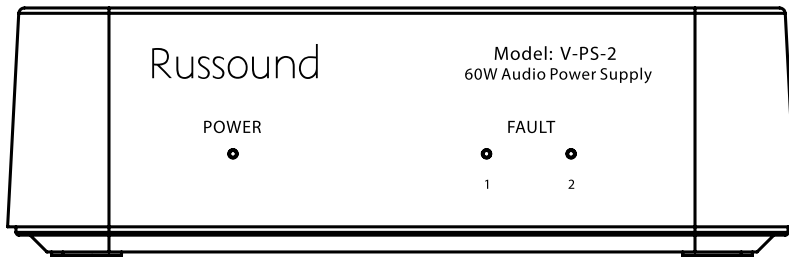


# V-PS-2

## 60W Power Supply



## INTRODUCTION

Thank you for purchasing the Russound V-PS-2 power supply. It's designed to provide crisp, audio-quality power for up to two Russound V-KP-1 amplified touchpads with Alexa Built-in™. Note: All wiring connections must be made with the system powered off and the V-PS-2 power cord disconnected from the electrical mains (unplugged from the wall outlet).

Installation of the power supply may be done locally in the same room as a V-KP-1 or may be run to a central wiring location using CL-2 rated cable from the room where the V-KP-1 is installed. The V-PS-2 can be put on a shelf and is also wall-mountable if desired.

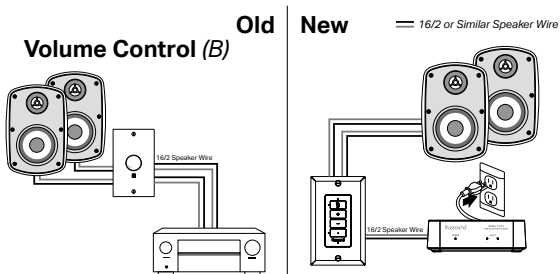
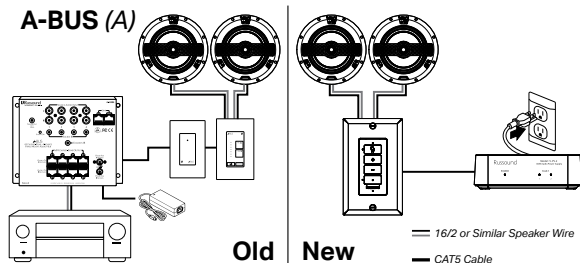
### Replacing An Existing Audio System

The majority of existing installed audio systems utilize a "home run" of speaker wires from some central location to a volume control or keypad in each of the rooms of the home. If your system uses this type of "home run" wiring, you can use the existing wiring to carry the power from the V-PS-2 Power Supply to the V-KP-1, making installation quick and easy.

The V-PS-2 includes important safety features such as over-current, over-temperature and short-circuit protection and can even indicate trouble in an existing wiring configuration which is especially critical when utilizing existing wiring in a home to ensure a proper electrical connection.

### Examples of common wiring configurations in existing installations.

The following diagrams show (A) a common wiring scheme for a keypad based audio system that uses Cat5 wiring from a central location to each room and then speaker wire from the keypad to the room's speakers and (B) a standard "homerun" wiring system that uses speaker wire from the central location to each room's volume control and then additional speaker wire from the volume control to the room's speakers. Both of these wiring configurations can be re-utilized with the V-PS-2 when powering your V-KP-1 touchpads.



## New Installation

For a new installation, the location of the V-PS-2 power supply will be based on the wiring being done in the room and around the home at any other rooms. Depending on the wiring that will be done in the home, it might be best to locate your power supplies in a central wiring location for the entire home, or in a central location for each floor or section of a home, or in a wiring closet near adjacent rooms, etc.

## Wiring

Be sure to observe proper polarity. The positive and negative terminals on the V-KP-1 must correspond with the positive and negative terminals on the V-PS-2.

The connection between the V-PS-2 and the V-KP-1 can be made using multiple wire types. If running the wire inside any walls, use CL-2 rated wire or other wiring as required to meet any local building codes.

## New Wiring or Replacing a Speaker Wire-based System

Follow these instructions when using new wiring or if you are re-using any existing speaker wiring to connect the V-PS-2 with the V-KP-1. For new installations, we recommend using 18/2 stranded cable as it is inexpensive and readily available. If re-using existing speaker wiring, this is usually either 18/2 or 16/2 and either can be used.

With the V-PS-2 disconnected from electrical power, strip 1/4" (about 6mm) from each of the two wiring conductors and insert them into

## Powering On

Once the connections have been made, connect the V-PS-2 power supply to the electrical mains to power up the system. You will see a green light on the front of the V-PS-2 when it is plugged in.

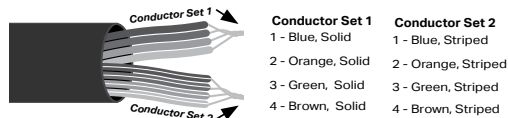
## Troubleshooting

The Fault LEDs on the front of the V-PS-2 are designed to help troubleshoot any possible wiring problems which is especially useful when re-using existing wiring. If either Fault LED illuminates red, it indicates that there is a short-circuit somewhere in that wiring connection. Power down the V-PS-2 and check that wiring to find and resolve the issue and then re-connect all wiring and power up the V-PS-2 when the wiring issue has been resolved. The Fault LEDs should both illuminate green when everything is connected properly.

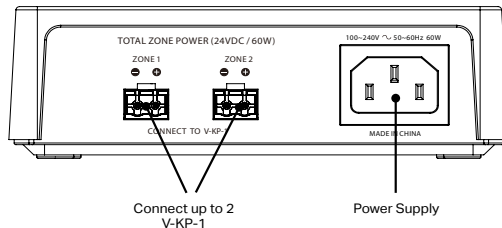
the removable screw-down terminal on the V-PS-2, making sure to match the proper polarity of each connection. Tighten the screw-down connections securely and make sure that there are no exposed strands that might cause a short-circuit.

## Replacing a Cat5 Wire-Based System

If using an existing Cat5 wire to connect the V-PS-2 to the V-KP-1, use a wire stripper to take off as much of the outer insulation sleeve as you need to fan out the wires. Untwist about 2 inches (5 cm) of each of the conductor pairs. Then strip 3/8" (about 1 cm) from each of the individual conductors. You are going to twist together 2 sets of 4 conductors to make the Cat5 wire into a 2-conductor wire. To make things easy to remember, we recommend twisting all of the striped conductors together to serve as your negative wire and twisting all of the solid colored conductors together to serve as your positive wire.



Insert the new wires into the removable screw-down terminal on the V-PS-2, making sure to match the proper polarity of each connection. Tighten the screw-down connections securely and make sure that there are no exposed strands that might cause a short-circuit.



## LIMITED WARRANTY

Russound/FMP, Inc. warrants to the original retail purchaser that this product will be free of manufacturing defects in material and workmanship for the following periods ("Warranty Period") and subject to the limitations and exclusions set forth below:

### Lifetime

Volume controls, in-wall and in-ceiling speakers, Flexbox speaker back boxes

Ten years from the date of purchase

Speaker selectors and impedance matching devices

Five years from the date of purchase

Landscape speakers, Outback™ speakers

Two years from the date of purchase

Multiroom controllers, keypads, source equipment, A-BUS devices, ComPoint devices,

D-Series amplifiers, infrared products, 70V/100V amplifiers

One year from the date of purchase

P-Series amplifiers, touchscreens

Ninety days from the date of purchase

All B-Stock or factory-refurbished items

This Warranty is not transferable to subsequent purchasers/owners of the product.

This Warranty does not include service or parts to repair damage caused by improper use or handling, including but not limited to damage caused by accident, mishandling, improper installation, shipping damage, power surges, lightning strikes, abuse, negligence, or normal wear and tear, or any defect caused by repair to the product by anyone other than Russound or Russound's authorized repair facility.

Certain Russound products may permit access to third-party content providers and/or may support third-party technologies such as specific codecs or file formats. Russound reserves the right to discontinue support and/or access to such third-party content or technologies at any time and for any reason. Russound makes no representations or warranties whatsoever regarding ongoing support for any such third-party content or technologies.

This Warranty does not cover reimbursement for the costs of removing and transporting the product for warranty service evaluation, re-installation, or installation of any replacement product provided under this Warranty.

To obtain warranty service, contact the authorized Russound dealer/installer where you purchased your product or take the unit to the nearest authorized Russound dealer. Proof of purchase must be provided – claims made without proof of purchase will not be covered under this Warranty. The authorized Russound dealer/installer will test the product and if necessary, make arrangements with Russound for service. If there are no authorized Russound dealers in your area, you must contact Russound to receive a factory Return Authorization

Number and shipping instructions. Purchaser is responsible for any shipping and handling charges for shipping the product to Russound. DO NOT RETURN ANY UNIT WITHOUT FIRST RECEIVING WRITTEN AUTHORIZATION AND SHIPPING INSTRUCTIONS FROM RUSSOUND. ANY PRODUCTS RECEIVED WITHOUT FOLLOWING THIS PROCEDURE WILL BE REFUSED AND RETURNED UNOPENED.

Upon examination, Russound will, at its sole option and expense, repair or replace any product found to be defective. Russound will return the repaired or replaced unit to you via its usual shipping method from the Russound repair center to your address in the United States of America or Canada only. Any shipping costs for addresses outside of the United States or Canada or any expedited shipping charges requested by the purchaser shall be the responsibility of the purchaser. In the event that a particular product is no longer available and cannot be repaired effectively, Russound, at its sole option, may replace it with a different model of equal or greater value, or refund the original purchase price paid. THE FOREGOING ARE YOUR EXCLUSIVE REMEDIES FOR BREACH OF WARRANTY.

This Warranty will be void if:

- the serial number on the product has been removed, tampered with, or defaced.
- the product was not purchased from an authorized dealer or reseller.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESSED AND IMPLIED WARRANTIES. RUSSOUND EXPRESSLY DISCLAIMS ALL SUCH OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT, WITH RESPECT TO THE PRODUCT. TO THE MAXIMUM EXTENT PERMITTED BY LAW, RUSSOUND SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES EXCEPT TO THE EXTENT PROVIDED (OR PROHIBITED) BY APPLICABLE LAW, EVEN IF IT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Notwithstanding the above, if you qualify as a "consumer" under the Magnuson-Moss Warranty Act, or applicable state laws, then you may be entitled to any implied warranties allowed by law for the Warranty Period. Further, some states do not allow limitations on how long an implied warranty lasts or allow the exclusion or limitation of consequential damages, so such limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For the name of your nearest authorized Russound dealer, contact: Russound, 1 Forbes Road, Newmarket, NH 03857, or call 1 (603) 659-5170. Please be advised that Russound products are only sold via the Internet through a select group of authorized Internet dealers. These are listed at [www.russound.com](http://www.russound.com). Products offered on the Internet through unauthorized Internet dealers are not covered by this warranty and may be either:

- 1) goods acquired on a secondary or grey market
- 2) counterfeit or stolen goods
- 3) damaged, or defective goods

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

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.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

*Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.*

**MPE Reminding**

To satisfy FCC / IC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.

## Danger

Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably to noise induced hearing loss but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures:

|                          |    |    |    |    |     |     |
|--------------------------|----|----|----|----|-----|-----|
| DURATION PER DAY (HOURS) | 8  | 6  | 4  | 3  | 2   | 1   |
| SOUND LEVEL (dB)         | 90 | 93 | 95 | 97 | 100 | 103 |

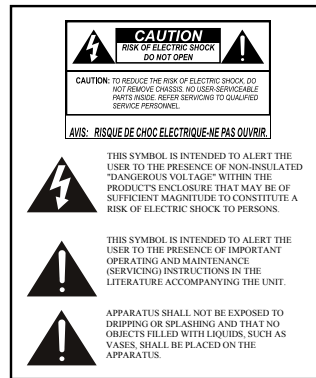
According to OSHA, any exposure in the above permissible limits could result in some hearing loss. Earplugs or protectors in the ear canal or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss. If exposure in excess of the limits as put forth above, to insure against potentially harmful exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of inducing high sound pressure levels, such as this amplification system, be protected by hearing protectors while this unit is in operation.

**Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord. Apparaten skall anslutas till jordat uttag. Apparatet må tilkoples jordet stikkontakt. Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan**

## IMPORTANT SAFETY INFORMATION

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be kept for future reference.
3. Read and understand all warnings listed on the operating instructions.
4. Follow all operating instructions to operate this product.
5. This product should not be used near water, i.e. Bathtub, sink, swimming pool, wet basement, etc.
6. Only use dry cloth to clean this product.
7. Do not block any ventilation openings. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
8. Do not install this product near any heat sources; such as, radiators, heat registers, stove or other apparatus (including heat producing amplifiers) that produce heat.
9. 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.
10. Protect the power cord being walked on or pinched, particularly at Plugs, convenience receptacles and the point where they exit from the apparatus. Do not break the ground pin of the power supply cord.

11. Only use attachments specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation ports or any other openings.
15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way; such as, power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been
16. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
17. When the MAINS plug, or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
18. Protective Ground Terminal: The apparatus shall be connected to an AC main socket with a protective



## IMPORTANT SAFETY INFORMATION

Danger- L'exposition a des niveaux elevés de bruit peut provoquer une perte permanente de l'audition, Chaque organisme humain reagit differemment quant a la perte de l'audition, mais quasiment tout le monde subit une diminution de l'acuite auditive lors d'une exposition suffisamment longue au bruit intense. Les autorites competentes en reglementation de bruit ont defini les expositions tolerees aux niveaux de bruits:

|                          |    |    |    |    |     |     |
|--------------------------|----|----|----|----|-----|-----|
| DURATION PER DAY (HOURS) | 8  | 6  | 4  | 3  | 2   | 1   |
| SOUND LEVEL (dB)         | 90 | 93 | 95 | 97 | 100 | 103 |

Selon les autorites, toute exposition dans les limites citees cidessus, peuvent provoquer certaines pertes d'audition. Des bouchons ou protections dans l'appareil auditif ou sur l'oreille doivent etre portes lors de l'utilisation de ce systeme d'amplification afin de prevenir le risque de perte permanente de l'audition, Dans le cas d'expositions superieures aux limites precites il est recommande, afin de se premunir contre les expositions aux pressions acoustiques elevees potentiellement dangeueuses, aux personnes exposees aux equipements capables de delivrer de telles puissances, tels ce systeme d'amplification en fonctionnement, de proteger l'appareil auditif.

**Laito on liitettävä suojakoskettimilla varustettuun pistorasiaan. Apparätet må tilkoples jordat stikkontakt. Apparaten skall anslutas till jordat uttag. Apparätets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord.**

1. Lire avec attention toutes les recommandations et précautions d'emploi avant d'utiliser ce produit.
2. Toutes les recommandations et précautions d'emploi doivent être conservées afin de pouvoir s'y reporter si nécessaire.
3. Lire et comprendre tous les avertissements énumérés dans les précautions d'emploi.
4. Suivre toutes les précautions d'emploi pour utiliser ce produit.
5. Ce produit ne doit pas être utilisé près d'eau, comme par exemple baignoires, éviers, piscine, sous-sol humides ETC.
6. Utiliser exclusivement un chiffon sec pour nettoyer ce produit.
7. Ne bloquer aucune ouverture de ventilation. Ne pas placer le produit tout contre un mur ou dans une enceinte fermée, cela générerait le flux d'air nécessaire au refroidissement.
8. Ne pas placer le produit près de toute source de chaleur telle que radiateurs, arrivées d'air chaud, fourneaux ou autres appareils générant de la chaleur (incluant les amplificateurs producteurs de chaleur).
9. Ne pas négliger la sécurité que procure un branchement polarisé ou avec raccordement à la terre. Un branchement polarisé comprend deux fiches dont l'une est plus large que l'autre. Un branchement à la terre comprend deux fiches plus une troisième reliée à la terre. Si la fiche secteur fournie ne s'insère pas dans votre prise de courant, consulter un électricien afin de remplacer votre prise obsolète.
10. Protéger le cordon d'alimentation de tout écrasement ou incement, particulièrement au niveau des fiches, des réceptacles utilisés et à l'endroit de sortie de l'appareil. Ne pas casser la fiche de terre du cordon d'alimentation.
11. Utiliser uniquement les accessoires spécifiés par le constructeur.
12. Utiliser uniquement avec le chariot de transport, le support, le trépid, la console ou la table spécifiés par le constructeur ou vendus avec l'appareil. Lors de l'utilisation d'un chariot, bouger avec précaution l'ensemble chariot/appareil afin d'éviter les dommages d'un renversement.
13. Débrancher cet appareil lors d'orages ou s'il n'est pas utilisé pendant une longue période.
14. Des précautions doivent être prises afin qu'aucun objet ne tombe et qu'aucun liquide ne se répande à l'intérieur de l'appareil par les orifices de ventilation ou n'importe quelle autre ouverture.
15. Pour toutes interventions techniques s'adresser à un technicien qualifié. L'intervention technique est nécessaire lorsque l'appareil a été endommagé de n'importe quelle façon, comme par exemple si le cordon secteur ou sa fiche sont détériorés, si du liquide a coulé ou si des objets sont tombés à l'intérieur de l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, s'il ne fonctionne pas normalement ou s'il est tombé.
16. **ATTENTION:** Pour réduire le risque d'incendie ou de choc électrique ne pas exposer l'appareil à la pluie ou à l'humidité.
17. Quand La prise MAINS, au coupler, est utilisé pour la source d'alimentation électrique. Il est conseillé de garder cette prise facilement accessible.
18. Borne de terre de protection: L'appareil doit être connecté à un connecteur AC principale avec un raccordement à la



a sound relationship

# Russound

**V-PS-2 Specifications:**

Power Supply Model: V-PS-2

Supplies Power For: Up to Two V-KP-1

Power Output: 60W / 24VDC

Protection: Over Voltage, Over Current, Over Temperature  
(All are self-resetting)

Dimensions (HxWxD): 2" x 4" x 6" (50.8mm x 101.6mm x 152.4mm)



218.21 - Rev. 7