



The AeroAudio HP AMP AES67 PoE FM is a superb well designed studio quality class AB headphone amplifier made for Jocks and producers that hides away and just does the job you need it for.

The +20 year field proven design ensures your ears are safe from annoying cracking audio on touching the volume knob. With a double output for both 3.5 and 6.3mm jack's makes the annoying 'where did I put it' adapters obsolete, just simply connecting all types of studio headphones. The rock solid miniature casing hides away in your desk with a special design so your knees are safe from painfully bumping it. A small bright shining LED let's you find the Amp instantly.

Three key features make this amplifiers outstanding for studio use. The first feature is the high slew rate that prevents odd order distortion anomalies.

The second feature is current-on-demand at the output that enables the amplifier to respond quickly and linearly when necessary without risk of output distortion. When large amounts of output power are suddenly needed, the amplifier can respond extremely quickly without raising the noise floor of the system and degrading the signal-to-noise ratio.

The third feature is the gain-independent frequency response that allows the full bandwidth of the amplifier to be used over a wide range of gain settings.

WARINIG!

Without proper adjustment to the type of headphone used the HP-AMP-AES67 can produce over 100dBA @ +6dBU input level and can cause ear damage! Take proper precautions and make proper settings to ensure the maximum legally allowed output level is not exceeded. AeroAudio strongly advises to adjust input level to be set at 85dBA maximum output level on the headphone. AeroAudio can not be held responsible for any type of damage or injuries in short- or long-term caused by improper installation or use.

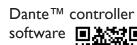




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Network setup



By default the HP-AMP-AES67 is shipped with DHCP on.Without a DHCP server in the network, the AMP can be found using the Dante[™] controller software.You can use a direct cable connection between the computer and the AMP.Although a switch can be used, it is not needed.The latest version of the Dante[™] controller software can be downloaded from the official Audinate website at https://www.audinate.com.

Within the controller software you will find the AMP using the "device info" section.

🧕 Dante Control	ler - Netw	ork View				
File Devices Vie	w Help					
i 🤣 🕻		🚠 💽 [± 🔕	۱		
		Routing	Device Info	Clock Status	Network Status	Events
Search			Device		Model	
Cle	ar All		Name	-	Name	
		AEROA	UDIO-AES67-	AMP-83ea50		
Device Lock						

By double clicking the device (in red) you will find the IP range of the AMP.

R	outing	Device Info Clock Statu	s Network Status Events		-				
		Device 🗡 Name	Model Name	Product Version	Dante Version	Device Lock	Primary Address	Primary Link Speed	
1	AEROAUDIO-AES67-AMP-83ea50 N/A								
	👱 Dante Controller - Device View (AEROAUDIO-AES67-AMP-83ea50)								
	File	Device View Help							
	9	~ @ •4	+	ARR	AUDIO-AES6	-AMP-83ea 5	_	0	
	Dante Controller has discovered an address for device 'AEROAUDIO-AES67-AMP-83ea50' that does not match the subnet configuration of the local Dante interface 'LAN-verbinding'.								
	Pos	ssible causes of this	problem include:						
	 Local Dante interface has link local address which is different to the device subnet Device has a link local address which is in a different subnet to the local interface 								
	Det	ails:							
			e address on Dante ir on Primary Dante inte					5.0	

To change setting on the AMP you will need to match the IP address of the computer to the range of the AMP. In this case 169.254.81.xxx



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Now set the computer running the controller software to match within the range of the AMP. In this example we use 169.254.81.101 with subnet 255.255.0.0

🖣 Netwerkverbindingen				>
🌀 🗇 🖉 🔹 Configuratiescherm 🔹 Netwerk en internet 🔹 Ne	etwerkverbindingen -	🗸 🐼 Zoeken in Netwerkverb	indingen	
Organiseren 👻 Dit netwerkapparaat uitschakelen Problemen r	met deze verbinding vaststellen >	»	₩ - ▼	0
🆞 Eigenschappen van LAN-verbinding	×			
Netwerken Delen				
Verbinding maken via:	inding d netwerk thernet Connection I217-V			
Configureren	Eigenschappen van Internet I	Protocol versie 4 (TCP/IPv4)	<u>? ×</u>	
Deze verbinding heeft de volgende onderdelen nodig: Image: Construct on the state of the state	deze mogelijkheid ondersteunt		de	
Beschnjving Transmission Control Protocol/Internet Protocol. Het standaardprotocol voor WAN-netwerken dat communicatie mogelijk maakt met andersoortige, onderling met elkaar verbonden netwerken. Sluiten	C Automatisch een DNS-ser C De volgende DNS-server Voorkeurs-DNS-server: Alternatieve DNS-server:			
	🔲 Instellingen tijdens afsluit	en valideren Geava	inceerd	

Now the HP-AMP-AES67 will show in black and settings can be changed.

		Pr	rimary Leade	r Clock: AERO	AUDIO-AES67-/	AMP-83ea50		(
Search Clear All	Routing Device Info Clock Status Device A	Network Status Events Model Name	Product Version	Dante Version	Device Lock	Primary Address	Primary Link Speed	Seconda Address
Device Lock	AEROAUDIO-AES67-AMP-83ea50	MNS-DANTE-I2S-R-02-1P	0.0.3	4.2.2.3		169.254.81.234	100Mbps	N/A
Dante Controller - De	vice View (AEROAUDIO	-AES67-AMP-83e	a50)					- 0 3
ile Device View Help								
eceive Status Latency	Device Config Network	Config AES67 Con	fig					
	Receive Channels	5			1	Available Ch	annels	
Channel	Connect	ted to	Sign	al Filte	20			
Ω Left								
∩ Right								







By default AES67 is enabled. You can use the Ravenna RAV2SAP control software to enable any AES67 streams to be shown in the Dante[™] controller software. The latest version of the RAV2SAP software and manual can be downloaded from the official Ravenna-network website at: www.ravenna-network.com.

Device configuration

The HP-AMP-AES67 supports sample rate conversion. Since by default AES67 is enabled, this option is only available when AES67 has been disabled.

Sample Rate		
Sample Rate: 48		Pull-up/down:
44	, 1k	This device does not support Pull-up/down configuration.
	,2k —	Poli-up/down configuration.
96	k	

By default encoding is set to PCM 24 bit to match optimal encoding of the DA converter.

Encoding	Clocking
Preferred Encoding: PCM 24 💌	Unicast Delay Requests: Disabled 💌
PCM 32	
PCM 16	
PCM 24	

Encoding can be changed but can result in loose of audio quality. AeroAudio strongly advices to leave encoding at PCM24 bit.

Where needed Unicast delay requests can be enabled.

Delay is set by default to minimum at ImS. This can be adjusted upto 5mS, but is not recommended.

Device Latency ——			
	Latency:	1,0 msec 🔻	
		1,0 msec	
		2,0 msec	
		5,0 msec	







Since the HP-AMP-AES67 is connected by a single network cable, redundancy is not supported. Network settings can be changed to match the used AES67 or DanteTM network.

Dante Redundancy
Current:
New:
This feature cannot be configured
Addresses
 Obtain an IP Address Automatically (default) Manually configure an IP Address
IP Address:
Netmask:
Gateway:
Apply Revert
Reset Device
Reboot Clear Config







Tip Ring Sleeve Tip Ring Sleeve Strain Relief Clamp

Tip: Audio Left Ring: Audio Right Sleeve: Ground



Connections 3.5mm and 6.35mm Jack connector-

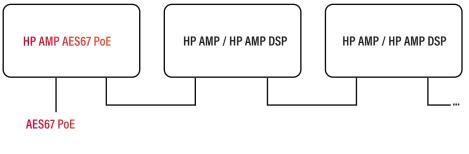


Analog balanced output

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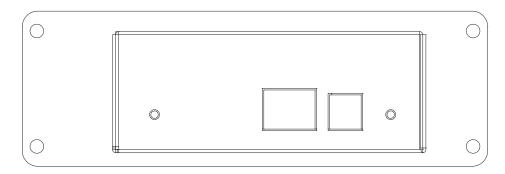
for Adding extra analog headphone amps from AeroAudio. (HPAMP FM/TM and/or HPAMP DSP FM/TM.)





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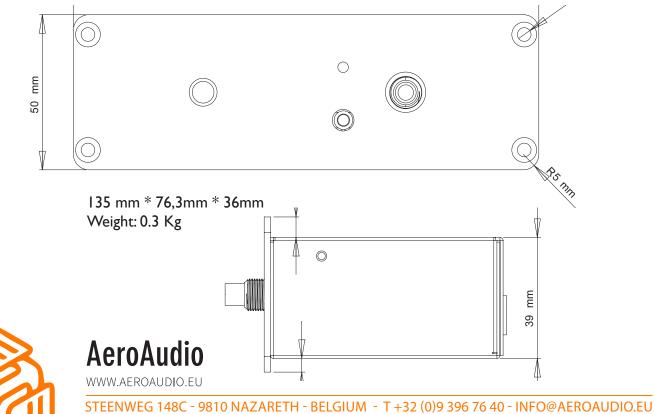




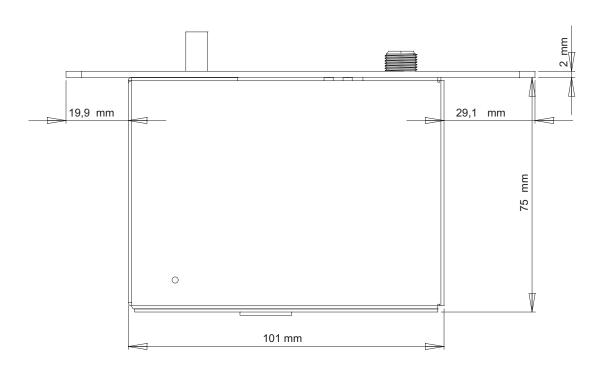
Ethernet RJ45 AES67/Dante:

	RJ45 F	emale	
12345678	Pin	Function	Туре
	Ι	TX +	Data
	2	TX -	Data
	3	RX +	Data
	4		
	5		
	6	RX -	Data
	7		
	8		
	Shield	Shield	Shield

DIMENSIONS







TECHNICAL SPECIFICATIONS:

Power over Ethernet Maximum output power per channel @IKhz: 300mW at 32 ohm Distortion @ IKhz, I00mW: < 98dB Channel separation @IKhz: < 101dB Frequency response: 22Hz – 22KHz Gain: $-100 \sim 0$ dB Encoding: PCM16, PCM24, PCM32 Sample rates: 44.1 KHz, 48KHz, 88.2KHz, 96KHz Audio standard: AES67 and DanteTM enabled. Device latency: +/-ImS within a QOS enabled network.





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Safety First!

- Caution: hot and sharp surfaces! This professional device may only be installed by qualified personnel.
- Check the cardboard box for any damage upon receipt of the goods. In case of a damaged box, please contact your distributor before opening it. contact your distributor before opening the box.
- Read all documentation before using the unit.
- Keep all documentation for future reference.
- Keep the box and the packaging material even if the equipment has arrived in good condition.
- Should you ever need to ship the appliance, use only the original factory packaging.
- Do not spill water or other liquids in or on the device.
- Always use the power supply provided.
- Make sure that the power outlets correspond to the power requirements indicated on the back of the power supply.
- Do not use the device if the power cord is frayed or broken.
- Turn off and disconnect the devices from the mains before making any connections.
- Do not use the device near heaters, heating grills, radiators or other heat producing devices.
- Do not use the unit on a surface or in an environment that may interfere with the normal flow of air around the unit. If the unit is used in an extremely dusty or smoky environment, the unit should be "dusted" regularly.
- Do not remove the cover. Removing the cover will expose you to potentially dangerous voltages.
- In case of malfunction, this unit should only be serviced by qualified service personnel.
- Always follow the instructions of the supplier and manufacturer Only use accessories, spare and replacement parts specified by the manufacturer.
- Only use the device for the purpose intended by the manufacturer.



