JustBoom Amp HAT Kit

The JustBoom Amp HAT kit is a fully plug-and-play package that is simple to setup and use. No soldering or technical knowledge is needed to get up and running. Plug in the power cable, connect the kit to a set of passive speakers and set up the JustBoom Player software. You can then be up and running quickly, enjoying flawless high-quality audio playback within minutes of unboxing. All of the Raspberry Pi GPIO pins are still accessible on the Amp HAT for easy customisation of your project; add additional sensors, buttons, LEDs, rotary encoders or anything your heart desires.

SKU: JBM-022

Use Cases

- Multi-room streaming/local audio player
- Interactive art projects with audio requirement
- Arcade table projects with high quality, immersive audio
- Streaming (either from cloud or network storage) high-definition audio player
- Internet radio player with high-quality stereo audio
- Refit old radios and boomboxes (Roberts radios etc.) with high-quality streaming audio
- And many many more

JustBoom Amp HAT Kit content

- JustBoom Amp HAT
- JustBoom Amp HAT Case
- Raspberry Pi 3 Model B+
- Power Supply
- Pre-loaded SD Card with JustBoom Player OS

Downloaded from Arrow.com.
Amp HAT Features

- Full high-quality audio 192kHz / 32bit
- 2 x 55 Watt peak output at 8 ohms (2 x 30 Watt RMS)
- Includes both a DAC and power amplifier - just connect to your passive speakers
- Back-powers the Raspberry Pi over the GPIO (with full HAT compliant protection) at 2.5A so only one power supply required for the whole system.
- Plug and play compatibility for ease of use
- Hardware and software volume control from your Raspberry Pi
- Onboard, hardware jumpers for configuring mute and gain settings (jumpers could optionally be changed with switches)
- Mute/enable with GPIO22 (this can be overridden by using jumper J4)
- No soldering required
- This kit comes with a Raspberry Pi 3 Model B, however, the Amp HAT is still compatible with the Raspberry Pi A+, B+ and 2B. It's also compatible with the Raspberry Pi Zero, but we would recommend the JustBoom Amp Zero for this purpose
- Mounting hardware included
- Optional IR receiver included in package
- Unused GPIO pins still accessible via unpopulated extension header
- The Raspberry Pi Amplifier is fully HAT compliant
- Full driver support in Raspbian / NOOBS
- Compatible with OSMC / Max2Play / RuneAudio / Volumio / Moode / PiCorePlayer / PiMusicBox / OpenELEC and others.