

APC APNH10BLK

APC H10BLK AV 1kVA H Type Power Conditioner User Manual

Model: APNH10BLK | Brand: APC

INTRODUCTION

The APC H10BLK AV 1kVA H Type Power Conditioner is engineered to deliver pure, stable power for high-performance audio/video systems. This unit integrates surge protection, isolated noise filtering, and voltage regulation to safeguard your equipment from damaging surges, spikes, voltage fluctuations, and lightning, while eliminating EMI/RFI and voltage fluctuation as sources of AV signal degradation. It is designed to reduce stress on component power supplies, ensuring optimal performance and longevity of your home entertainment system.

PACKAGE CONTENTS

- APC H10BLK AV 1kVA H Type Power Conditioner Unit
- 6 ft Gold Plated Coaxial Cable
- Rack Mounting Brackets
- RJ11 Cable
- User Manual (this document)

SETUP AND INSTALLATION

Before connecting any equipment, ensure the power conditioner is placed on a stable, flat surface or securely mounted using the provided rack mounting brackets. Ensure adequate ventilation around the unit.

Connecting Your Equipment

The APC H10BLK features various outlets and connections designed for different types of audio/video components. Refer to the diagrams below for proper connection.



Figure 1: Front Panel Overview. This image displays the front of the APC H10BLK power conditioner, highlighting the central display panel with indicators for Line OK, Wiring OK, Load percentage, Line Boost, Switched On, Delayed On, and Line Trim.



Figure 2: Rear Panel Connections. This image shows the rear panel of the APC H10BLK, detailing the various power outlets and signal connections. Outlets are grouped and color-coded for Digital Filter (CD, DVD, DVR, CATV/SAT, Monitor, AUX), Analog Filter (TV, VCR, Tuner/AUX, Preamp/RCVR), Video Filter, Delayed, Subwoofer, and Amplifier. Also visible are coaxial (CATV/Modem, SAT/Antenna), System Ground, Circuit Breaker, and DC Trigger ports.

Power Outlets:

- **Digital Filter Outlets (CD, DVD, DVR, CATV/SAT, Monitor, AUX):** Connect digital audio/video components to these outlets for optimized power delivery and noise reduction.
- **Analog Filter Outlets (TV, VCR, Tuner/AUX, Preamp/RCVR):** Designed for analog audio/video equipment

to minimize interference.

- **Video Filter Outlets (TV, VCR):** Specifically filtered for video components.
- **Delayed Outlets (Subwoofer, Amplifier):** These outlets provide a delayed power-on sequence to prevent in-rush current spikes when turning on high-power components like subwoofers and amplifiers.

Signal Line Protection:

- **CATV/Modem (Coaxial In/Out):** Connect your cable TV or cable modem coaxial lines through these ports for surge protection.
- **SAT/Antenna (Coaxial In/Out):** Protect satellite or antenna coaxial lines.
- **TEL/DVR/SAT/DSL (RJ11 In/Out):** Connect telephone, DVR, satellite, or DSL lines for surge protection.

Grounding and Control:

- **System Ground:** Connect a ground wire from your system to this terminal if required for additional grounding.
- **Circuit Breaker (Push to Reset):** This button acts as an overload protection. If the unit experiences an overload, the circuit breaker will trip. Push to reset after resolving the overload condition.
- **DC Trigger (In/Out):** Allows for remote power-on/off control of the power conditioner by other compatible AV components.

Once all components are connected, plug the power conditioner's main power cord into a grounded wall outlet.

OPERATING THE POWER CONDITIONER

The APC H10BLK is designed for simple operation. Once connected, the unit will automatically begin conditioning power for your connected devices.

Front Panel Indicators:

- **Line OK:** Illuminates when the incoming utility power is within acceptable voltage limits.
- **Wiring OK:** Indicates that the wall outlet wiring is correct (proper grounding and polarity).
- **Load (%):** Displays the percentage of the total load capacity being used by connected equipment.
- **Line Boost:** Illuminates when the unit is boosting low incoming voltage to a safe level.
- **Switched On:** Indicates that the switched outlets are receiving power.
- **Delayed On:** Indicates that the delayed outlets are receiving power after their programmed delay.
- **Line Trim:** Illuminates when the unit is trimming high incoming voltage to a safe level.

Monitor these indicators to ensure optimal power conditions and proper operation of your system.

MAINTENANCE

The APC H10BLK Power Conditioner requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Periodically wipe the unit with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation openings on the unit are not blocked. Proper airflow is crucial for cooling.
- **Circuit Breaker:** If the circuit breaker trips (the "Push to Reset" button pops out), it indicates an overload. Disconnect some equipment, wait a few moments, and then push the button to reset. If it trips frequently, reduce the total load or consult the troubleshooting section.
- **Environmental Conditions:** Use the unit indoors only, in a dry location. Avoid exposure to moisture or extreme temperatures.

TROUBLESHOOTING

If you experience issues with your APC H10BLK Power Conditioner, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power to connected devices.	Power conditioner not plugged in. Circuit breaker tripped. Wall outlet issue.	Ensure the power conditioner is securely plugged into a live, grounded wall outlet. Check the "Push to Reset" circuit breaker on the rear panel. If it's popped out, push it in. Reduce load if it trips again. Test the wall outlet with another device.
"Wiring OK" indicator is off.	Improperly wired wall outlet.	Consult a qualified electrician to inspect and correct the wall outlet wiring. Do not use the outlet until corrected.
Audio/Video quality issues persist.	Incorrect outlet usage. External interference.	Ensure components are connected to the appropriate filtered outlets (Digital, Analog, Video). Check for other sources of interference in your environment.




SPECIFICATIONS

Feature	Detail
Model Number	APNH10BLK
Product Dimensions	1 x 5 x 5 inches
Item Weight	1 pounds
Manufacturer	APC
Input Voltage	120V
Frequency	47-63Hz
Capacity	1kVA
Outlets	12 (various filtered and delayed types)

WARRANTY AND SUPPORT

For detailed warranty information, technical support, or to register your product, please visit the official APC website or contact their customer service. Keep your purchase receipt as proof of purchase. You can find more information and support resources by visiting the [APC Store on Amazon](#).

Related Documents - APNH10BLK

 <p>Model H15 H-Type Power Conditioner</p> <p>APC H15 H-Type Power Conditioner APC H15 H-Type Power Conditioner APC H15 H-Type Power Conditioner</p>	<p>APC H15 H-Type Power Conditioner - User Manual and Specifications</p> <p>Comprehensive guide for the APC H15 H-Type Power Conditioner, covering safety information, features, installation, setup, technical specifications, and troubleshooting. Protects audio/video systems from power surges and voltage fluctuations.</p>
 <p>Model H10 H-Type Power Conditioner</p> <p>APC H10 H-Type Power Conditioner APC H10 H-Type Power Conditioner APC H10 H-Type Power Conditioner</p>	<p>APC H10 H-Type Power Conditioner User Manual</p> <p>Comprehensive guide to the APC H10 H-Type Power Conditioner, covering safety, features, installation, specifications, and troubleshooting for optimal AV system protection. Learn about surge protection, voltage regulation, and outlet types.</p>
	<p>APC-KP1-C Access Control Keypad User Manual</p> <p>User manual for the APC-KP1-C access control keypad by APC Automation Systems. Provides detailed information on installation, technical specifications, administrator operations, user settings, sound and light indications, and system specifications for secure access control.</p>
 <p>Proteous Series APC STARK6 & STARK12 SUPER DUTY STARK6 24V System Gate Automation Actuator Installation Manual</p> <p>Attention Installer The manual should be read cover to cover at least once prior to beginning installation</p>	<p>APC Proteous Series STARK6 STARK12 Gate Automation Actuator Installation Manual</p> <p>Installation manual for APC Proteous Series STARK6 and STARK12 gate automation actuators. Provides specifications, safety instructions, step-by-step installation guides, wiring diagrams, and warranty information for gate automation systems.</p>
 <p>Technical Specifications APC Smart-UPS SRT 10000VA 208V</p>	<p>APC Smart-UPS SRT 10000VA 208V Technical Specifications</p> <p>Detailed technical specifications for the APC Smart-UPS SRT 10000VA 208V, including output, input, battery, communication, physical, environmental, and conformance details. Model SRT10KXLT.</p>
 <p>DC Power Plant Product Manual MX28B600</p>	<p>APC MX28B600 DC Power Plant Product Manual</p> <p>This product manual provides detailed information on the APC MX28B600 DC Power Plant, covering installation, setup, operation, technical specifications, and warranty. Learn about its features, components, and maintenance from APC.</p>



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