



NEXSYS™

UPS-SC600 Battery Backup

User Manual

100-00053 Rev A





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IMPORTANT SAFETY INSTRUCTIONS - EN

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

- 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.



WARNING

To reduce the risk of fire, only connect the 600VA model UPS to a circuit provided with 15A or 20A maximum branch circuit overcurrent protection in accordance with the National Electrical Code, ANSI/NFPA 70 and the Canadian Electrical Code, Part I, C22.1.



WARNING

Risk of energy hazard maximum 12 V, 6 ampere hour battery (model dependent). Before replacing batteries, remove conductive jewelry such as chains, wrist watches, and rings. High energy through conductive materials could cause severe burns.



WARNING

Risk of electric shock when remotely controlling the unit while it is being serviced. Verify that the unit is in normal operating conditions before remotely controlling it.



CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.



CAUTION

The battery can power hazardous components inside the unit, even when the AC input power is disconnected.

**CAUTION**

Not for use in a computer room as defined in the Standard for the Protection of Electronic Computer/Data Processing Equipment, ANSI/NFPA 75 when the installed battery case is HB flame class rated.

**CAUTION**

Do not dispose of batteries in a fire. The batteries may explode.

**CAUTION**

Do not open or mutilate batteries. Released material is harmful to the skin and eyes and may be toxic.

- Only use the power supply cord shipped with the unit.
- Ambient operating temperature: 104 °F (40°C) max.
- There are no user-serviceable parts inside the unit.
- Only replace with the same number of sealed lead acid batteries that correspond with your particular UPS model as specified on the following table.

UPS Models	Replacement Battery Model	Total Voltage
UPS-SC600	UPS-SCRBP	12V

- Transport the unit only in the original package to protect against shock and impact.
- The unit must be stored in a ventilated and dry room.
- Only connect the unit to a grounded, shockproof outlet, which must be easily accessible after installation and located close to the system.

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.

**AVERTISSEMENT**

Pour réduire le risque d'incendie, raccordez uniquement l'onduleur de modèle 600VA à un circuit muni d'une protection maximale contre les surintensités des circuits de dérivation 15A ou 20A conformément au Code national de l'électricité, à la norme ANSI/NFPA 70 et au Code canadien de l'électricité, partie I, C22.1.

**AVERTISSEMENT**

Risque de danger énergétique maximum 12 V, batterie de 6 ampères heures (dépendant du modèle). Avant de remplacer les piles, retirez les bijoux conducteurs tels que les chaînes, les montres-bracelets et les bagues. Une énergie élevée à travers les matériaux conducteurs pourrait provoquer de graves brûlures.

**AVERTISSEMENT**

Risque de choc électrique lors du contrôle à distance de l'unité pendant sa maintenance. Vérifier que l'unité fonctionne normalement avant de le contrôler à distance.

**ATTENTION**

RISQUE D'EXPLOSION SI LA BATTERIE EST REMPLACÉE PAR UN TYPE INCORRECT.

**ATTENTION**

La batterie peut alimenter des composants dangereux à l'intérieur de l'unité, même lorsque l'alimentation d'entrée CA est déconnectée.

**ATTENTION**

Ne doit pas être utilisé dans une salle d'ordinateurs, conformément à la norme ANSI/NFPA 75, Standard for the Protection of Electronic Computer/Data Processing Equipment, lorsque le boîtier de batterie installé est conforme à la HB classe de flamme.

**ATTENTION**

Ne vous débarrassez pas des piles dans un incendie. Les piles peuvent exploser.

**ATTENTION**

Ne pas ouvrir ou mutiler les piles. Les matières libérées sont nocives pour la peau et les yeux et peuvent être toxiques.

- Utilisez uniquement le cordon d'alimentation fourni avec l'appareil.
- Température de fonctionnement ambiante: 104 °F (40 °C) max.
- Il n'y a pas de pièces utilisables par l'utilisateur à l'intérieur de l'unité.
- Remplacer uniquement par le même nombre de batteries au plomb scellées qui correspondent à votre modèle d'onduleur particulier, comme indiqué dans le tableau suivant.

Modèles D'onduleurs	Modèle de Batterie de Remplacement	Tension Totale
UPS-SC600	UPS-SCRBP	12V

- Transporter l'unité uniquement dans l'emballage d'origine pour protéger contre les chocs.
- L'unité doit être stocké dans une pièce ventilée et sèche.
- Ne raccordez l'appareil qu'à une prise antichoc mise à la terre, qui doit être facilement accessible après l'installation et située à proximité du système.

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.



UPS Unit

A



Power Cord
(NEMA 5-15P)

B



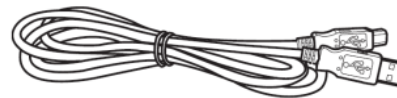
(6x)

M2 x 0.4

With 3mm shoulder diameter, 4mm shoulder length, and 4mm thread length

Mounting Screw

C



36" (914 mm) USB-B to USB-A Cable

D



User Manual



NOTE

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

Required Tools

- #2 Phillips Screwdriver
- Electric Drill and #2 Phillips Bit (if Preferred)



WARNING

Use tools with caution and follow all safety protocols.

AVERTISSEMENT

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

Introduction

This User Manual provides information about the installation, setup, and configuration of your Legrand Compact UPS-SC600 product. An optional UPS-SC600 Network Interface Card (Model Number: UPS-CIPCARD also referred to as CIPCARD, sold separately), Replacement 12V Battery (Model Number: UPS-SCRBP), and Replacement Hardware Kit (Model Number: KIT-SC600-1) are also available for purchase.

The UPS-SC600 (A) uses threaded inserts and mounting screws to secure your product into some standard structured wiring enclosure brand manufacturers. Use the following topics to prepare your installation and understand UPS-SC600 operations first before mounting you UPS inside of an enclosure or using it outside of an enclosure.

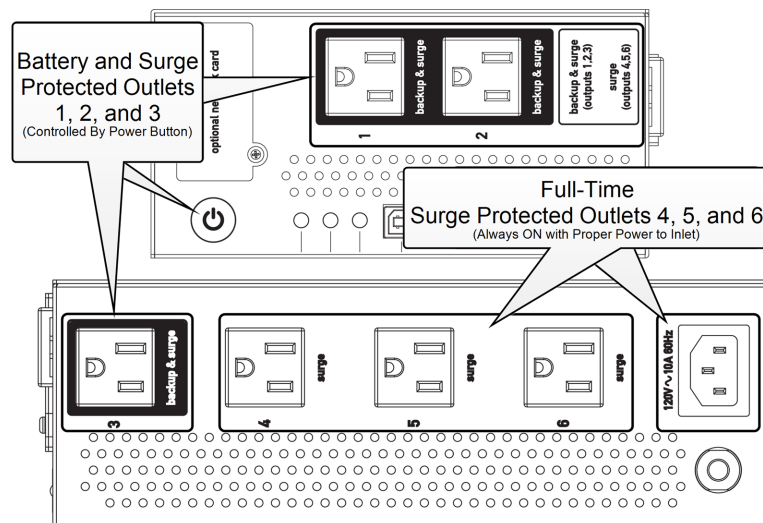
Use the UPS-CIPCARD Network Card option to remotely monitor and control your UPS over your network.

If a network connection is not available at your location or you have not yet purchased a CIPCARD, you can use the Power Master+ software to monitor and control your UPS using a direct USB connection from one of your own computers.

For more information about the UPS-CIPCARD Network Card option and the Power Master+ software, refer to the or the , respectively,

Understanding the UPS Power Button and Outlet Operation

The outlets on your UPS-SC600 (A) operate in the following manner:



Battery and Surge Protected Outlets

Outlets 1, 2, and 3 are controlled by the power button with battery power and surge suppression. These outlets ensure temporary uninterrupted operation of your equipment during a power failure.

Full-Time Surge Protected Outlets

With the IEC power cable (B) connected to the AC Input on your UPS and an appropriately rated receptacle, the Full-Time Surge Protected Outlets (Outlets 4, 5, and 6) are always ON with surge suppression to provide surge and line noise protection.



NOTE

The power button controls the Battery and Surge Protected Outlets (Outlets 1, 2, and 3) and does not control the Full-Time Surge Protected Outlets (Outlets 4, 5, and 6).

For more information, see [Feature Set and Operation](#), on page 20.

Charging Your UPS the First Time

You must first charge your UPS (A) for at least 8 hours before it can provide direct backup power to connected devices.

The auto charge feature automatically charges the pre-installed battery whenever the UPS is plugged into AC power (using the supplied power cable) directly into an appropriately rated receptacle – whether the UPS is turned on or off.



NOTE

First, use the supplied power cable and directly plug your UPS into AC power and allow it to charge for 8 hours before providing direct backup power to connected devices.

Determining Your Equipment Power Requirements

Ensure that the total equipment you plug into the unit does not exceed the rated capacity of 600VA/360W for your UPS-SC600 (A). If the rated capacity of the unit is exceeded, an overload condition may occur and cause your UPS to shut down or trip its circuit breaker.



NOTE

Many factors affect electronic equipment power requirements when connected to your UPS. For optimal system performance always keep the overall load of the unit below 80% of the rated capacity.

Understanding UPS Installation Requirements



NOTE

Before installing your UPS, carefully review the following considerations to select a proper location.

1. The UPS ([A](#)) should be placed on a flat, clean surface. Place it in an area away from vibration, dust, humidity, high temperature, flammable liquids, gases, corrosive, and conductive contaminants. Install the UPS indoors in a clean environment, where it is away from windows and doors. Maintain a minimum clearance of 3.94" (100mm) on the bottom of the UPS to avoid dust and high temperatures.
2. Maintain an ambient temperature range of 32°F (0°C) to 104°F (40°C) for optimal UPS operation.
3. It is required to maintain a maximum altitude of 1093.61yd. (1000m) to keep the UPS within normal operation at full load. If used in high altitudes, please reduce the connected load.

Altitude derating power with connected loads for UPS normal operation is listed as follows:

Altitude (Feet and Meters)		Derating Factor
3280.84	1000	1.0
4921.26	1500	0.95
6561.68	2000	0.91
8202.1	2500	0.86
9842.52	3000	0.82



NOTE

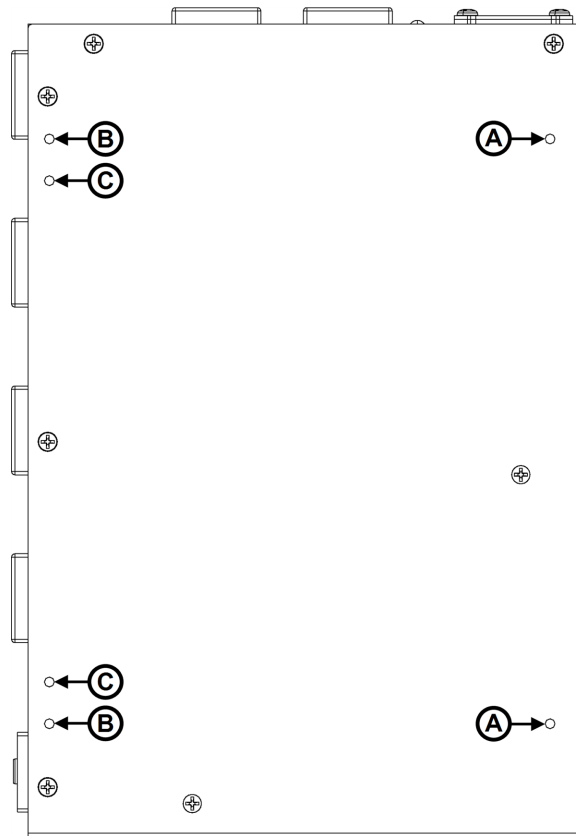
Derating factor values are Based on density of dry air = 1.225 kg/m³ at sea level, + 59°F (15°C).

Mounting Your UPS Inside Compatible Structured Wiring Enclosures

1. Use a #2 Phillips screwdriver and mounting screws (C) to attach one into each of the threaded inserts on your UPS (A) as shown.

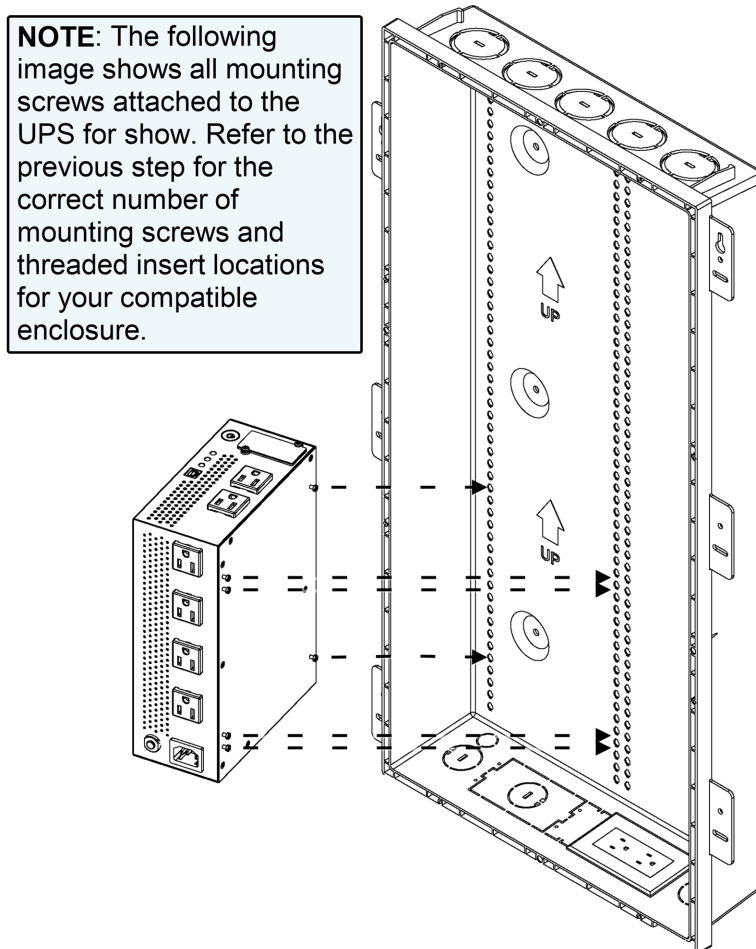
**NOTE**

The threaded inserts are labeled on the following image and specific ones are used for compatible structured wiring enclosure brands listed below.



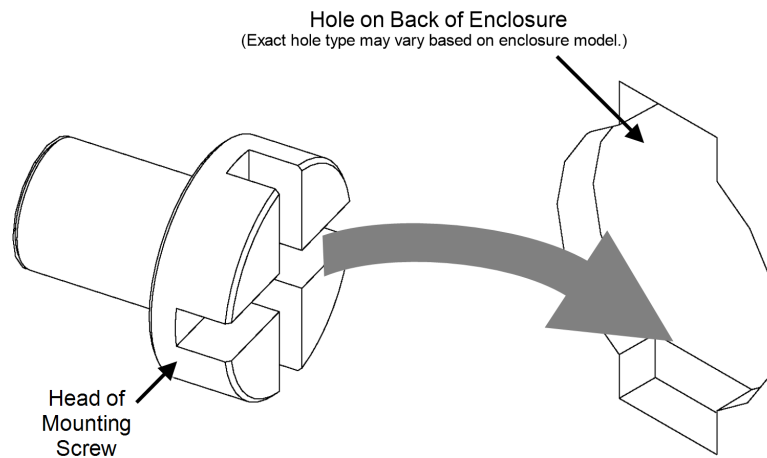
- **Legrand AV Inc and On-Q Enclosures:** Only attach mounting screws (C) to all threaded inserts labeled A and C.
- **Leviton Enclosures:** Only attach mounting screws (C) to every threaded insert labeled A and B.
- **Snap AV Enclosures:** Only attach mounting screws (C) to every threaded insert labeled B.
- **Primex and Suttle Enclosures:** Only attach mounting screws (C) to every threaded insert labeled A and B.

- **Channel Vision Enclosures:** Only attach mounting screws (C) to every threaded insert labeled A and C.
2. With the mounting screws attached to your UPS in the correct pattern for your compatible enclosure, hook the mounting screws into the holes on the back of the enclosure at your desired height as shown.



**NOTE**

The head of the mounting screws hook into the holes on the back of your enclosure as shown.



3. With your UPS now secured inside of your enclosure, make your desired peripheral connections to your UPS.

CAUTION

The power demands of devices such as laser printers, paper shredders, copiers, space heaters, vacuum cleaners, sump pumps, or other large electrical equipment are typically too high for connecting to battery and surge-protected outlets. Doing so will overload and possibly damage your UPS.

**ATTENTION**

Les besoins en énergie d'appareils tels que les imprimantes laser, les déchiqueteuses à papier, les copieurs, les appareils de chauffage, les aspirateurs, les pompes de puisard ou d'autres gros équipements électriques sont généralement trop élevés pour se connecter à la batterie et aux prises protégées contre les surtensions. Cela surchargerait et éventuellement endommagerait votre UPS.

4. Use the IEC power cable ([B](#)) to connect your UPS from the AC input into an outlet on an appropriately rated receptacle.

**CAUTION**

Plug the UPS into a two-pole, three-wire, grounded receptacle only. Avoid using extension cords.

ATTENTION

Branchez l'onduleur dans une prise bipolaire, trois fils et mise à la terre uniquement. Évitez d'utiliser des rallonges.

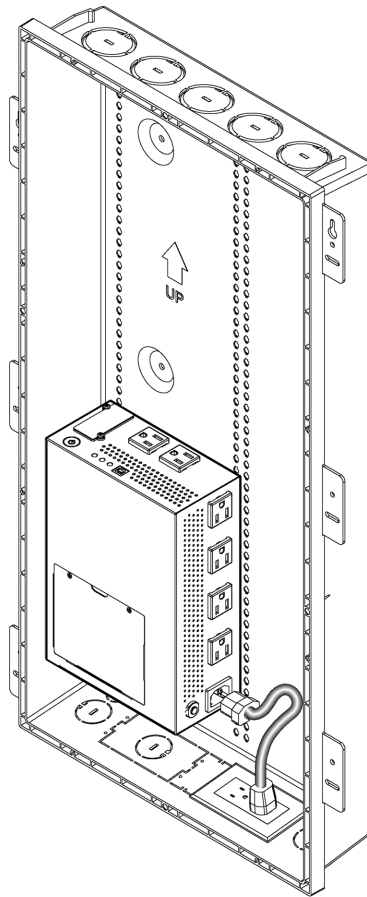
**CAUTION**

The wall receptacle should be protected by a fuse or circuit breaker. The circuit should not be servicing other equipment with large electrical demands.

ATTENTION

La prise murale doit être protégée par un fusible ou un disjoncteur. Le circuit ne doit pas servir à l'entretien d'autres équipements ayant de grandes exigences électriques.

Your configuration should look like the following image.



Understanding Compatible Enclosure Models

The following table lists some common brands and corresponding models of structured wiring enclosures compatible with your UPS-SC600 (A).

Brand	Compatible Models			
On-Q	• ENP3060-NA • ENP3080-NA • ENP4250-NA	• ENP4260-NA • ENP4280-NA • EN2800	• EN2850 • EN2080 • EN4200	• EN4250 • EN4280
Leviton	• 49605-28E • 49605-30E		• 47605-M28 • 41605-M42	
Snap AV	• P-SW-PL-ENCL-30-1PK • WP-SW-PL-ENCL-42-1PK • WP-ONE-ENCL-28		• WP-ONE-ENCL-40 • WP-SW-ENCL-28 • WP-SW-ENCL-40	
Primex and Suttle	• 125-0571 • 125-1212	• 125-1744 • 125-1375	• 135-0162 • 135-0169	• SAE-28DNY • SAE-42NY
Channel Vision	• C-0128E • C-0138E • C-0150E			

Using Your UPS Outside of an Enclosure

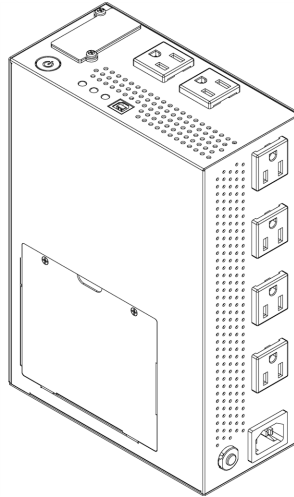
You may wish to use your UPS-SC600 (A) outside of a structured wiring enclosure. The unit may be placed on a desk or shelf; however, it must only be positioned upright as shown and not placed on its back or any other side.

WARNING

Outside of a structured wiring enclosure, your UPS-SC600 must only be oriented upright and not placed on its back or any other side.

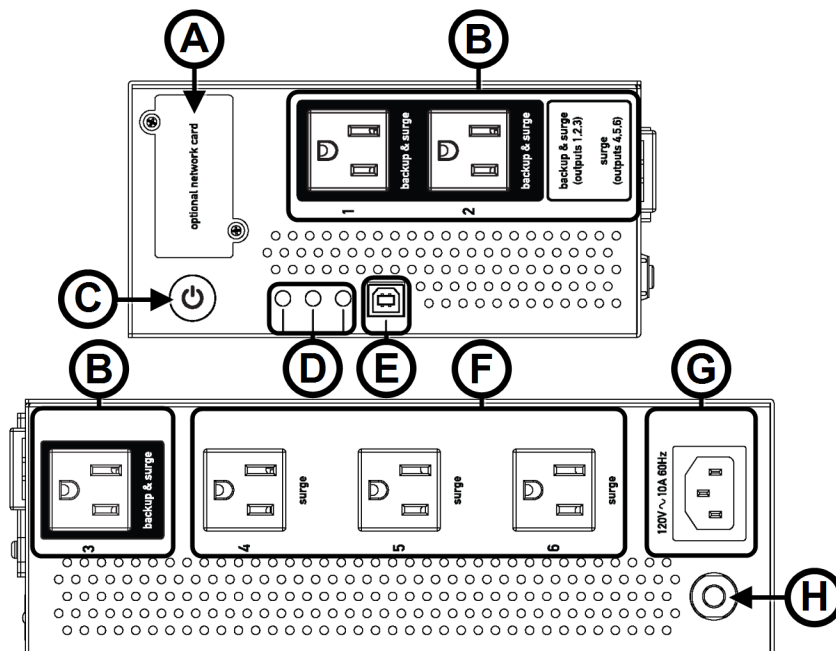
**AVERTISSEMENT**

En dehors d'un boîtier de câblage structuré, votre UPS-SC600 doit uniquement être orienté verticalement et ne doit pas être placé sur le dos ou sur un autre côté.



A longer length power cable may be required when using your UPS-SC600 outside of a structured wiring enclosure. For more information, see [Replacing the Power Cord \(if Necessary\)](#), on page 27.

Feature Set and Operation



A. Network Card Slot

Use a #2 Phillips screwdriver and remove the (2x) screws and cover to install the UPS-SC600 Network Card option (Model Number: UPS-CIPCARD) and provide remote monitoring and management of the UPS over your network.

For more information, refer to the

B. Battery and Surge Protected Outlets

Outlets 1, 2, and 3 are controlled by the power button with battery power and surge suppression. These outlets ensure temporary uninterrupted operation of your equipment during a power failure.

For more information, see [Understanding the UPS Power Button and Outlet Operation](#), on page 12.

C. Power Button



NOTE

The power button controls the Battery and Surge Protected Outlets (Outlets 1, 2, and 3) and does not control the Full-Time Surge Protected Outlets (Outlets 4, 5, and 6).

- To turn the UPS ON, press and hold the power button for approximately 2 seconds. A steady tone and then a short beep will sound. Release the power button after the short beep.
- To turn the UPS OFF, press and hold the power button for approximately 2 seconds. A steady tone and then two short beeps will sound. Release the power button after the second short beep.
- Mute Mode may be used to silence any audible alarms by quickly pressing the Power Button two times in a row. Two short beeps will sound to confirm that the UPS is in Mute Mode.



NOTE

1. When your UPS is in Mute Mode, no alarms will sound when the unit goes into Battery Mode or reaches a lower battery state.
2. Your UPS comes from the factory with Mute Mode disabled so all audible alarms will sound.
3. Turn off Mute Mode by quickly pressing the Power Button two times in a row. One short beep will sound to confirm that Mute Mode is disabled.

D. LED Indicators

The LED indicators illuminate to show the status of power to your UPS as being On Line, On Battery, Overload, or Replace Battery.

E. **USB Port to PC**

The USB port allows connection and communication between the USB port to a connected computer. The UPS communicates its status to the UPS-SC600 Power Manager+ software.

For more information, refer to the

F. **Full-Time Surge Protected Outlets**

With the IEC power cable ([B](#)) connected to the AC Input on your UPS and an appropriately rated receptacle, the Full-Time Surge Protected Outlets (Outlets 4, 5, and 6) are always ON with surge suppression to provide surge and line noise protection. The power button controls the Battery and Surge Protected Outlets (Outlets 1, 2, and 3) only.

For more information, see [Understanding the UPS Power Button and Outlet Operation](#), on page [12](#).

G. **AC Input**

Use the IEC power cable ([B](#)) to connect your UPS from the AC Input into an outlet on an appropriately rated receptacle.



NOTE

- With the IEC power cable ([B](#)) connected to the AC Input on your UPS and an appropriately rated receptacle, the Full-Time Surge Protected Outlets (Outlets 4, 5, and 6) are always ON with surge suppression to provide surge and line noise protection.
- The power button controls the Battery and Surge Protected Outlets (Outlets 1, 2, and 3) and does not control the Full-Time Surge Protected Outlets (Outlets 4, 5, and 6).

For more information, see [Use the IEC power cable \(B\) to connect your UPS from the AC input into an outlet on an appropriately rated receptacle.](#), on page [17](#).

H. **Circuit Breaker**

Located on the side of your UPS ([A](#)), the circuit breaker provides overload and fault protection.

LED Protection Indicators

The following table explains the various states of LED indicators shown on your UPS-SC600 ([A](#)) along with any sounding alarms. The corresponding condition column further explains the various UPS states.

 Power Button	 Battery Power	 Overload	 Missing Battery	Alarm	Condition
ON	OFF	OFF	OFF	Silent	Normal
ON	ON	OFF	OFF	Beeps twice every 30 seconds.	Indicates a utility failure where your UPS is now providing power from its own battery to the battery protected outlets.
ON	Flashing	OFF	OFF	Beeping every 1/2 second.	Indicates a utility failure where your UPS is now providing power from its own battery and the rapid beeping means it will run out of power shortly.
OFF	OFF	Two flashes every 5 seconds.	OFF	Emitting a constant tone.	Indicates an overload fault where the equipment connected to your UPS has exceeded the listed capacity. Immediately press and hold the power button to turn off your UPS and unplug at least one piece of connected equipment, reset the circuit breaker, and then turn the unit back on.

 Power Button	 Battery Power	 Overload	 Missing Battery	Alarm	Condition
OFF	OFF	Two flashes every 5 seconds.	OFF	Emitting a constant tone.	Indicates a short fault. Immediately turn off your UPS by pressing and holding the power button, and then unplugging all connected equipment. Identify which device has the fault by turning your UPS on (pressing the power button again). Now, reconnect your equipment one at a time until a connected device causes your UPS to shut down and sound the alarm. For more information, contact support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901.
ON	OFF	Three flashes every 5 seconds.	OFF	Steady beeping for 30 seconds.	Indicates a charger fault. For more information, contact support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901.
ON	OFF	OFF	Flashing	Beeping every second for a 30 second period.	Indicates a fully disconnected or discharged battery. Reconnect or replace the battery as necessary.

Replacing the Battery

CAUTION

Make sure the unit is turned off and completely disconnected from AC power before conducting any maintenance, battery replacement, repairs, or shipment.



ATTENTION

Assurez-vous que l'appareil est éteint et complètement déconnecté de l'alimentation secteur avant d'effectuer toute opération de maintenance, de remplacement de batterie, de réparation ou d'expédition.

1. Turn the UPS ([A](#)) off and completely disconnect it from AC power.

**CAUTION**

Carefully hold onto your UPS when removing the IEC power cable from the unit or the receptacle.

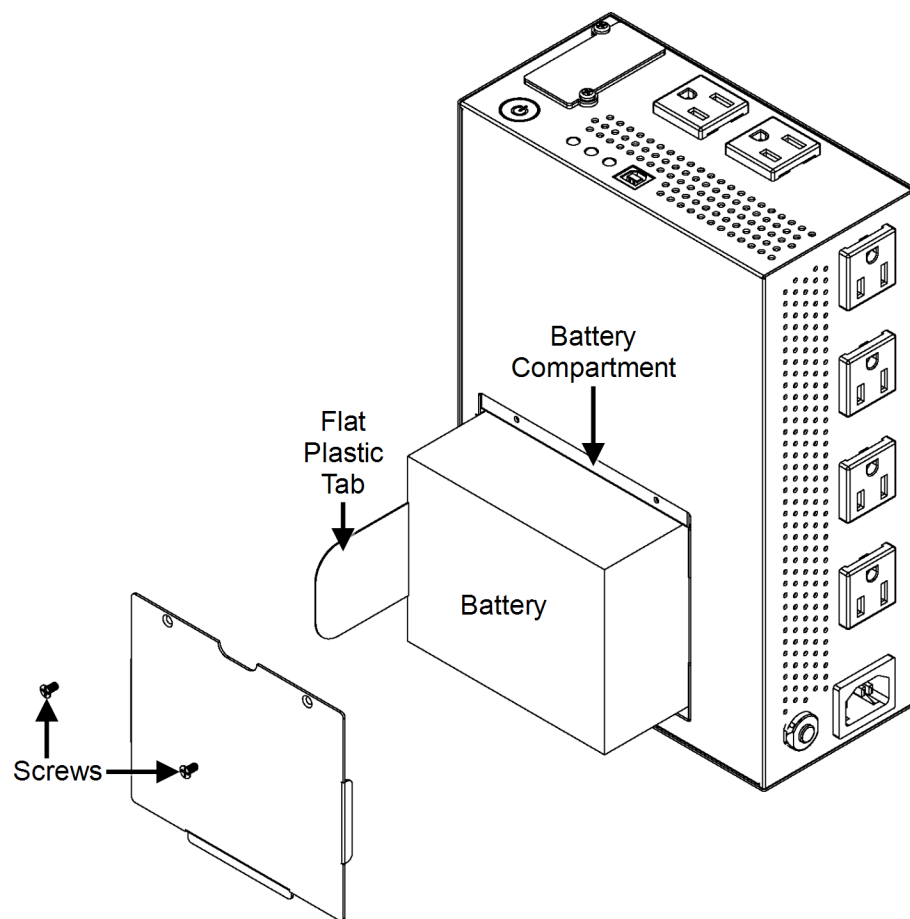
ATTENTION

Tenez soigneusement votre onduleur lorsque vous retirez le câble d'alimentation CEI de l'unité ou de la prise.

**NOTE**

Your connected equipment is not protected from power outages when the battery is disconnected.

2. Use a #2 Phillips screwdriver and remove the (2x) screws from the battery access panel as shown.



3. Remove the panel from the UPS and set it aside along with the screws for reattachment.
4. Gently pull the flat plastic tab folded over the front of the battery to carefully lift it out of its compartment.

5. Disconnect the black and red wires from the negative (-) and positive (+) terminals, respectively, on your battery.
6. If your replacement battery came with a return box as part of a replacement program, carefully pack and send the discharged battery as instructed by the materials with the box. Otherwise, carefully dispose of your used battery in accordance with local recycling laws and regulations.

CAUTION**ATTENTION**

If your replacement battery came with a return box as part of a replacement program, carefully pack and send the discharged battery as instructed by the materials with the box. Otherwise, carefully dispose of your used battery in accordance with local recycling laws and regulations.

Recycler ou éliminer les batteries déchargées conformément à toutes les lois locales et/ou expédier à votre revendeur en utilisant un emballage de batterie de remplacement, le cas échéant. Les piles usagées sont considérées comme des déchets dangereux et doivent être éliminées conformément aux lois et réglementations locales en matière de recyclage.

7. Connect the red wire and black wires to the positive (+) and negative (-) terminals, respectively, on your replacement battery.
8. While holding the flat plastic tab behind the battery and out the left side of the compartment (facing), carefully push the battery into its compartment.
9. Use (2x) screws to reattach the battery access panel over the compartment.
10. Reconnect the IEC power cable ([B](#)) from an appropriately rated receptacle to your UPS.

For more information, see [Use the IEC power cable \(B\) to connect your UPS from the AC input into an outlet on an appropriately rated receptacle.](#), on page [17](#).

**NOTE**

After replacing the battery, you must use the power cable (E), plug your UPS into AC power and allow it to charge for eight hours before providing direct backup power to connected devices. For more information, see [Charging Your UPS the First Time](#), on page [13](#).

CAUTION

Used batteries are considered hazardous waste and must be disposed of in accordance with local recycling laws and regulations.

**ATTENTION**

Les piles usagées sont considérées comme des déchets dangereux et doivent être éliminées conformément aux lois et réglementations locales en matière de recyclage.

Replacing the Power Cord (if Necessary)

Using your UPS-SC600 ([A](#)) outside of a structured wiring enclosure may require a longer length power cord. For more information, see [Using Your UPS Outside of an Enclosure](#), on page 19.

WARNING

Any power cord used with this device must meet the specifications listed in this topic.

**AVERTISSEMENT**

Tout câble d'alimentation utilisé avec cet appareil doit répondre aux spécifications répertoriées dans cette rubrique.

Only operate your UPS using a power supply cord meeting the following compliance standards and specifications.

- UL Listed detachable power supply cord – Minimum No. 18 AWG, 3 conductors, flexible cord, rated VW-1, min. 105°C, min. 1.5 m, and maximum 4.5 m long. Provided with a molded-on, polarized attachment plug with a 15 A, 125 V (NEMA 5-15P) configuration and a molded-on connector which mates with the Power Inlet. The following cord type may be used.
- Flexible cord type SP-2, SPE-2, SPT-2, NISP-2, NISPE-2, NISPT-2, SP-3, SPE-3, SPT-3, SJ, SJE, SJO, SJOO, SJT, SJTO, SJTOO, S, SE, SO, SOO, ST, STO, STOO.

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

Troubleshooting

Problem	Possible Cause	Solution
The circuit breaker button is engaged and projecting from the side of the unit.	The circuit breaker tripped from an overload.	Press and hold the power button to turn off the UPS (A) and unplug at least one piece of connected equipment before turning the unit back on. For more information, contact support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901.
The UPS does not perform expected runtime.	The battery is not fully charged.	First, use the power cable (B) and plug your UPS into AC power and allow it to charge for eight hours before providing direct backup power to connected devices. For more information, see Charging Your UPS the First Time, on page 13 .
	The battery needs to be replaced.	If you are still experiencing problems after your UPS has been charged for a full eight hours, you are probably in need of a UPS Replacement Battery (Model Number: UPS-SCRBP). For information about replacement batteries, contact support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901.

Problem	Possible Cause	Solution
The UPS does not turn on.	The Power button is designed to prevent damage from rapidly turning the unit on and off.	Press and hold the power button to turn off the UPS, wait 10 seconds, and then turn the unit back on.
	The power cable is not connected to an appropriately rated branch circuit.	The UPS must be connected to a 110/120V, 50/60Hz outlet.
	The battery needs to be replaced. Your UPS has a mechanical problem.	For information about replacement batteries and/or mechanical issues, contact support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901.
	The frequency is outside of the operating range of 50/60±3Hz.	Press and hold the power button to turn off the UPS and verify the frequency range is within 50/60±3Hz. Alternatively, you can turn the UPS on in battery mode.

Problem	Possible Cause	Solution
Legrand Power Master+ is inactive (all icons are gray).	The USB cable is disconnected from unit or computer.	Connect the USB cable (D) to the UPS and into an open USB port on your computer.  NOTE - Only use the USB cable that came with your UPS. - Only one port (Network or USB) can be used to communicate and control the UPS at one time.
	The USB cable is connected to a bad USB port on your computer.	Try plugging the cable into a different USB port on your computer, if possible.
	The UPS is not providing battery power.	Shutdown your computer. Reset your UPS by pressing and holding the power button to turn it off, waiting 10 seconds, and then pressing the power button to turn it back on. Now, turn on your computer.

Specifications

General	
UPS Topology	Standby
Energy Saving	GreenPower UPS High Efficiency

Input	
Voltage	120VAC
Voltage Range	96VAC - 140VAC
Frequency	50Hz/60Hz $\pm$ 3 Hz
Plug Type	C14 inlet to NEMA 5-15P
Plug Style	Straight
Cord Length	1' (30.48 cm)

Output	
Voltage	120VAC
VA	600VA
Watts	360W
Transfer Point to Battery (Default)	96VAC ($\pm$ 3 VAC); 140VAC ($\pm$ 3 VAC)
Plug Style	Straight
Transfer Point to Line (Default)	100VAC ($\pm$ 3 VAC); 136VAC ($\pm$ 3 VAC)
On Battery Voltage	120VAC ($\pm$ 5%)
On Battery Frequency	50Hz/60Hz $\pm$ 1% (Auto-Sensing)
On Battery Waveform	PWM Sine Wave
Outlet Type	NEMA 5-15R
Total Number of Outlets	6
Outlets on Battery Backup	3
Transfer Time	4 ms Typical; 10 ms Max.

Battery	
Runtime at 300W	12.5 Min.
Runtime at 150W	3.5 Min.
Battery Voltage	12V
Transfer Point to Battery (Default)	6AH
User Replaceable Battery	Front Accessible
Recharge Time	9 Hours
Battery Type	Sealed Lead Acid
Replacement Battery	Model No. UPS-SCRBP (Qty.1)

Protections	
Surge Suppression	1030 Joules
EMI/RFI Filtering	Yes
Overload Protection	Circuit Breaker

Device Management	
LED Indicators	Power, On Battery, Overload, Replace Battery, Alert, Fault
USB Port	1 x HID Compliant
Physical Buttons	Power On, Off, and Mute Alarms
USB Power Management Cable	48" (1.22M) USB-B to USB-A Cable
Audible Alarms	On Battery, Low Battery, Overload, Fault, and Replace Battery

Remote Monitoring via Network Card Option	
Legrand AV IncUPS-SC600 Network Card Option	Model No. UPS-CIPCARD
Battery Level	Yes
Load Level	Yes
Runtime	Yes

Remote Monitoring via Network Card Option	
Input Voltage	Yes
Output Voltage	Yes
Event Log	Yes
Reboot Power	Yes
On Off Cycle Control: Outlets 1&2 (As Bank) & Outlet 3 (Alone)	Yes
Scheduling: Outlets 1&2 (As Bank) & Outlet 3 (Alone)	Yes
Set Load Shedding	Yes
Diagnostic (Performing Battery Test)	Yes
Battery Change Reminder	Yes
Turn Audible Alarm ON/OFF	Yes

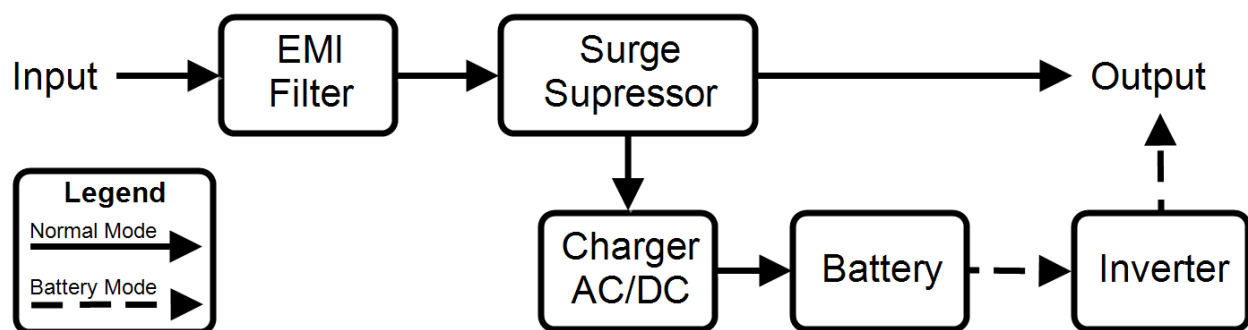
Physical	
Color	White
Dimensions Width x Height x Depth	6.69" (170 mm) x 9.72" (247 mm) x 3.34" (85 mm)
Weight	9.18 lbs. (4.17 kg)
Venting	Yes
Packaging Dimensions Width x Height x Depth	8.88" (226 mm) x 11.85" (301 mm) x 5.6" (142 mm)
Packaging Weight	9.79 lbs. (4.44 kg)
Mounting Hardware (For Structured Wiring Enclosures)	Provided Additional UPS Mounting Screw Kit hardware (Model Number: KIT-SC600-1) may be purchased, if necessary. For more information, contact support at av.middleatlantic.techsupport@legrand.com or (866) 977-3901.

Environmental	
Operating Temperature	32 °F (0 °C) to 104 °F (40 °C)
Operating Relative Humidity	0% - 90% (Non-Condensing)
Operating Elevation	10,000' (3,000 m) max
Storage Temperature	5 °F (-15 °C) to 113 °F (45 °C)
Storage Relative Humidity	0% - 95% (Non-Condensing)
Storage Elevation	50,000' (15,000 m)
Thermal Dissipation	365.9 BTU

Certifications	
Standards	UL1778 CSA C22.2 No. 107.3 and FCC DOC Class B
RoHS	Compliant

Warranty	
UPS-SC600	Two Years Limited (2 Years Battery)

System Function Block Diagram



Warranty

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

Contacting Corporate Headquarters

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At Legrand AV Inc we are always listening. Your comments are welcome.

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