selecting the Use HTTPS check box, the system automatically enables HTTPS.

NOTE With HTTPS enabled, do not specify port 443 as part of the URL when accessing the page.

7. Configure Control System Protocol settings as follows:
   - Select the **Enable TCP Port 60000** check box to enable the TCP port.



   - Select the **Enable SSH Port 22** check box to enable the SSH port.

NOTE
- SSH is typically enabled by default.
- Your administrative username and password from the RackLink system is used when establishing the SSH connection. While hex-based login commands are used for the port 60000, they are not used for this port 22.

8. Select the **Disable Network LED** check box to keep the Alert LED from signaling the network alerts. Keep in mind, the Alert LED blinks green during system restarts, when acquiring an IP address, and applying settings. Users running non-networked installations may prefer this option.

TIP If you are running a non-networked installation, you may prefer disabling the network LED with this setting.

Locate the Alert LED on your unit to determine if you would prefer it disabled. For more information, see Understanding RackLink Model Feature Sets, on page 43.

9. Click **Save**.

WARNING

Consider the actively running equipment connected to your PDU when saving your HTTPS or HTTP settings. When you click save after changing any of these specific fields, the system warns you that all outlets are power cycled while applying the settings.

AVERTISSEMENT

Tenez compte de l'équipement en fonctionnement connecté à votre PDU lorsque vous enregistrez vos paramètres HTTPS ou HTTP. Lorsque vous cliquez sur save après avoir modifié l'un de ces champs spécifiques, le système vous avertit que toutes les prises sont mises hors tension pendant l'application des paramètres.

NOTE

- The Alert LED blinks green while the system restarts, acquires an IP address, and applies your settings. Do not power down your unit during the system restart.
- If using DHCP and the device does not receive a request after 30 seconds, it will default to 192.168.1.200 and the Alert LED alternates between red and green.

TIP

To restore the default settings, see Restoring Factory Defaults, on page 124

Configuring Passwords

When logged in to the web interface using the Admin account, you can change the passwords for the User, Admin, and Control Systems accounts.

NOTE

- For default account names, passwords, and logging in for the first time, see Accessing the Web Interface, on page 53.
- While passwords may be changed by the administrator, account names are fixed and cannot be changed.

1. Use the RackLink Discovery Tool and connect to a RackLink device.

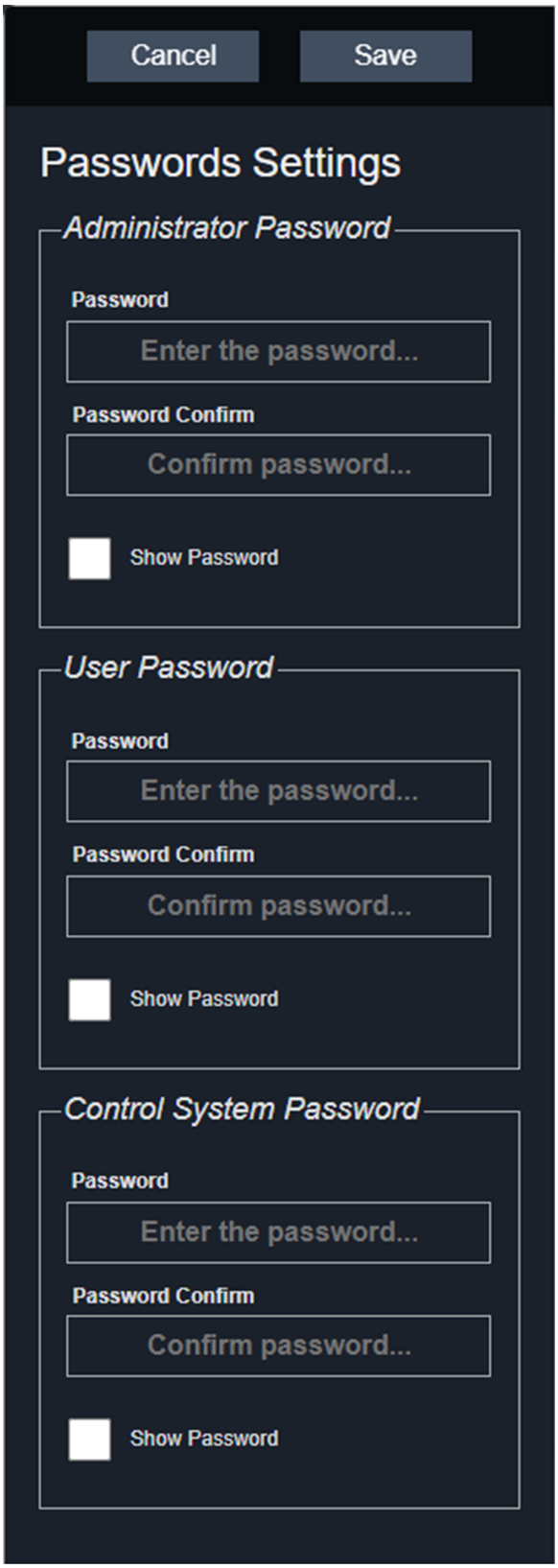
   For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

2. Log in using the Admin account to access the Administrator Settings menu.

   For more information, see Accessing the Web Interface, on page 53.

3. Click **Passwords** on the Administrator Settings menu.

The Passwords screen appears.



4. Enter and confirm the passwords to change the Administrator, User, and Control System accounts, as desired.
5. Select the **Show Password** check box to display the actual characters in corresponding text boxes.
6. Click **Save**.

TIP To restore the default settings, see Restoring Factory Defaults, on page 124

Downloading and Using the RackLink Device Discovery Tool

The following steps and topics show you how to download and use the RackLink Device Discovery Tool on your Windows®, Mac®, or Linux® computer.

1. If you haven't done so already, download the Device Discovery Tool software installer onto your computer from the Power Downloads page at: https://www.legrandav.com/resources/power-downloads.
2. Use the following topics to install the software based on your specific operating system.
   - For Windows, see Installing the RackLink Device Discovery Tool Software on a Windows PC, on page 139.
   - For Mac, see Installing the RackLink Device Discovery Tool Software on a Mac, on page 141.
   - For Linux, see Installing the RackLink Device Discovery Tool Software on Linux, on page 143.

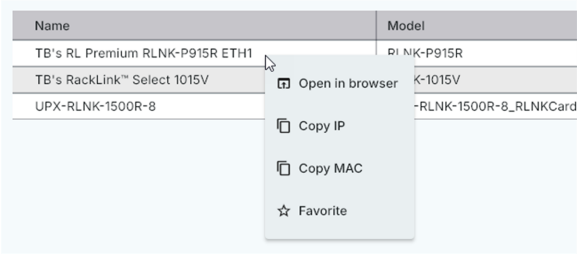
   

   NOTE You may need to contact your administrator to install software on your computer.
3. Whenever you launch the RackLink Device Discovery Tool, the program automatically discovers all RackLink devices on the subnet to which you are connected.

NOTE

- The examples shown in this topic are from a Windows PC. The procedures and images are similar on Mac or Linux as well.
- You may need to configure your firewall to discover your device. If you are on a managed corporate network, please ask your network administrator for guidance. For personal devices, refer to your operating system's security documentation to verify any necessary ports are open.
- By default, RackLink devices are set for DHCP. You can identify each device by the MAC address or IP address.

4. Click **Scan** to refresh any new or changed RackLink devices on your subnet.
5. Right click on a listed device's row and choose from the following options:



- Select **Open in browser** to access the corresponding web interface.

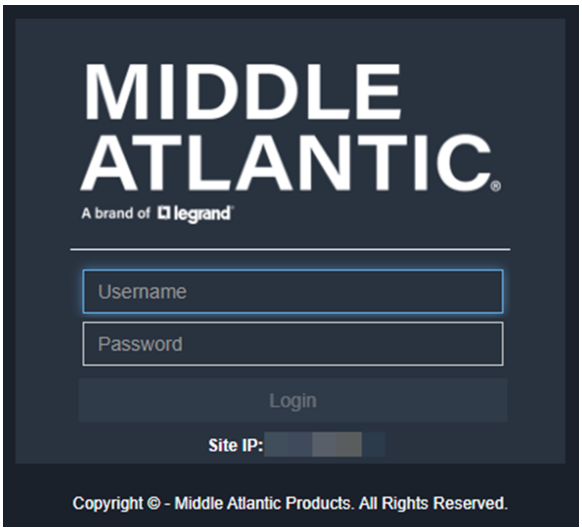
TIP

Double-click the row (except in the Favorites column) to quickly access the corresponding web interface.

- Select **Copy IP** to copy the device's IP address value to your clipboard.
- Select **Copy MAC** to copy the device's MAC address value to your clipboard.
- Select **Favorite** to "pin" the device row to the top when multiple products are listed.

TIP Click the **Favorite** star (without right-clicking) to add the device to your favorites.

6. When accessing the web interface, the system prompts you for a username and password.

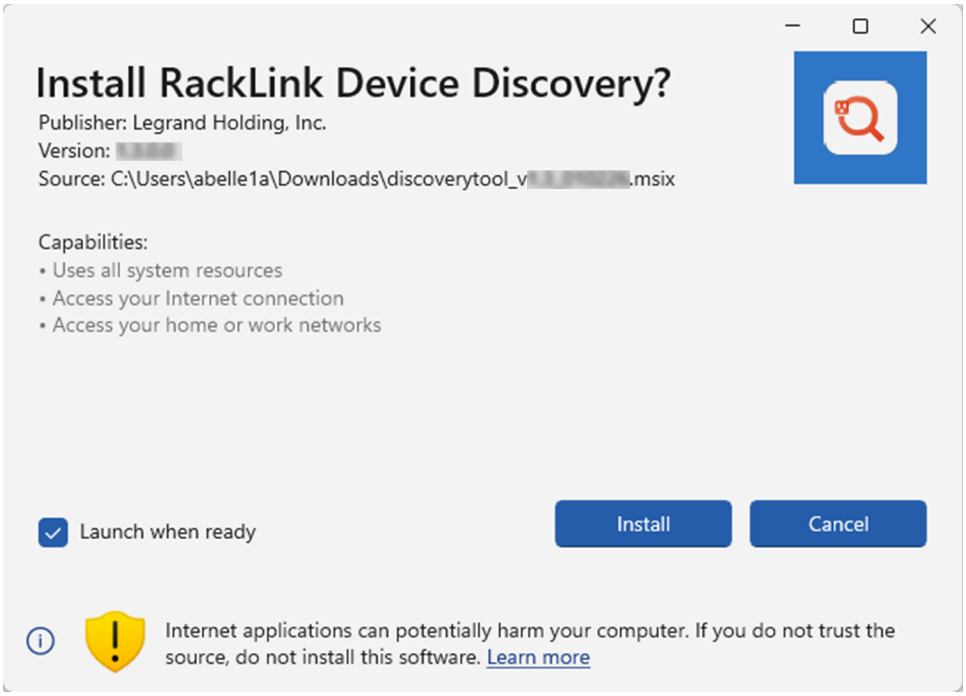


Installing the RackLink Device Discovery Tool Software on a Windows PC

Use the following steps to download and install the Device Discovery Tool software on a PC.

1. If you haven't done so already, download the Device Discovery Tool software installer onto your computer from the Power Downloads page at: https://www.legrandav.com/resources/power-downloads.
2. Run the Windows MSIX file.

The Device Discovery installer appears.



3. Select the Launch when ready check box.
4. Click **Install**.

   After the application is installed on your system, the Device Discovery Tool launches and automatically discovers all RackLink devices on the subnet to which you are connected.

For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

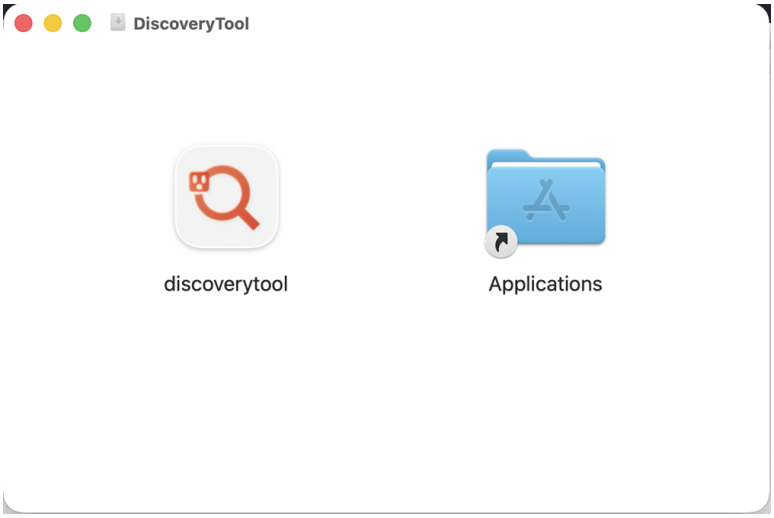
Installing the RackLink Device Discovery Tool Software on a Mac

Use the following steps to download and install the Device Discovery Tool software on a Mac.

1. If you haven't done so already, download the Device Discovery Tool software installer onto your computer from the Power Downloads page at: https://www.legrandav.com/resources/power-downloads.
2. Run the Mac setup (.dmg) file.

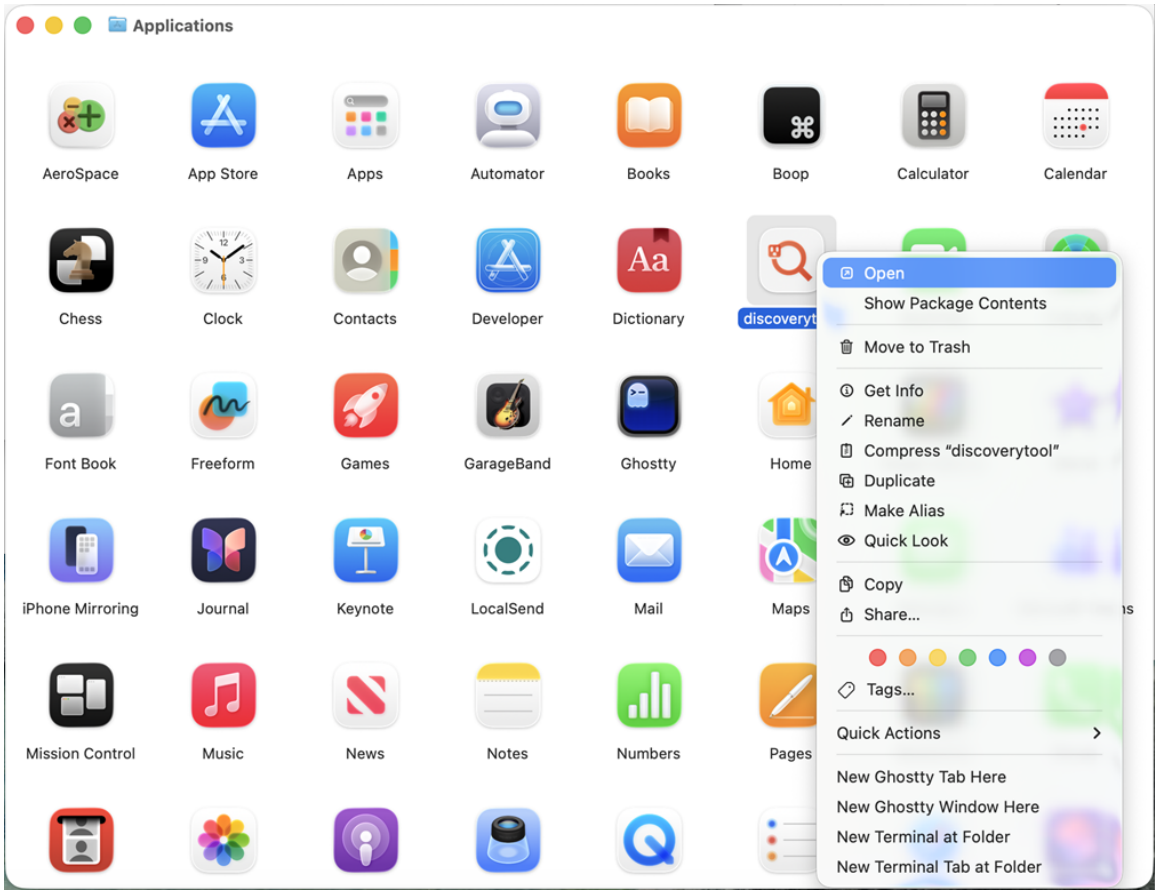
   TIP You may have to use Finder to locate the file on your system.

   The Discovery Tool installer appears.



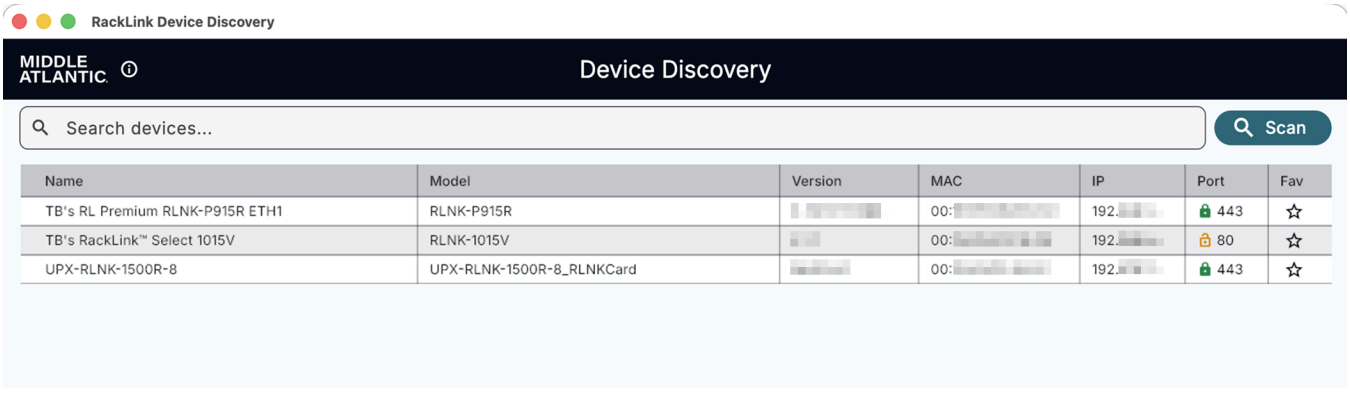
3. Drag and drop the Discovery Tool icon onto the **Applications** folder.
4. Double-click the **Applications** folder to open it.

The Applications folder content appears.



5. Right-click the Discovery Tool icon and select **Open**.

   The main screen of the Device Discovery Tool appears.

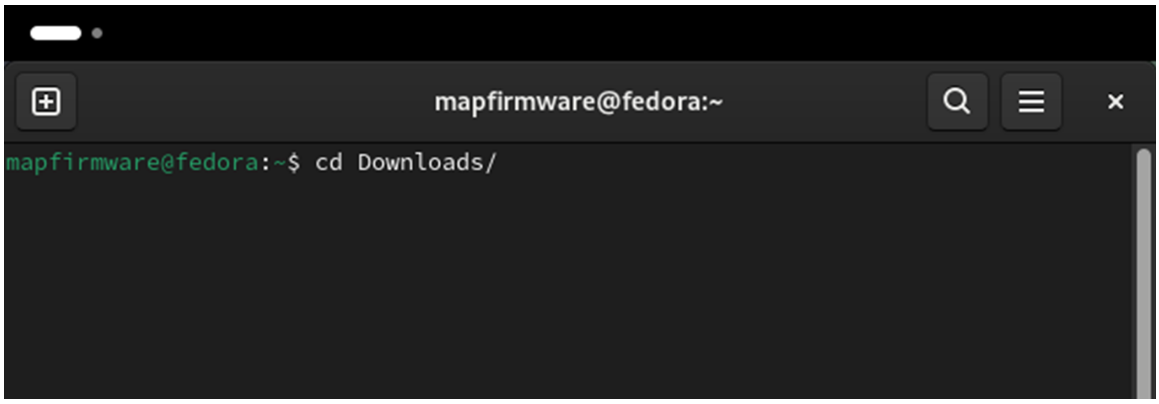


For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

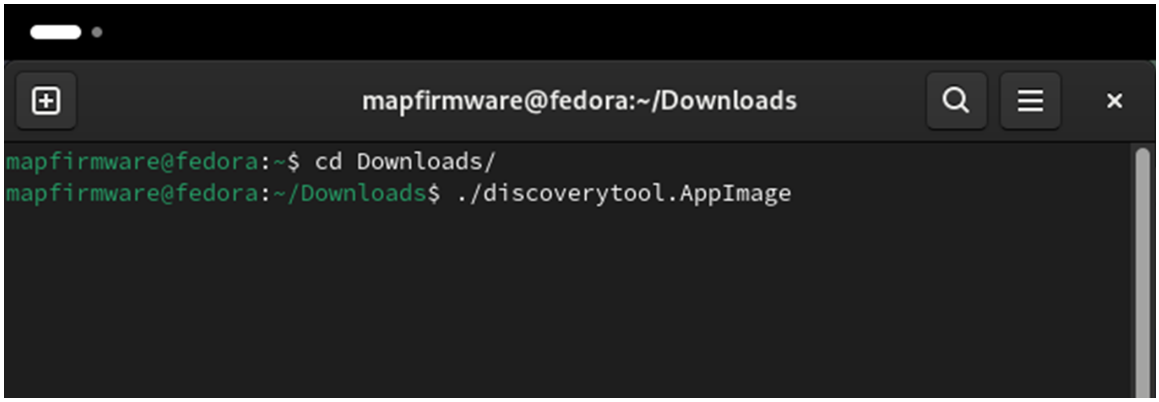
Installing the RackLink Device Discovery Tool Software on Linux

Use the following steps to download and install the Device Discovery Tool software on Linux®.

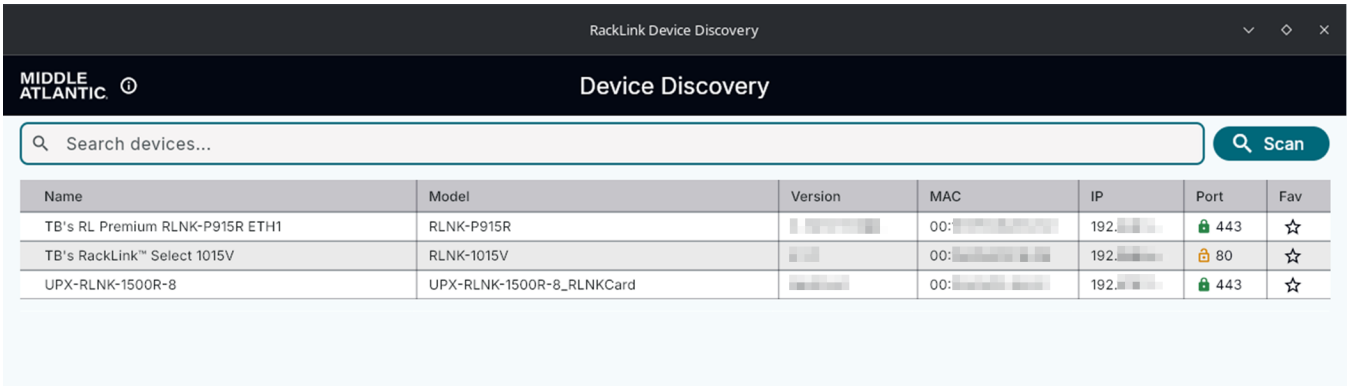
1. If you haven't done so already, download the Device Discovery Tool software installer onto your computer from the Power Downloads page at: https://www.legrandav.com/resources/power-downloads.
2. Open a command prompt and type **`cd Downloads/`** (or wherever you downloaded the installer on your system) and press **enter**.



3. Type **`./discoverytool.AppImage`** and press **enter** to launch the installer.



The main screen of the Discovery Tool appears.

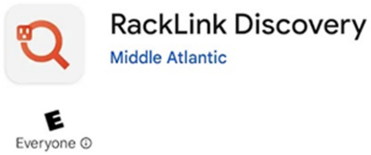


For more information, see Downloading and Using the RackLink Device Discovery Tool, on page 137.

Downloading and Using the Mobile App

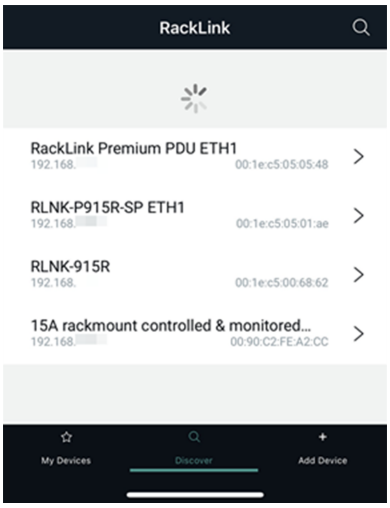
The mobile application allows real-time control of any controllable outlet from your mobile phone.

1. Download the RackLink app from the Google Play™ store or the App Store® and install it on your smartphone.

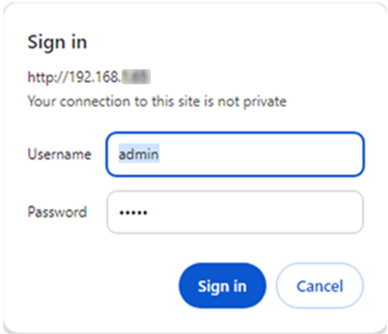


2. Make sure your smartphone is on the same network as your RackLink device, and then open the application.

After opening the application, it automatically searches for any available RackLink devices on your network and then lists them on the screen.



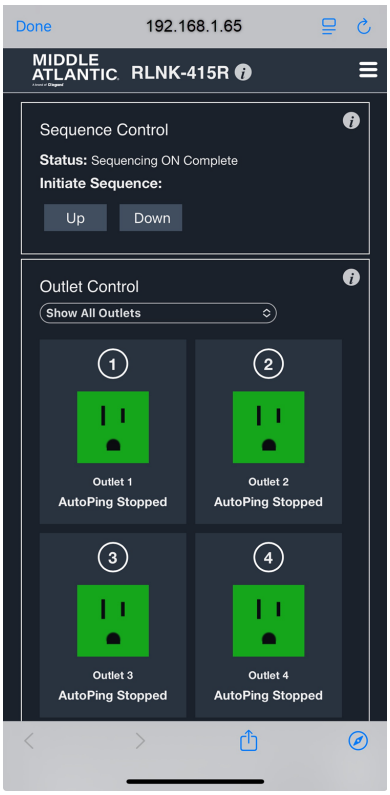
3. Touch the RackLink device you wish to access. The selected device then prompts you for your username and password.



4. Log into the Administrator, User, or Control Systems account on your RackLink device.

   For more information, see Accessing the Web Interface, on page 53.

The application then shows the dashboard for the corresponding RackLink device.



NOTE On-screen user interface elements in the application are similar to the ones found in the web interface. For more information, see Accessing the Web Interface, on page 53.

Troubleshooting

This topic includes groups of common questions along with corresponding solutions when using your PDU.

General Troubleshooting Items

What if I forget my password?

Press the Factory Reset button on the device. This defaults the permissions to username: admin and password: admin. For more information, see Understanding RackLink Model Feature Sets, on page 43.

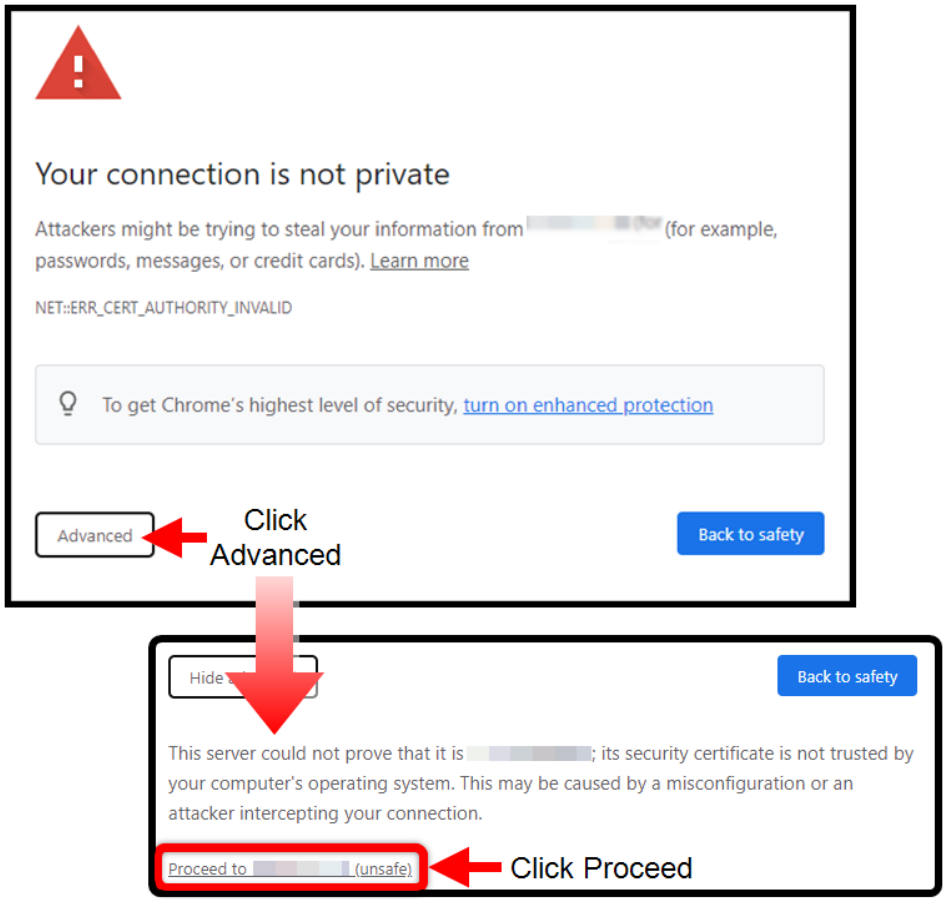
NOTE If you have configured your RackLink to use TCP/IP, resetting the system restores it to using DHCP. For more information, see Setting Up Your RackLink Device for the First Time, on page 37.

What if my browser warns me when accessing the web interface?

> **NOTE** Chrome is used as the web browser for the example shown. The procedures and images are similar if you use a different browser.

Your browser is likely to display a security certificate warning when you first access the web interface.

Click **Advanced** and then **Proceed** to bypass the security certificate warning (since locally issued certificates are used at this point, unless you changed them).



For more information, see Using the Web Interface, on page 53.

What if my RackLink device is inoperable after I perform a firmware upgrade?

Contact Middle Atlantic Products Technical Support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901.

What if my RackLink device is not receiving power?

Ensure that the line cord connector is fully inserted into the back outlet and the line cord retainer clip is securely fastened. Confirm that the circuit breaker is in the ON position. Plug another device into the exact same outlet your RackLink device was using and see if the other device functions.

Troubleshooting Connectivity Issues

I connected RackLink to my network, but I can't find it in the Discovery Tool. What's wrong?

The RackLink Discovery Tool can only find RackLink devices that are on the same subnet as the computers accessing them.

- If you are using a DHCP connection, and your RackLink device is unable to obtain an IP address from the DHCP server, set your computer's IP address to 192.168.1.xxx. Where xxx is any number between 1 and 199 or 201 to 254. Your RackLink will default its IP address to 192.168.1.200 and connect with your computer.
- If you are using a TCP/IP connection, consider the following scenario:

  If your computer has an IP address of 192.168.1.50 and a subnet mask of 255.255.255.0, and your RackLink has an IP address of 192.168.2.50 and a subnet mask of 255.255.255.0, the RackLink will not be listed in the Discovery Tool. This is because the third octets of the IP addresses (1 and 2, respectively) differ. With a subnet mask of 255.255.255.0, the first three octets of the IP addresses on the computer and RackLink would have to match.

  For more information regarding IP addresses, refer to Microsoft's TechNet articles at http://technet.microsoft.com/en-us/library/cc958829.aspx.

What could be wrong if I can't access the web interface?

Check to see if you can access a standard web page, such as www.google.com. Verify that the Ethernet port's LEDs on the back of your RackLink device are solid yellow and blinking green. Review the procedures in Setting Up Your RackLink Device for the First Time, on page 37.

Troubleshooting Control System Issues

I press the Factory Reset button and reset my RackLink to factory defaults, but I'm getting a login denied response from RackLink when I sign in using the default Control Systems account and password. Why is this happening?

Earlier versions of RackLink firmware did not reset the Control Systems account password after pressing the Reset button. In such cases, perform a manual reset by accessing the Passwords screen in the web interface and setting the Control Systems account password to match your Control System. You should also update your firmware. For more information, see Updating Device Firmware, on page 127

Every time I send a command from my control system to my RackLink it responds with a "Bad Length" error. Why is this happening?

The length byte is in hexadecimal format. When you add up the total command length, make sure you convert the length from decimal format to hexadecimal format.

Every time I send a command from my control system to my RackLink it responds with a "Bad Checksum" error. Why is this happening?

Review the Checksum section of the Select Series PDU With RackLink Control System Communication Protocol Manual (I-00472) at www.legrandav.com. Make sure to AND the sum with 127 (0x7F) or modulus the sum with 128 (0x80).

Troubleshooting Alert LED States

What are the different statuses for the Alert LEDs?

Alert LED State	What it Means
Blinking Green	Acquiring IP address (during startup).
Green	Normal operation, IP acquired, and no alarms.
Blinking Green/Red	No alarms, running on default IP (DHCP not acquired).
Blinking Red	Lost IP connection.
Red	Network is active, alarms present.

Warranty

For warranty information, refer to www.legrandav.com/policies/warranty_information.

Contacting Corporate Headquarters

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