

TAKSTAR® 得胜



PM5 (GEN 2)

48V幻象电源

48V Phantom Power Supply

使用手册 | User Manual

■ Preface

Dear Customer,

Thank you for purchasing Takstar PM5 (GEN 2) 48V Phantom Power Supply. In order to better understand and use the product, please read this manual carefully. If you have any questions or suggestions, please contact our local dealer.

■ Features

- 48V Phantom Power Supply, compatible with all condenser microphones requiring 48V phantom power supply.
- Built-in low-pass filter circuit effectively eliminates signal interference to ensure pristine audio transmission.
- DC 48V boost rectifier circuit guarantees stable voltage output while suppressing common-mode interference.
- Dual XLR balanced input/output connectors provide stable power delivery with anti-interference capabilities.
- Precision-crafted compact aluminum alloy chassis with anodized finish for wear resistance and portability.
- Built-in 1500mAh lithium battery delivers approximately 10 hours runtime and supports simultaneous charging and operation.

■ Applications

Suitable for live streaming karaoke, personal recordings, outdoor performances

■ Package Contents

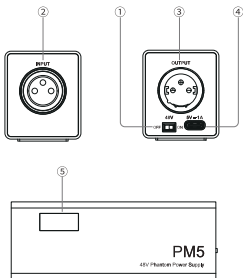
- 1 × PM5 Phantom Power Supply
- 1 × Charging Cable
- 1 × User Manual

■ Specifications

- Output Voltage: DC 48V \pm 4V/20mA \pm 20%
- Signal-to-Noise Ratio: 84dB (1kHz@30mVrms)
- Total Harmonic Distortion: THD<0.5% (1kHz)
- Battery Type: Lithium-Ion Battery
- Battery Capacity: 1500mAh
- Charging Specification: 5V=1A
- Charging Time: Approx. 2 hours
- Operating Time: Approx. 10 hours (48V Enabled)
- Net Weight: Approx. 162g
- Dimensions: 100mm \times 38mm \times 44mm (L \times W \times H)

Note: The above data are measured by Takstar laboratory which has the final interpretation right!

■ Function Descriptions



PM5 (GEN 2) 48V Phantom Power Supply

- ① 48V Power Switch: Toggle to the "ON" position to activate 48V power supply; toggle to the "OFF" position to deactivate 48V power supply.
- ② INPUT Port: Standard XLR input connector, used to connect condenser microphones that require 48V phantom power supply.
- ③ OUTPUT Port: Standard XLR output connector, used to connect audio devices such as audio interfaces, mixers, and outdoor speakers.
- ④ Type-C Charging Port: Charge the PM5 Phantom Power Supply via the included charging cable; supports simultaneous charging and operation.
- ⑤ Battery Level Indicator: The battery level icon has 4 segments, with each segment representing 25% of the total battery capacity.

■ Operating Instructions

I. Usage Instructions

If your audio devices such as audio interfaces, mixers, or speakers do not have a 48V phantom power supply function, making it impossible to connect condenser microphones that require 48V phantom power supply, you can resolve this issue by connecting the "PM5 Phantom Power Supply".

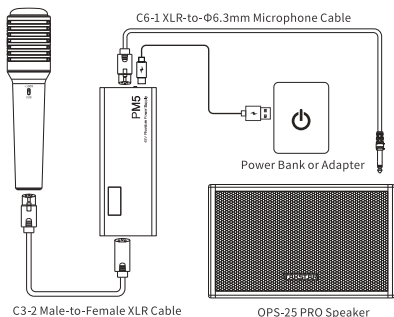
II. Connection Method

Below is a description of the connection and usage method for the "PM5 Phantom Power Supply", using Takstar's "OPS-25 PRO Speaker" and "PCM-5600 Handheld Condenser Microphone" as examples:

PM5 (GEN 2) 48V Phantom Power Supply

1. First, connect the "PM5 Phantom Power Supply" to the Takstar "PCM-5600 Microphone". Use the female XLR connector end of Takstar's "C3-2 Male-to-Female XLR Cable" (the cable needs to be purchased separately) to connect to the "PCM-5600 Microphone", and the male XLR connector end to connect to the INPUT port of the "PM5 Phantom Power Supply".
2. Connect the "PM5 Phantom Power Supply" to the "OPS-25 PRO Speaker". Use the XLR connector end of Takstar's "XLR-to- Φ 6.3mm Microphone Cable" (the cable needs to be purchased separately) to connect to the OUTPUT port of the "PM5 Phantom Power Supply", and the Φ 6.3mm plug end to connect to the microphone port of the "OPS-25 PRO Speaker".
3. To avoid equipment damage from current surge, turn on the Phantom Power Supply first, then the audio interface; when shutting down, turn off the audio interface first, then the Phantom Power Supply. Allow an interval of over 5s between on/off operations to ensure the equipment gradually reaches a stable state.
4. The "PM5 Phantom Power Supply" can operate for approximately 9 hours when fully charged. If low battery occurs during use, the "PM5 Phantom Power Supply" also features a simultaneous charging and operation function to eliminate battery life anxiety. You can connect it to a power bank or adapter via the included charging cable to enable simultaneous charging and operation.

PM5 (GEN 2) 48V Phantom Power Supply



Note: The connection methods for audio interfaces and mixers are similar; details are omitted here.

III. Charging Instructions

1. Turn on the 48V power supply switch. When the last segment of the power indicator light flashes red, it indicates low battery, and charging is required promptly.
2. Use the included Type-C charging cable to connect to an adapter for charging. During charging, the power indicator lights up green segment by segment, indicating that it is charging. Once fully charged, the power indicator shows all segments. It takes approximately 2 hours to fully charge using a 5V=1A DC power supply. When the battery is fully charged, please stop charging it to prevent battery overcharge.

3. For the first use, it is recommended to fully charge the device first. If not in use for a long time, charge the "PM5 Phantom Power Supply" once every six months to prevent over-discharging and avoid impact on battery performance.

■ Safety Instructions

To avoid electric shock, overheat, fire, radiation, explosion, mechanical risk and injury or property loss due to improper use, please read and observe the following items before use:

1. Please check if the power of the connected equipment matches with that of this product before operation. Adjust the volume to proper level during operation. Do not operate at over-power or high-volume level for extended time to avoid product malfunction.
2. If there is any abnormality during use (e.g., smoke, strange odor), please kill the power switch and unplug from power source, then send the product to the local after-sales service for repair.
3. Consumers should purchase a matching power adapter that has obtained CCC certification and meets the required standards when using a power adapter for power supply.
4. Keep this product and its accessories in a dry and ventilated area. Do not store in a humid or dusty area for extended time. Keep away from fire, rain, liquid intrusion, bumping, throwing, vibrating, or from blocking any ventilation openings, to prevent malfunction.

5. The product must, when installed on walls or ceilings, be fixed firmly in place at adequate strength to prevent from falling.
6. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.
7. Do not disassemble or repair the product unauthorized to avoid injury. If you have any questions or require any services, please contact our local after-sales service.

■ Label Meanings



This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (WEEE). Improper handling 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 WEEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

■ About This Manual

This manual contains up-to-date technical specifications as of printing. However, specifications contained herein may not conform to your particular product since Takstar is constantly improving its products. Also, specifications, devices or accessories available may vary from region to region. If you have any questions, please contact our local sales outlet. For the latest version/more information, please visit our website:

<https://www.takstar.com/>

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