

ULTRALINK HDC-150

Ultralink Ultrapower HDC-150 Power Conditioner User Manual

Advanced Power Filtration and Surge Protection for High-Definition Systems

1. INTRODUCTION

The Ultralink Ultrapower HDC-150 is a high-definition power conditioner engineered to provide comprehensive protection and enhanced performance for your valuable electronic equipment. It features advanced power filtration to improve picture quality and audio clarity, along with patented Active Surge Processor (ASP) technology for over- and under-voltage protection. This manual provides essential information for the proper setup, operation, and maintenance of your HDC-150 unit.

2. IMPORTANT SAFETY INSTRUCTIONS

Please read and follow all safety instructions before operating the HDC-150. Retain this manual for future reference.

- **Power Source:** Connect the unit only to a grounded AC power outlet with the correct voltage (120V AC, 60Hz).
- **Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Heat:** Do not place the unit near heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Cleaning:** Unplug the unit from the wall outlet before cleaning. Use a dry cloth only.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Overloading:** Do not overload wall outlets or extension cords, as this can result in a risk of fire or electric shock.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Ultralink Ultrapower HDC-150 Power Conditioner Unit
- AC Power Cord
- User Manual (this document)

4. PRODUCT FEATURES

- **Advanced Power Filtration:** Improves audio and video performance by reducing AC line noise.
- **Active Surge Processor (ASP) Technology:** Continuously monitors for over- and under-voltage conditions, automatically shutting down power to connected components if voltage exceeds 130V or drops below 85V.
- **Automatic Reset:** When voltage returns to safe operating levels, the HDC-150 automatically restores power.
- **8 AC Outlets:** Provides ample connectivity for multiple devices.
- **Dedicated High-Current Outlets:** Two outlets designed for high-power components like amplifiers and subwoofers.
- **Digital, Video, and Analog Filtered Outlets:** Optimized filtration for specific component types.
- **Coaxial and Network Protection:** Safeguards connected coaxial and Ethernet lines from surges.
- **Front Panel Voltage Display:** Real-time monitoring of incoming AC voltage.
- **3500 Joules of Surge Protection:** Robust protection against power surges.

5. FRONT PANEL OVERVIEW



Image: Front view of the Ultralink Ultrapower HDC-150 Power Conditioner, showing the power button, digital voltage display, and indicator lights.

- **Power Button:** Turns the unit on or off.
- **Voltage Display:** Shows the real-time incoming AC voltage.
- **Protection On Indicator:** Illuminates when the surge protection circuitry is active and functioning correctly.
- **Ground OK Indicator:** Illuminates when the wall outlet is properly grounded.

6. REAR PANEL OVERVIEW

HDC-150 High Definition Power Conditioner

Engineered for Complete System Protection

The new HDC-150 delivers advanced power filtration for high definition results with improved picture quality in both detail and color saturation. Enhanced audio response with tighter bass and more detail in the high frequencies make this the product of choice for all your customers' AC filtration needs. Our patented Active Surge Processor™ (ASP) technology continuously monitors for over- and under-voltage conditions, shutting down the HDC-150 above 130 volts and below 85 volts, fully protecting connected components until the problem clears. When voltage returns to safe operating levels, the HDC-150 turns itself back on for continued protection.



3,500
JOULES

ASP™
MICROPROCESSOR

LEVEL 2
FILTRATION

8
OUTLETS

UL
LISTED

RoHS
COMPLIANT

Image: Rear view of the Ultralink Ultrapower HDC-150 Power Conditioner, detailing the various AC outlets, coaxial connections, network port, and circuit breaker.

Label	Description	Type
1	HD Digital Filtered Outlets	Switched
2	HD Video Filtered Outlets	Switched
3	Analog Filtered Outlets	Switched
4	High-Current Outlets	Always On
5	Data/Network Protection (RJ45)	Input/Output
6	Coaxial Protection (Cable/Satellite)	Input/Output
7	15A Circuit Breaker	Resettable
8	AC Power Input	Standard IEC

7. SETUP

7.1 Placement

Place the HDC-150 on a stable, flat surface or within an equipment rack. Ensure there is adequate space around the unit for ventilation. Avoid placing it near heat-generating components.

7.2 Connecting Your Equipment

- Power Off All Equipment:** Before making any connections, ensure all your electronic components and the HDC-150 are powered off and unplugged from their existing power sources.

2. **Connect the HDC-150:** Plug the supplied AC power cord into the AC Power Input (8) on the rear of the HDC-150, then plug the other end into a grounded wall outlet.
3. **Connect High-Current Devices:** Plug high-power components such as power amplifiers, receivers, or subwoofers into the High-Current Outlets (4). These outlets are "Always On" and provide unfiltered power for maximum dynamic range.
4. **Connect Digital Devices:** Plug digital source components (e.g., Blu-ray players, media streamers, gaming consoles) into the HD Digital Filtered Outlets (1).
5. **Connect Video Devices:** Plug video display devices (e.g., TVs, projectors) into the HD Video Filtered Outlets (2).
6. **Connect Analog Devices:** Plug analog audio components (e.g., preamplifiers, CD players, turntables) into the Analog Filtered Outlets (3).
7. **Connect Network/Coaxial Lines (Optional):**
 - For network protection, connect your incoming Ethernet cable to the "IN" port of the Data/Network Protection (5) and connect a short Ethernet cable from the "OUT" port to your network device (router, switch, etc.).
 - For coaxial protection, connect your incoming cable/satellite line to the "IN" port of the Coaxial Protection (6) and connect a short coaxial cable from the "OUT" port to your TV, cable box, or satellite receiver.
8. **Power On:** Once all connections are secure, press the Power Button on the front panel of the HDC-150. The Voltage Display will illuminate, and the "Protection On" and "Ground OK" indicators should light up.

8. OPERATION

8.1 Powering On/Off

Press the Power Button on the front panel to toggle the power to the switched outlets (1, 2, 3). The High-Current Outlets (4) are always on when the unit is plugged into a live wall outlet.

8.2 Understanding the Display and Indicators

- **Voltage Display:** Continuously shows the incoming AC voltage. A typical reading is around 120V.
- **Protection On:** Indicates that the surge protection is active. If this light is off, the surge protection may be compromised, and the unit should be inspected or replaced.
- **Ground OK:** Confirms that the wall outlet is properly grounded. If this light is off, there may be a grounding issue with your electrical wiring, and you should consult a qualified electrician.

8.3 Active Surge Processor (ASP) Functionality

The HDC-150's ASP technology automatically disconnects power to all connected components if the incoming voltage goes above 130V or below 85V. This protects your equipment from damaging voltage fluctuations. Once the voltage returns to a safe range, the unit will automatically restore power to the switched outlets.

9. MAINTENANCE

9.1 Cleaning

Unplug the unit before cleaning. Use a soft, dry cloth to wipe the exterior surfaces. Do not use liquid cleaners or aerosol sprays.

9.2 Circuit Breaker

The HDC-150 is equipped with a resettable 15A circuit breaker (7) on the rear panel. If the unit experiences an

overload, the circuit breaker will trip, cutting power to the outlets. To reset, unplug the unit from the wall, reduce the load on the outlets, and then press the circuit breaker button back in. Reconnect the unit to the wall outlet.

10. TROUBLESHOOTING

If you encounter issues with your HDC-150, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
No power to switched outlets.	Unit is off; Circuit breaker tripped; Under/Over-voltage condition.	Press the Power Button; Reset the circuit breaker (see Section 9.2); Wait for voltage to stabilize (ASP feature).
"Protection On" indicator is off.	Surge protection may be compromised.	The unit may have absorbed a significant surge. Contact customer support for inspection or replacement.
"Ground OK" indicator is off.	Wall outlet is not properly grounded.	Consult a qualified electrician to inspect your home's wiring. Do not use the unit with an ungrounded outlet.
Voltage display shows unusual readings (e.g., below 85V or above 130V).	Extreme voltage fluctuation.	The ASP feature has activated. The unit will automatically restore power when voltage stabilizes. If persistent, consult an electrician.

11. SPECIFICATIONS

Feature	Specification
Model	HDC-150
Input Voltage	120V AC, 60Hz
Output Voltage	120V AC (Nominal)
Number of Outlets	8 (4 Switched, 4 Always On)
Surge Protection	3500 Joules
Over/Under Voltage Protection	Activates at >130V or <85V
Circuit Breaker	15 Amp, Resettable
Form Factor	Benchtop / Rack-mountable
Dimensions (L x W x H)	Approximately 50.2 x 27.6 x 11 cm (20 x 10.9 x 4.3 inches)
Weight	Approximately 4.44 kg (9.79 lbs)

12. WARRANTY AND SUPPORT

Ultralink products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your product or visit the official Ultralink website. For technical support, troubleshooting assistance, or to inquire about service, please contact Ultralink customer service through their official channels.

You can often find support information and contact details on the manufacturer's website:www.ultralink.com (Note:

This is a placeholder URL, please refer to your product documentation for the correct support website).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question