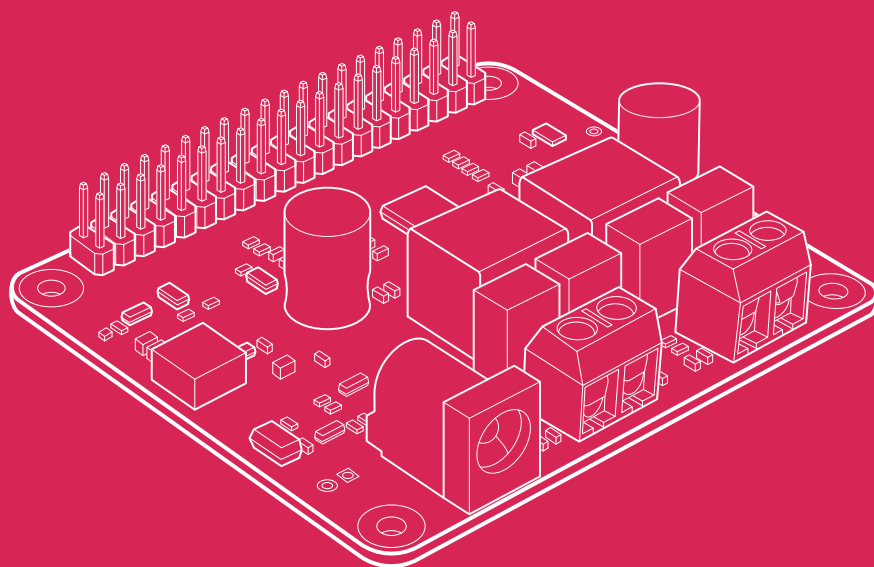




Raspberry Pi DigiAMP+

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Raspberry Pi Ltd



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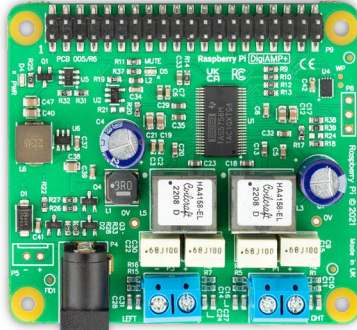


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Overview



Raspberry Pi DigiAMP+ is a high-performance audio HAT, and is compatible with any Raspberry Pi computer that has a 40-pin GPIO header. With the Texas Instruments TAS5756M stereo amplifier, it delivers a direct connection to passive stereo speakers at up to 35 Watts per channel with variable output. It is powered by an external 12–24V DC power supply, and connects directly to Raspberry Pi's GPIO header, providing power to the Raspberry Pi itself. DigiAMP+ is ideal for use in Raspberry Pi-based hi-fi systems.

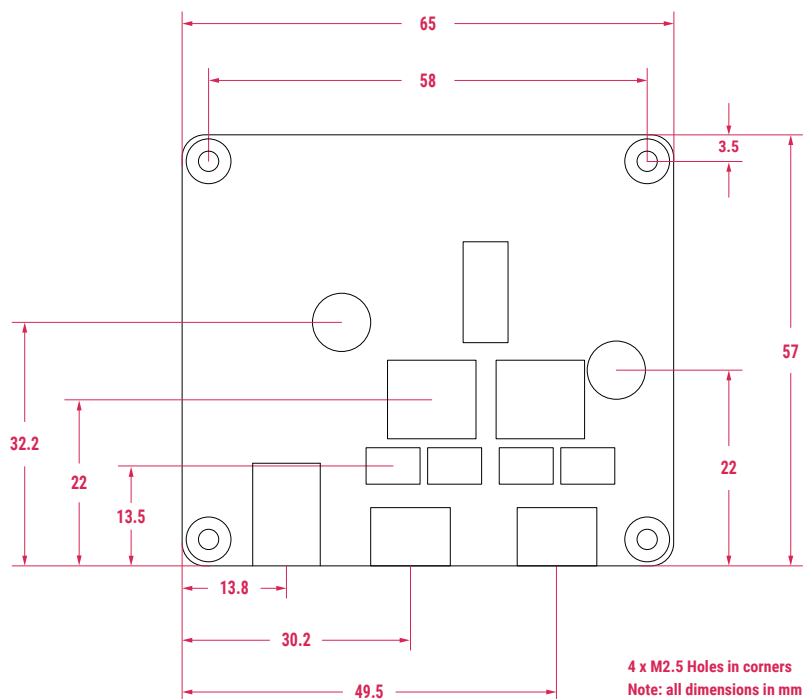


Specification

Form factor:	58 mm × 65 mm
Performance:	Full high definition 24-bit 192kHz Texas Instruments TAS5756M digital audio codec (DAC)
Input power:	12–24V DC external power source required via panel-mounted 5.5 mm × 2.5 mm barrel connector. Do not apply power to your Raspberry Pi's own power input when using DigiAMP+. 5.1V @ 2.5A power is provided from your DigiAMP+ to your connected Raspberry Pi
Features:	Power LED Alternative power input for hard-wired installations via P5 40-pin pass-through GPIO header HAT EEPROM write-enabled
Supports:	2 × 35W passive stereo speakers with variable output via panel-mounted screw terminals
Operating temperature:	0°C–50°C
Production lifetime:	Raspberry Pi understands the value to customers of long-term availability of product, and therefore aims to continue supply for as long as practically possible. We expect Raspberry Pi DigiAMP+ to remain in production until 2028
Compliance:	For a full list of local and regional product approvals, please visit pip.raspberrypi.com



Physical specification



WARNINGS

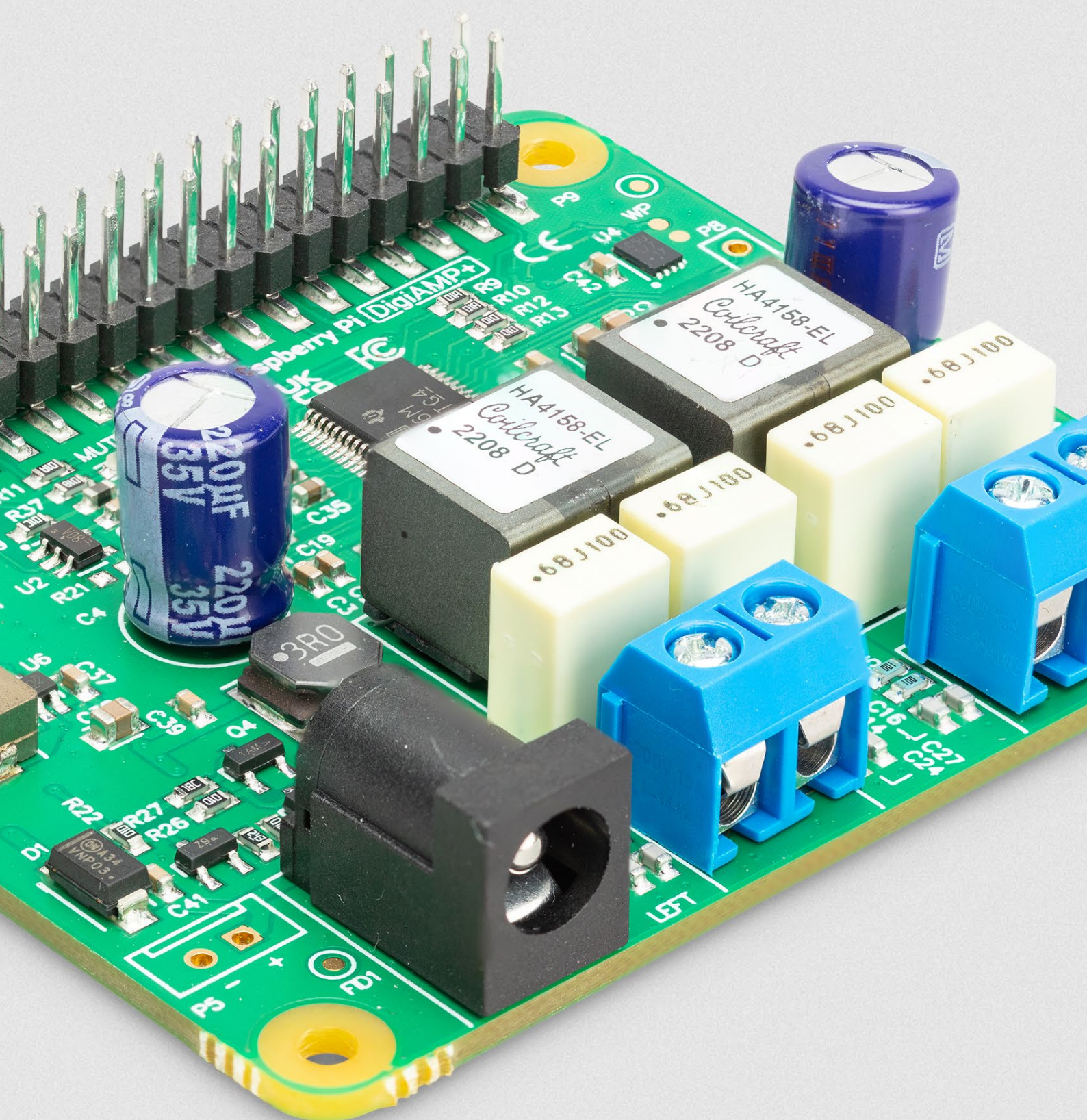
- This product should only be connected to a Raspberry Pi via the GPIO header.
- Any external power supply used with this product should comply with relevant regulations and standards applicable in the country of intended use.
- This product should be operated in a well-ventilated environment. If used inside a case, the case should not be covered.
- Whilst in use, this product should be placed on a stable, flat, non-conductive surface, and should not be contacted by conductive items.
- The connection of incompatible devices to the Raspberry Pi DigiAMP+ may affect compliance, result in damage to the unit, and invalidate the warranty.
- The connection of incompatible devices to the GPIO connection of a Raspberry Pi computer may affect compliance and result in damage to the unit and invalidate the warranty.
- All peripherals used with this product should comply with relevant standards for the country of use, and should be marked accordingly to ensure that safety and performance requirements are met.
- The cables and connectors of all peripherals used with this product must have adequate insulation so that relevant safety requirements are met.
- Operation of this device requires adult supervision.

SAFETY INSTRUCTIONS

To avoid malfunction or damage to this product, please observe the following:

- Do not expose the product to water or moisture, or place it on a conductive surface while it is in operation.
- Do not expose the product to heat from any source; Raspberry Pi computers and the Raspberry Pi DigiAMP+ are designed for reliable operation at normal ambient temperatures.
- Take care whilst handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- In order to minimise the risk of electrostatic discharge damage, avoid handling the Raspberry Pi DigiAMP+ while it is powered. If it is necessary to do so, handle it only by the corners.







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