



PS24 PS43 PS60 PS51

Power Supply

Online user guide for energy-efficient external switching mode AC/DC power supply, for use with Shure products world-wide.
Version: 6.1 (2023-I)

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PS24 PS43 PS60 PS51 Power Supply

IMPORTANT SAFETY INSTRUCTIONS

1. READ these instructions.
2. KEEP these instructions.
3. HEED all warnings.
4. FOLLOW all instructions.
5. DO NOT use this apparatus near water.
6. CLEAN ONLY with dry cloth.
7. DO NOT block any ventilation openings. Allow sufficient distances for adequate ventilation and install in accordance with the manufacturer's instructions.
8. DO NOT install near any heat sources such as open flames, radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not place any open flame sources on the product.
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 wider 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 from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. ONLY USE attachments/accessories specified by the manufacturer.
12. USE only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the 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. 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 exposed to rain or moisture, does not operate normally, or has been dropped.
15. DO NOT expose the apparatus to dripping and splashing. DO NOT put objects filled with liquids, such as vases, on the apparatus.
16. The MAINS plug or an appliance coupler shall remain readily operable.
17. The airborne noise of the Apparatus does not exceed 70dB (A).
18. Apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.
19. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
20. Do not attempt to modify this product. Doing so could result in personal injury and/or product failure.
21. Operate this product within its specified operating temperature range.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

WARNING: Voltages in this equipment are hazardous to life. No user-serviceable parts inside. Refer all servicing to qualified service personnel. The safety certifications do not apply when the operating voltage is changed from the factory setting.

General Description

Energy-efficient external switching mode AC/DC power supply, for the professional use with Shure products world-wide.

Specifications

	PS24	PS43	PS51	PS60	SBC10-USB	SBC10-USB15W	SBC10-USB15WS	SBC10-USB45WPD
Input	100 - 240V AC, 50 - 60 Hz							
Output	12.0 VDC, 0.4 A, 4.8 W	15.0 VDC, 0.6 A, 9.0 W	5.5 VDC, 2.72 A, 15.0 W	15.0 VDC, 4.0 A, 60.0 W	5.0 VDC, 1.0 A, 5.0 W	5.0 VDC, 3.0 A, 15.0 W	5.0 VDC, 3.0 A, 15.0 W	5.0 VDC, 3.0 A, 15.0 W 9.0 VDC, 3.0 A, 27.0 W 12.0 VDC, 3.0 A, 36.0 W 15.0 VDC, 3.0 A, 45.0 W 20.0 VDC, 2.25 A, 45.0 W
Average Active Efficiency	81.5%	84.2%	84.7%	89.7%	76.7%	85.9%	83.4%	80.4% @ 5.0 VDC 85.6% @ 9.0 VDC

	PS24	PS43	PS51	PS60	SBC10-USB	SBC10-USB15W	SBC10-USB15WS	SBC10-USB45WPD
								86.0% @ 12.0 VDC 87.9% @ 15.0 VDC 87.9% @ 20.0 VDC
Efficiency at Low Load (10%)	73.4%	76.84%	82.2%	89.0%	69.1%	82.5%	N/A: Non-EU Model	71.5% @ 5.0 VDC 76.3% @ 9.0 VDC 77.3% @ 12.0 VDC 77.9% @ 15.0 VDC 77.9% @ 20.0 VDC
No-load Power Consumption	0.1 W	0.1 W	0.1 W	0.21 W	0.1 W	0.1 W	0.1 W	0.1 W
Operating Temperature Range	0°C (32°F) to 45°C (113°F)							

Certifications

CE Notice

Hereby, Shure Incorporated declares that this product with CE Marking has been determined to be in compliance with European Union requirements.

The full text of the EU declaration of conformity is available at the following site: <https://www.shure.com/en-EU/support/declarations-of-conformity>.

UKCA Notice

Hereby, Shure Incorporated declares that this product with UKCA Marking has been determined to be in compliance with UKCA requirements.

The full text of the UK declaration of conformity is available at the following site: <https://www.shure.com/en-GB/support/declarations-of-conformity>.

Waste Electrical and Electronic Equipment (WEEE) Directive



In the European Union and the United Kingdom, this label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

Please consider the environment, electric products and packaging are part of regional recycling schemes and do not belong to regular household waste.

Registration, Evaluation, Authorization of Chemicals (REACH) Directive

REACH (Registration, Evaluation, Authorization of Chemicals) is the European Union (EU) and the United Kingdom (UK) chemical substances regulatory framework. Information on substances of very high concern contained in Shure products in a concentration above 0.1% weight over weight (w/w) is available upon request.

Energy Efficiency

Meets the DOE Level VI Efficiency Standards and (EU) 2019/1782 Ecodesign requirements.

Conforms to electrical safety requirements based on IEC/EN 62368-1.

Information to the user

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. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause interference with radio and television reception.

Notice: The FCC regulations provide that changes or modifications not expressly approved by Shure Incorporated could void your authority to operate this equipment.

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 the receiver.
- Connect the equipment to 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.

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

For information regarding responsible party and other matters relating to FCC compliance, please contact Shure Incorporated, 5800 W. Touhy Avenue, Niles, Illinois 60714-4608 U.S.A. [shure.com/contact](https://www.shure.com/contact)

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

组件名称	性能规格最大值限制					
	位	度	幅	小范围	多频范围	带宽、主频
总谐波失真	1	0	0	0	0	0
输入失真	0	0	0	0	0	0
输出失真	0	0	0	0	0	0
噪声	0	0	0	0	0	0
本系列话筒 符合 EMI 标准限制。 注：本系列话筒符合 EMI 标准限制，但并非所有话筒都符合 EMI 标准限制。E 类限制：E 类限制是指话筒在 E 类限制下工作时，其性能指标应符合 E 类限制的要求。F 类限制：F 类限制是指话筒在 F 类限制下工作时，其性能指标应符合 F 类限制的要求。G 类限制：G 类限制是指话筒在 G 类限制下工作时，其性能指标应符合 G 类限制的要求。H 类限制：H 类限制是指话筒在 H 类限制下工作时，其性能指标应符合 H 类限制的要求。I 类限制：I 类限制是指话筒在 I 类限制下工作时，其性能指标应符合 I 类限制的要求。J 类限制：J 类限制是指话筒在 J 类限制下工作时，其性能指标应符合 J 类限制的要求。K 类限制：K 类限制是指话筒在 K 类限制下工作时，其性能指标应符合 K 类限制的要求。L 类限制：L 类限制是指话筒在 L 类限制下工作时，其性能指标应符合 L 类限制的要求。M 类限制：M 类限制是指话筒在 M 类限制下工作时，其性能指标应符合 M 类限制的要求。N 类限制：N 类限制是指话筒在 N 类限制下工作时，其性能指标应符合 N 类限制的要求。O 类限制：O 类限制是指话筒在 O 类限制下工作时，其性能指标应符合 O 类限制的要求。P 类限制：P 类限制是指话筒在 P 类限制下工作时，其性能指标应符合 P 类限制的要求。Q 类限制：Q 类限制是指话筒在 Q 类限制下工作时，其性能指标应符合 Q 类限制的要求。R 类限制：R 类限制是指话筒在 R 类限制下工作时，其性能指标应符合 R 类限制的要求。S 类限制：S 类限制是指话筒在 S 类限制下工作时，其性能指标应符合 S 类限制的要求。T 类限制：T 类限制是指话筒在 T 类限制下工作时，其性能指标应符合 T 类限制的要求。U 类限制：U 类限制是指话筒在 U 类限制下工作时，其性能指标应符合 U 类限制的要求。V 类限制：V 类限制是指话筒在 V 类限制下工作时，其性能指标应符合 V 类限制的要求。W 类限制：W 类限制是指话筒在 W 类限制下工作时，其性能指标应符合 W 类限制的要求。X 类限制：X 类限制是指话筒在 X 类限制下工作时，其性能指标应符合 X 类限制的要求。Y 类限制：Y 类限制是指话筒在 Y 类限制下工作时，其性能指标应符合 Y 类限制的要求。Z 类限制：Z 类限制是指话筒在 Z 类限制下工作时，其性能指标应符合 Z 类限制的要求。						