

PS 1205 C External Power Supply • Installation Guide

For power supplies with Extron part number 28-331-xxLF where xx is 0 - 9

Important Safety Instructions

! This symbol is intended to alert the user of important operating and maintenance (servicing) instructions in the literature provided with the equipment.

⚡ This symbol is intended to alert the user of the presence of uninsulated dangerous voltage within the product enclosure that may present a risk of electric shock. On the product, risk of shock may be indicated by this symbol.

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not use this apparatus near water.

Clean only with dry cloth.

Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

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 are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Only use attachments/accessories specified by the manufacturer.

Unplug this device apparatus during lightning storms or when unused for long periods of time.

CAUTION: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. This apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.

ATTENTION : Afin de réduire les risques d'incendie ou de choc électrique, protégez cet appareil de la pluie ou de l'humidité. Cet appareil doit être conservé à l'abri des éclaboussures et des projections, et aucun objet contenant un liquide, tel qu'un vase, ne doit être posé sur l'appareil.

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

CAUTION: This apparatus is a Class I product. This product must be connected to a mains socket outlet with a protective earthing connection.

ATTENTION : Cet appareil est un produit de Classe 1. Ce produit doit être connecté à une prise femelle secteur équipée d'une connexion de mise à la terre.

The mains plug is used as the disconnect device and shall remain readily operable.

To prevent the risk of shock, do not attempt to service this equipment yourself because opening or removing covers may expose you to dangerous voltage or other hazards.

CAUTION:

Power sources — This equipment should be operated only from the power source indicated on the product. This equipment is intended to be used with a main power system with a grounded (neutral) conductor. The third (grounding) pin is a safety feature, do not attempt to bypass or disable it.

Power disconnection — To remove power from the equipment safely, remove all power cords from the rear of the equipment, or the desktop power module (if detachable), or from the power source receptacle (wall plug).

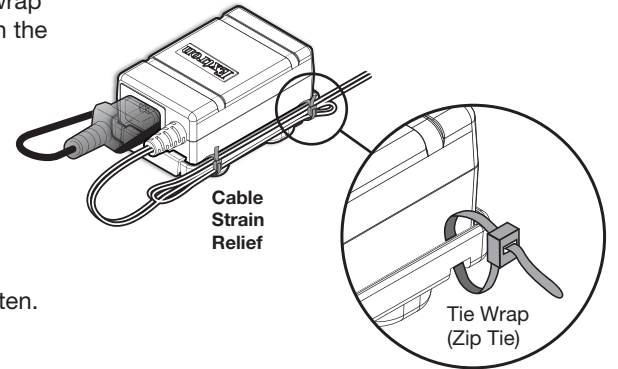
ATTENTION :

Les sources d'alimentation — Ce matériel ne devrait être alimenté qu'à partir de la source d'alimentation stipulée sur le produit. Ce matériel est prévu pour être relié à un circuit d'alimentation général doté d'un conducteur (neutre) mis à la terre. La troisième broche (de terre) est un composant de sécurité. N'essayez pas de l'éviter ou de la désactiver.

Déconnexion de l'alimentation — Pour déconnecter le matériel de sa source d'alimentation en toute sécurité, débranchez tous les cordons d'alimentation de l'arrière du matériel ou débranchez l'adaptateur secteur (si débranchable) ou de la prise secteur (prise murale).

2. Fasten the power output cord to the ZipClip base.

- Insert tie wraps ("zip ties") along the side of the power supply and through the tie wrap anchor points on the ZipClip, then around the cord.



- Connect and pull the tie wraps until they are secure. Do not over tighten.

Mounting

CAUTION: These power supplies are not suitable for use in air handling spaces or in wall cavities. The power supply is to be located within the vicinity of the Extron AV equipment in an ordinary location with IEC 1010 pollution degree 2, and secured to an equipment rack within a dedicated closet, podium, or desk.

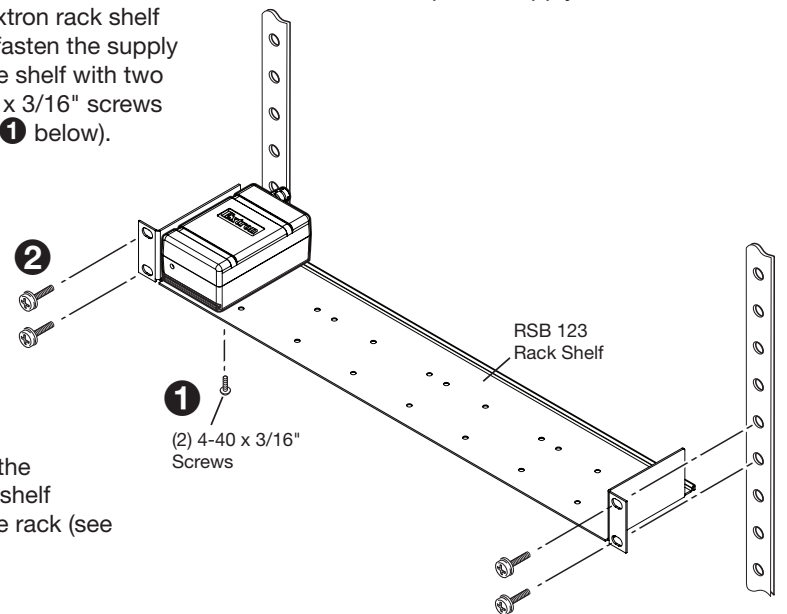
The installation must be in accordance with the applicable provisions of National Electrical Code ANSI/NFPA 70, article 725 and Canadian Electrical Code part 1, section 16. The power supply shall not be permanently fixed to building or similar structure.

Rack Mounting

Mounting to a Rack Shelf

These power supplies are one eighth rack wide. Up to eight power supplies can be mounted side by side directly onto a rack shelf.

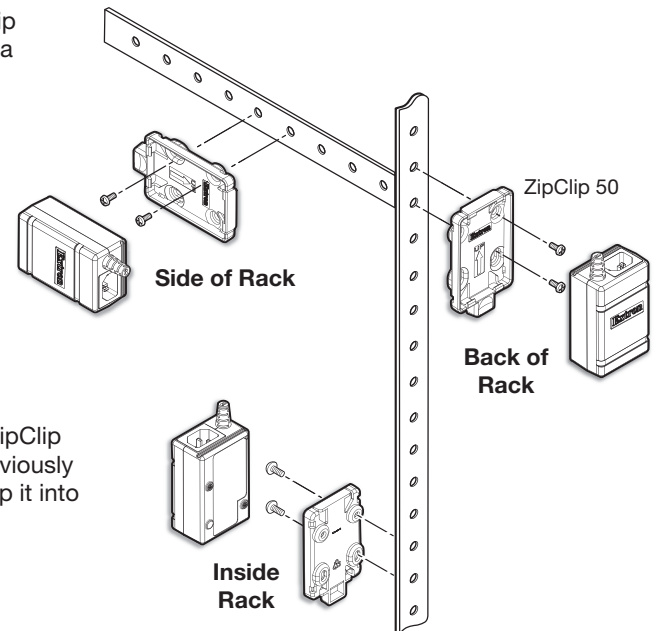
- Align the threaded holes in the bottom of the power supply with the holes in an Extron rack shelf and fasten the supply to the shelf with two 4-40 x 3/16" screws (see 1 below).



- Bolt the rack shelf to the rack (see 2).

Mounting to Rack Rails Using a ZipClip

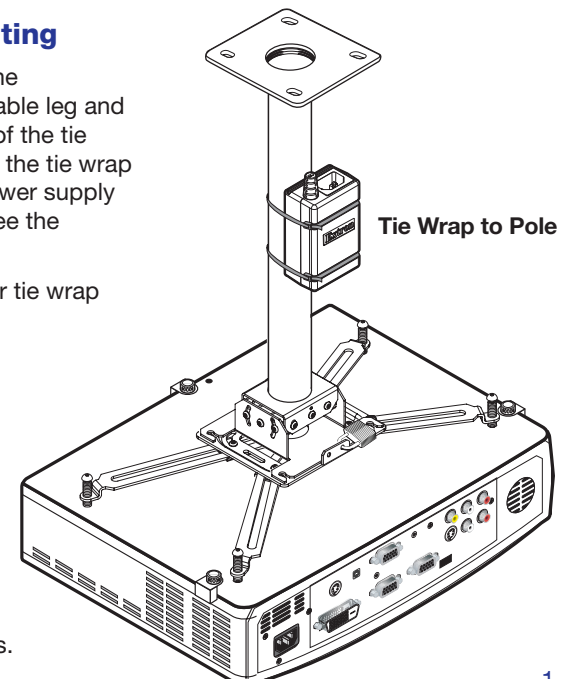
- Fasten the ZipClip mounting clip to a rack rail using two rack screws as shown in the diagram at right.



- Insert the power supply into the ZipClip as described previously and press to snap it into place.

Pole or Table Leg Mounting

- Wrap a tie wrap around the projector mount pole or table leg and the power supply at one of the tie wrap notches, and fasten the tie wrap together to secure the power supply to the pole or table leg (see the diagram at right).
- Repeat step 1 at the other tie wrap notch.



See the next page for furniture mounting instructions.

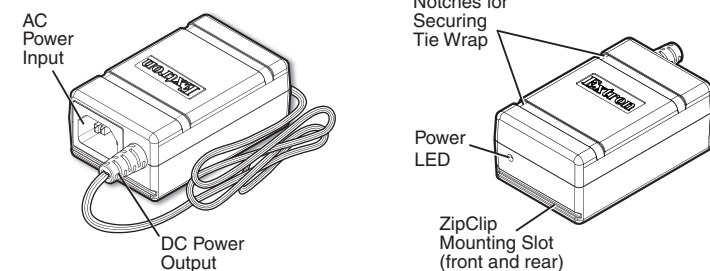
About the Extron PS 1205 C Power Supply

Model Overview

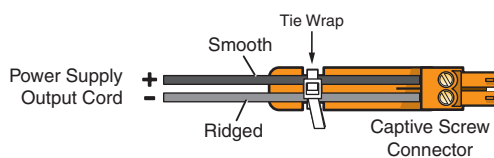
Model	Power Output	Termination
PS 1205C	6 watts, 12 VDC, 0.5 A	Captive screw
ZipClip™ 50 (101-027-01)	—	—

Cabling and Features

Features



Connector Pin Assignments

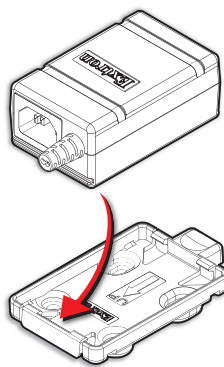


Using the ZipClip 50

Attaching and Removing the Clip and Power Supply

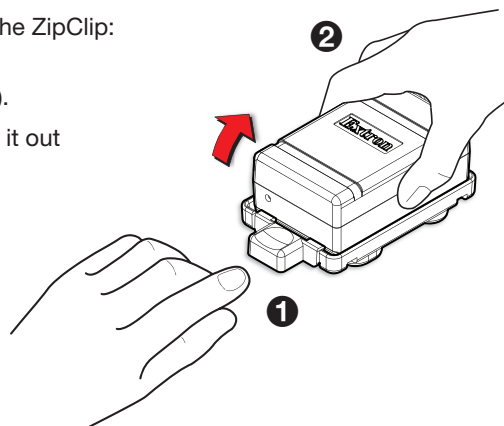
To attach the power supply to the ZipClip 50 mounting clip:

- Insert the bottom of the power supply down into the clip, starting with one end (see diagram at right).
- Pivot the other end down and press until the clip snaps into place.



To remove the power supply from the ZipClip:

- Press the tab on the ZipClip (see 1 in the diagram at right).
- Pivot the power supply and lift it out of the ZipClip (see 2 at right).



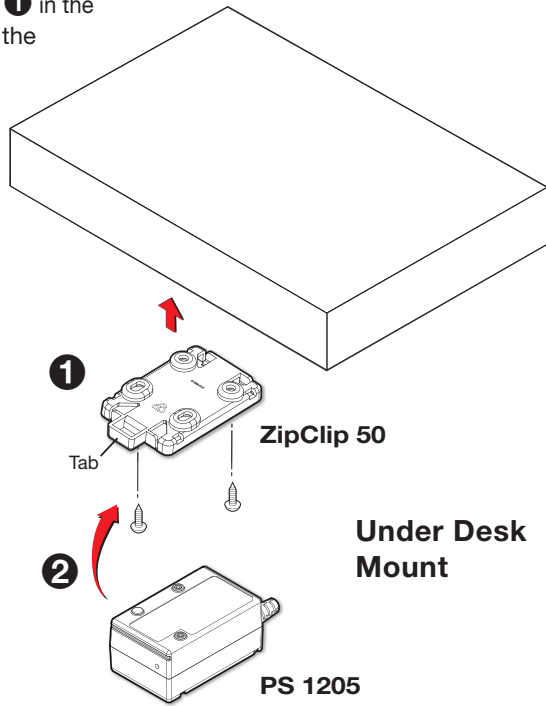
Using Tie Wraps for Cable Strain Relief

- Attach the power supply to the ZipClip mounting clip as described previously.

Furniture Mounting

NOTE: The ZipClip is shipped with a set of four wood screws.

1. Attach the ZipClip to the furniture using two or more wood screws as shown in ① in the diagram below. Make sure the clip is oriented with the appropriate side facing the mounting surface and with the tab accessible from the front of the furniture.
2. Insert the power supply into the ZipClip as described previously (see ②) and press to snap it into place.



Taiwan Chemical Restricted Substances Notice

設備名稱: EXTERNAL POWER SUPPLY, 型號 (型式): 28-331-xxLF Equipment Name: Type Designation:						
單元 Unit	限用物質及其化學符號 Restricted substances and their chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁶⁺)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
1. 機構件 (CASE)	○	○	○	○	○	○
2. 印刷電路板 (PCBA)	—	○	○	○	○	○
3. 電容器 (CAPACITANCE)	○	○	○	○	○	○
4. 線材組 (CABLE)	○	○	○	○	○	○

備考1. “超出0.1 wt %”及“超出0.01 wt %”係指限用物質之百分比含量超出百分比含量基準值。
Note 1: “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.
 備考2. “○”係指該項限用物質之百分比含量未超出百分比含量基準值。
Note 2: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.
 備考3. “—”係指該項限用物質為排除項目。
Note 3: The “—” indicates that the restricted substance corresponds to the exemption.

Safety Instructions • English

- This symbol is intended to alert the user of important operating and maintenance (servicing) instructions in the literature provided with the equipment.
- This symbol is intended to alert the user of the presence of uninsulated dangerous voltage within the product enclosure that may present a risk of electric shock.

Cautions and General Guidelines

- Read instructions** — Read and understand all safety and operating instructions before using the equipment.
- Retain instructions** — The safety instructions should be kept for future reference.
- Follow warnings** — Follow all warnings and instructions marked on the equipment or in the user information.
- Avoid attachments** — Do not use tools or attachments that are not recommended by the equipment manufacturer because they may be hazardous.
- Avoid water** — Do not use this or other electrical equipment near water. Clean the device with a dry cloth only.

Warnings

Power and electrical safety

CAUTION:

- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. This apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.
- The PS 1205EB is a Class I product, which must be connected only to a mains socket outlet with a protective earthing (grounding) connection.

ATTENTION :

- Afin de réduire les risques d'incendie ou de choc électrique, protégez cet appareil de la pluie ou de l'humidité. Cet appareil doit être conservé à l'abri des éclaboussures et des projections, et aucun objet contenant un liquide, tel qu'un vase, ne doit être posé sur l'appareil.
- Cet appareil est un produit de Classe 1. Ce produit doit être connecté à une prise femelle secteur équipée d'une connexion de mise à la terre.

CAUTION:

- Power sources** — This equipment should be operated only from the power source indicated on the product. This equipment is intended to be used with a main power system with a grounded (neutral) conductor. The third (grounding) pin is a safety feature, do not attempt to bypass or disable it.
- Power disconnection** — To remove power from the equipment safely, remove all power cords from the rear of the equipment, or the desktop power module (if detachable), or from the power source receptacle (wall plug).

ATTENTION :

- Les sources d'alimentation** — Ce matériel ne devrait être alimenté qu'à partir de la source d'alimentation stipulée sur le produit. Ce matériel est prévu pour être relié à un circuit d'alimentation général doté d'un conducteur (neutre) mis à la terre. La troisième broche (de terre) est un composant de sécurité. N'essayez pas de l'éviter ou de la désactiver.
- Déconnexion de l'alimentation** — Pour déconnecter le matériel de sa source d'alimentation en toute sécurité, débranchez tous les cordons d'alimentation de l'arrière du matériel ou débranchez l'adaptateur secteur (si débranchable) ou de la prise secteur (prise murale).

- Power plug as a disconnection device** — The mains plug is used as the disconnect device and shall remain readily operable. In other words, the power plug must be accessible and easy to unplug from the power source.
- When to unplug the unit** — Unplug this device during lightning storms or when it will be unused for long periods. Unplug the device before servicing.
- Power cord protection** — Power cords should be routed so that they are not likely to be stepped on or pinched by items placed upon or against them. Protect the cord particularly at plugs, convenience receptacles, and the points where they exit the devices.
- Polarized and grounding plugs** — 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 are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician to replace the obsolete outlet with a safer one.
- Servicing** — Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled into or objects have fallen into the device, or when the device has been exposed to rain or moisture, does not operate normally, or has been dropped. To prevent the risk of shock, do not attempt to service this equipment yourself because opening or removing covers may expose you to dangerous voltage or other hazards.

Ventilation, mounting, and temperature

- Ventilation slots and openings** — If the equipment has slots or holes in the enclosure, these are provided to prevent overheating of sensitive components inside. Do not block any ventilation opening, as this may cause the product to malfunction. Install the device in accordance with the manufacturer's instructions.
- Temperature** — Do not install electronic devices near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Consignes de Sécurité • Français

- Ce symbole sert à avertir l'utilisateur que la documentation fournie avec le matériel contient des instructions importantes concernant l'exploitation et la maintenance (réparation).
- Ce symbole sert à avertir l'utilisateur de la présence dans le boîtier de l'appareil de tensions dangereuses non isolées posant des risques d'électrocution.

Attention

- Lire les instructions** — Prendre connaissance de toutes les consignes de sécurité et d'exploitation avant d'utiliser le matériel.
- Conservier les instructions** — Ranger les consignes de sécurité afin de pouvoir les consulter à l'avenir.
- Respecter les avertissements** — Observer tous les avertissements et consignes marqués sur le matériel ou présentés dans la documentation utilisatrice.
- Eviter les pièces de fixation** — Ne pas utiliser de pièces de fixation ni d'outils non recommandés par le fabricant du matériel car cela risquerait de poser certains dangers.

Avertissement

- Alimentations** — Ne faire fonctionner ce matériel qu'avec la source d'alimentation indiquée sur l'appareil. Ce matériel doit être utilisé avec une alimentation principale comportant un fil de terre (neutre). Le troisième contact (de mise à la terre) constitue un dispositif de sécurité : n'essayez pas de la contourner ni de la désactiver.
- Déconnexion de l'alimentation** — Pour mettre le matériel hors tension sans danger, déconnectez tous les cordons d'alimentation de l'arrière de l'appareil ou du module d'alimentation de bureau (s'il est amovible) ou encore de la prise secteur.
- Protection du cordon d'alimentation** — Acheminer les cordons d'alimentation de manière à ce que personne ne risque de marcher dessus et à ce qu'ils ne soient pas écrasés ou pincés par des objets.
- Réparation-maintenance** — Faire exécuter toutes les interventions de réparation-maintenance par un technicien qualifié. Aucun des éléments internes ne peut être réparé par l'utilisateur. Afin d'éviter tout danger d'électrocution, l'utilisateur ne doit pas essayer de procéder lui-même à ces opérations car l'ouverture ou le retrait des couvercles risquent de l'exposer à de hautes tensions et autres dangers.
- Fentes et orifices** — Si le boîtier de l'appareil comporte des fentes ou des orifices, ceux-ci servent à empêcher les composants internes sensibles de surchauffer. Ces ouvertures ne doivent jamais être bloquées par des objets.

安全须知 • 中文

- 这个符号提示用户该设备用户手册中有重要的操作和维护说明。
- 这个符号警告用户该设备机壳内有暴露的危险电压，有触电危险。
- 注意**
阅读说明书 — 用户使用该设备前必须阅读并理解所有安全和使用说明。
保存说明书 — 用户应保存安全说明书以备将来使用。
遵守警告 — 用户应遵守产品和用户指南上的所有安全和操作说明。
避免追加 — 不要使用该产品厂商没有推荐的工具或追加设备，以避免危险。

警告

- 电源** — 该设备只能使用产品上标明的电源。设备必须使用有地线的供电系统供电。第三条线(地线)是安全设施,不能不用或跳过。
- 拔掉电源** — 为安全地从设备拔掉电源,请拔掉所有设备后或桌面电源的电源线,或任何接到市电系统的电源线。
- 电源线保护** — 妥善布线,避免被踩踏,或重物挤压。
- 维护** — 所有维修必须由认证的维修人员进行。设备内部没有用户可以更换的零件。为避免出现触电危险不要自己试图打开设备盖子维修该设备。
- 通风孔** — 有些设备机壳上有通风槽或孔,它们是用来防止机壳内敏感元件过热。不要用任何东西挡住通风孔。

仅适用于海拔 2000 m 以下地区安全使用。
Use only at altitudes not more than 2000 m above sea level.



仅适用于非热带气候条件下地区安全使用。
Use only in non-tropical conditions.



Sicherheitsanleitungen • Deutsch

- Dieses Symbol soll dem Benutzer in der im Lieferumfang enthaltenen Dokumentation besonders wichtige Hinweise zur Bedienung und Wartung (Instandhaltung) geben.
- Dieses Symbol soll den Benutzer darauf aufmerksam machen, daß im Inneren des Gehäuses dieses Produktes gefährliche Spannungen, die nicht isoliert sind und die einen elektrischen Schock verursachen können, herrschen.

Achtung

- Lesen der Anleitungen** — Bevor Sie das Gerät zum ersten Mal verwenden, sollten Sie alle Sicherheits- und Bedienungsanleitungen genau durchlesen und verstehen.
- Aufbewahren der Anleitungen** — Die Hinweise zur elektrischen Sicherheit des Produktes sollten Sie aufbewahren, damit Sie im Bedarfsfall darauf zurückgreifen können.
- Befolgen der Warnhinweise** — Befolgen Sie alle Warnhinweise und Anleitungen auf dem Gerät oder in der Benutzerdokumentation.
- Keine Zusatzgeräte** — Verwenden Sie keine Werkzeuge oder Zusatzgeräte, die nicht ausdrücklich vom Hersteller empfohlen wurden, da diese eine Gefahrenquelle darstellen können.

Vorsicht

- Stromquellen** — Dieses Gerät sollte nur über die auf dem Produkt angegebene Stromquelle betrieben werden. Dieses Gerät wurde für eine Verwendung mit einer Hauptstromleitung mit einem geerdeten (neutralen) Leiter konzipiert. Der dritte Kontakt ist für einen Erdschluß, und stellt eine Sicherheitsfunktion dar. Diese sollte nicht umgangen oder außer Betrieb gesetzt werden.
- Stromunterbrechung** — Um das Gerät auf sichere Weise vom Netz zu trennen, sollten Sie alle Netzkabel aus der Rückseite des Gerätes, aus der externen Stromversorgung (falls dies möglich ist) oder aus der Wandsteckdose ziehen.
- Schutz des Netzkabels** — Netzkabel sollten stets so verlegt werden, daß sie nicht im Weg liegen und niemand darauf treten kann oder Objekte darauf- oder unmittelbar dagegen gestellt werden können.
- Wartung** — Alle Wartungsmaßnahmen sollten nur von qualifiziertem Servicepersonal durchgeführt werden. Die internen Komponenten des Gerätes sind wartungsfrei. Zur Vermeidung eines elektrischen Schocks versuchen Sie in keinem Fall, dieses Gerät selbst öffnen, da beim Entfernen der Abdeckungen die Gefahr eines elektrischen Schlags und/oder anderer Gefahren bestehen.
- Schlitze und Öffnungen** — Wenn das Gerät Schlitze oder Löcher im Gehäuse aufweist, dienen diese zur Vermeidung einer Überhitzung der empfindlichen Teile im Inneren. Diese Öffnungen dürfen niemals von anderen Objekten blockiert werden.

FCC Class B Notice

NOTE: This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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 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. There is no guarantee that interference will not occur. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, you are 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.
- In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of the manufacturer could void the user's authority to operate this equipment.

NOTE: For more information on safety guidelines, regulatory compliances, EMI/EMF compatibility, accessibility, and related topics see the "Extron Safety and Regulatory Compliance Guide" on the Extron website.

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Extron USA - East +1.919.850.1000 +1.919.850.1001 FAX	Extron Asia +65.6383.4400 +65.6383.4664 FAX	Extron China +86.21.3760.1568 +86.21.3760.1566 FAX	Extron Australia +61.8.8351.2188 +61.8.8351.2511 FAX	Extron Korea +82.2.3444.1571 +82.2.3444.1575 FAX