

## Schiit Magni Unity

# Schiit Magni Unity Headphone Amplifier and Preamp User Manual

Model: Magni Unity (Silver, No DAC)

## INTRODUCTION

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The Schiit Magni Unity is a fully discrete headphone amplifier and preamp designed to deliver high-quality audio performance for a wide range of headphones. This manual provides essential information for setting up, operating, and maintaining your Magni Unity.

## PACKAGE CONTENTS

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- Schiit Magni Unity Headphone Amplifier and Preamp
- Power Adapter (115VAC only, USA Plug)
- User Manual (this document)

## SAFETY INFORMATION

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- Ensure the device is connected to a 115VAC power source only. This unit is not compatible with 220-240V power systems.
- Do not expose the unit to water or excessive moisture.
- Do not attempt to open the chassis; there are no user-serviceable parts inside. Opening the unit will void the warranty.
- Place the unit on a stable, flat surface with adequate ventilation to prevent overheating.

## SETUP

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### Front Panel Overview



Image: Front view of the Schiit Magni Unity. Visible components include the 6.35mm headphone jack on the left, the volume knob in the center, and two toggle switches on the right for gain control and power/input selection.

## Rear Panel Overview



Image: Rear view of the Schiit Magni Unity. Visible components include RCA input jacks (left and right), RCA preamp output jacks (left and right), and the AC power input jack on the far right.

## Connecting Your Magni Unity

1. **Power Connection:** Connect the provided power adapter to the "AC IN" port on the rear panel of the Magni Unity. Plug the adapter into a standard 115VAC wall outlet.
2. **Audio Input:** Connect your audio source (e.g., DAC, music player) to the "INPUT" RCA jacks on the rear panel using appropriate RCA cables. Ensure left and right channels are correctly matched.
3. **Headphone Connection:** Plug your headphones into the 6.35mm (1/4 inch) headphone jack on the

front panel.

4. **Preamp Output (Optional):** If using the Magni Unity as a preamp, connect the "PREAMP OUT" RCA jacks on the rear panel to your powered speakers or a separate power amplifier using appropriate RCA cables.

## OPERATING INSTRUCTIONS

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### Powering On/Off

Use the rightmost toggle switch on the front panel to power the unit on or off. When the unit is powered on, an indicator light will illuminate.

### Volume Control

The large knob on the front panel controls the output volume for both headphones and the preamp outputs. Rotate clockwise to increase volume, and counter-clockwise to decrease it.

### Gain Selection

The leftmost toggle switch on the front panel selects the gain level. The Magni Unity offers three gain levels, including a negative gain setting suitable for sensitive In-Ear Monitors (IEMs) and high gain for power-hungry headphones. Adjust this setting to match your headphones and desired listening level without distortion.



Image: The Schiit Magni Unity in use on a desk, connected to a pair of over-ear headphones. This illustrates a typical setup for personal audio listening.

## MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid abrasive cleaners or solvents,

which may damage the finish.

- **Ventilation:** Ensure the ventilation holes on the top and sides of the unit are not obstructed. Proper airflow is essential to prevent overheating and ensure optimal performance.
- **Storage:** When not in use for extended periods, store the unit in a cool, dry place, away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

### No Sound Output

- Check if the unit is powered on and the indicator light is illuminated.
- Verify all audio cables are securely connected to both the Magni Unity and your audio source/headphones.
- Ensure the correct input is selected on your audio source.
- Adjust the volume knob; it may be set too low.
- Check the gain setting; ensure it is appropriate for your headphones.

### Distorted Sound

- Reduce the volume from your audio source or the Magni Unity.
- Ensure the gain setting is not too high for your headphones.
- Check audio cables for damage or loose connections.

### Unit Gets Warm

It is normal for the Magni Unity to become warm during operation. This is due to the nature of its internal components. Ensure adequate ventilation around the unit to prevent excessive heat buildup and maintain optimal performance.

## SPECIFICATIONS

Feature	Detail
Model Name	Magni Unity
Brand	Schiit
Connectivity Technology	Wired
Headphones Jack	6.35 mm Jack
Frequency Response	20Hz-20Khz, +/-0.01dB
Control Type	Volume Control
Number of Power Levels	3 (Gain Levels)
Special Features	Made in Texas, Preamp outs, USA-Made Stamped Chassis, Upgradable, Volume Control

Feature	Detail
Product Dimensions	5 x 3.5 x 1.25 inches
Item Weight	3 pounds
Power Input	115VAC (USA Plug only)

## WARRANTY INFORMATION



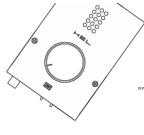
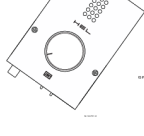

The Schiit Magni Unity comes with a 3-year limited warranty. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the official Schiit Audio website or contact customer support.

## CUSTOMER SUPPORT

For further assistance, technical support, or warranty claims, please visit the official Schiit Audio website or contact their customer service department. Contact information can typically be found on the manufacturer's website.

Official Brand Store: [Schiit Audio Store on Amazon](#)

## Related Documents - Magni Unity

	<a href="#">Schiit Ragnarok 2 Integrated Amplifier Owner's Manual</a> Comprehensive owner's manual for the Schiit Ragnarok 2 modular, remote-control, balanced differential integrated amplifier. Learn about setup, connections, controls, troubleshooting, and warranty.
	<a href="#">Schiit Magnius Balanced Headphone Amp and Preamp Owner's Manual</a> Official owner's manual for the Schiit Magnius balanced headphone amplifier and preamp. Details controls, connections, power supply, warranty, and included items for optimal audio performance.
	<a href="#">Schiit Hel+ DAC/Amp User Manual and Warranty Information</a> Comprehensive guide to the Schiit Hel+ DAC/Amp, covering setup, operation, and a 3-year limited warranty. Learn how to connect and optimize your audio experience.
	<a href="#">Schiit Hel+ User Manual and Operation Guide</a> Comprehensive guide to the Schiit Hel+ headphone amplifier and DAC, covering setup, operation, features, and warranty information.
	<a href="#">Schiit Fulla 4 User Manual and Specifications</a> Comprehensive guide to the Schiit Fulla 4 DAC/headphone amplifier, covering controls, connections, operation, and warranty information.

Dell Unity™ Family Replacing a Faulted 2U DPE

The full beelion-page report (slight exaggeration) is waiting on machine and staff time in Valencia, CA, and is expected to be available in early December. The APx525 in Corpus Christi doesn't have sufficient resolution to show the Magni Unity's analog capabilities.

Until then, please enjoy these highlights—one from APx555 (analog) and one from APx525 (with DAC).

APx555: Replacing a Faulted 2U DPE

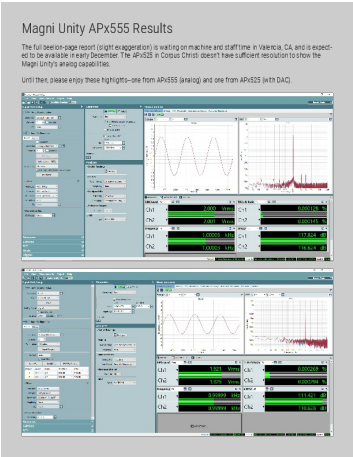
APx525: Replacing a Faulted 2U DPE

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### Dell Unity Family: Replacing a Faulted 2U DPE

A comprehensive guide for replacing a faulted 2U Disk Processor Enclosure (DPE) in Dell Unity storage systems, including safety precautions, step-by-step removal and installation procedures, and verification steps.

Documents - Schiit – Magni Unity

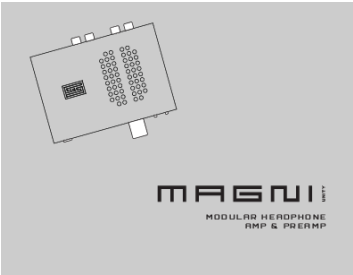


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magni unity prelim report indd schiit public upload |||

**Magni Unity APx555 Results** The full beelion-page report slight exaggeration is waiting on machine and staff time in Valencia, CA, and is expected to be available in early December. The APx525 in Corpus Christi doesn't have sufficient resolution to show the **Magni Unity**'s analog capabilities. Until ...

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[pdf] User Manual Label

MODULAR HEADPHONE AMP PREAMP 10 hours ago — 1 Headphone Jack Connect your head phones here For smaller plugs you may Remember when plug headphones into Magni it mutes the preamp output magni unity manual schiit public upload |||

MODULAR HEADPHONE AMP PREAMP 2 3 CONNECTIONS 1 5 4 1 USB Input. If you have the optional DAC card, connect your source via USB-C here. Unison USBTM works with Windows 10/11, MacOS, iOS, Android, and Linux distros that support UAC2. 2 Analog RCA Input. Connect an analog source to the Magni ...

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APx555 Test Suite: Magni Unity	
Notes: This is a test of a representative sample. If you have measurements that differ significantly from these, first check your analyzer and setup carefully, and ideally see if you can replicate the results on another analyzer. If the odd results persist, contact info@schiit.com so we can have a...	
Summary	
[200 Ohm Negative Gain]	PASSED
Level and Gain	PASSED
DC Level	PASSED
Signal Analyzer	PASSED
Frequency Response	PASSED
Signal to Noise Ratio	PASSED
THD+N	PASSED
IMD Level Sweep (CCOF)	PASSED
IMD Frequency Sweep (CCOF)	PASSED
Crosstalk, One Channel Unknown	PASSED
Stepped Level Sweep	PASSED
[200 Ohm Low Gain]	PASSED
Level and Gain	PASSED
DC Level	PASSED
Signal Analyzer	PASSED
Frequency Response	PASSED
Signal to Noise Ratio	PASSED
THD+N	PASSED
IMD Level Sweep (CCOF)	PASSED
IMD Frequency Sweep (CCOF)	PASSED
Crosstalk, One Channel Unknown	PASSED
Stepped Level Sweep	PASSED
[200 Ohm High Gain]	PASSED
Level and Gain	PASSED
DC Level	PASSED
Signal Analyzer	PASSED
Frequency Response	PASSED
Signal to Noise Ratio	PASSED
THD+N	PASSED
IMD Level Sweep (CCOF)	PASSED
IMD Frequency Sweep (CCOF)	PASSED
Crosstalk, One Channel Unknown	PASSED
Stepped Level Sweep	PASSED
[32 Ohm Negative Gain]	PASSED

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APx555 Test Suite Magni Unity schiit public upload |||

Notes: This is a test of a representative sample. If you have measurements that differ significantly from these, first check your analyzer and setup carefully, and ideally see if you can replicate the results on another analyzer. If the odd results persist, contact info@schiit.com so we can have a...

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APx555 Test Suite: Magni Unity	
Notes: This is a test of a representative sample. If you have measurements that differ significantly from these, first check your analyzer and setup carefully, and ideally see if you can replicate the results on another analyzer. If the odd results persist, contact info@schiiit.com so we can have a look.	
Summary	
[SD] Class Negative Gain	
Level and Gain	PASSED
DC Level	PASSED
Signal Analyzer	PASSED
Frequency Response	PASSED
Signal to Noise Ratio	PASSED
THD+N	PASSED
MD Level Sweep (CCF)	PASSED
MD Frequency Sweep (CCF)	PASSED
Consist. One Channel Loadline	PASSED
Stopped Level Sweep	PASSED
[SD] Class Low Gain	
Level and Gain	PASSED
DC Level	PASSED
Signal Analyzer	PASSED
Frequency Response	PASSED
Signal to Noise Ratio	PASSED
THD+N	PASSED
MD Level Sweep (CCF)	PASSED
MD Frequency Sweep (CCF)	PASSED
Consist. One Channel Loadline	PASSED
Stopped Level Sweep	PASSED
[SD] Class High Gain	
Level and Gain	PASSED
DC Level	PASSED
Signal Analyzer	PASSED
Frequency Response	PASSED
Signal to Noise Ratio	PASSED
THD+N	PASSED
MD Level Sweep (CCF)	PASSED
MD Frequency Sweep (CCF)	PASSED
Consist. One Channel Loadline	PASSED
Stopped Level Sweep	PASSED
[SD] Class Negative Gain	

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Notes: This is a test of a representative sample. If you have measurements that differ significantly from these, first check your analyzer and setup carefully, and ideally see if you can replicate the results on another analyzer. If the odd results persist, contact info@schiiit.com so we can have a...

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APx555 Test Suite: Magni Unity 9018 DAC	
Notes: This is a test of a representative production line sample. If you have difficulties reproducing these results, check your analyzer set-up and ancillary equipment carefully, ensure your analyzer has had a recent calibration, and contact the analyzer manufacturer for help if necessary. If you still have significantly different results, please contact info@schiiit.com with a copy of your results so we can bring back your product and check it against our standard.	
Summary	
[USB]	
Level and Gain	PASSED
DC Level	PASSED
Signal Analyzer	PASSED
Frequency Response	PASSED
Signal to Noise Ratio	PASSED
THD+N	PASSED
MD Level Sweep (CCF)	PASSED
MD Frequency Sweep (CCF)	PASSED
Stopped Level Sweep	PASSED
[Sequence Result]	
Sequence Result	PASSED
APx's Instrument	
Instrument ID	11871
Calibration Date	3/23/2021
APx's Version	6.0.0.000.140330

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APx555 Test Suite Magni Unity 9018 DAC schiit upload public |||

Notes: This is a test of a representative production line sample. If you have difficulties reproducing these results, check your analyzer set-up and ancillary equipment carefully. ensure your analyzer has had a recent calibration, and contact the analyzer manufacturer for help if necessary. If you s...

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magni unity manual Schiit AudioTurn the knob to adjust both headphone and preamp outputs 3 Gain Switch Magni has three gain settings 15dB high 0dB low 10dB schiit public upload srsItd

AfmBOorlxGokJe3El6sFkgsiP8y aj66mala3uH kca3vZt18Qe Fv5D Audiomagni 2 Analog RCA Input Connect an analog source s IN jacks with quality cables Preamp Outputs If you have a speaker power amp schiit Fv5Dschiit AfmBOoo2yIRlimp5sITKih hjZDmeXp0tb4ZCg4GS8bl288rVp5uoU2 amp 1 Headphone Jack your head phones here For smaller plugs may Remember when plug headphones into it mutes preamp schiit hjZDmeXp0tb4ZCg4GS8bl288rVp5uoU2schiit AfmBOorBxAtEWb15pS yM0vcidai 2NBx AloE60PEhbmTsyahT9ouSS preamp work \* \*Magni wall wart is AC output Most adapters are DC will not work works 14 16VAC 1 2A adapter onllyschiit AloE60PEhbmTsyahT9ouSSschiit

AfmBOornF3fNel7wfpvDH4ZyD9pwKitf2OopIIQ0JcHA7x1YmCsY61cu onlyIf amp or powered monitors connect them This allows use as volume control 4 Power switch Up schiit

AfmBOornF3fNel7wfpvDH4ZyD9pwKitf2OopIIQ0JcHA7x1YmCsY61cuschiit

