TDA 7293 or 7294 bridged poweramp project
Schematics, images, PCB, and another images about TDA729x bridge project

This project made for **instrument amplifier** project not for home Hi-Fi users. The amplifiers on this documents are assembled and working very well. The TDA Bridge poweramp have more than enough output power for keyboards or guitars. Marshall and for example Carsbro using this solution on their amplifiers (Marshall mode Four, and Carsbro GLX100). The PCB of Bridged TDA is very easy to assemble, and very stable for long term and heavy usage.

**The Bridge-Parallel is not recommended.** Very hard to build and assemble, the PCB is large, great heatshink and high-power transformer required.

English blog and PCB order: [http://custompcb.blogspot.com/](http://custompcb.blogspot.com/)
Hungarian blog and PCB order: [http://diyguitarpa.blogspot.com/](http://diyguitarpa.blogspot.com/)
The Youtube Channel • Picasa gallery • Email: gitarfogas@gmail.com

Images (on Google Picasa) about this project:
7294 bridged • 7293 bridged and paralleled • The soft start • The power supply

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**Schematics, images, PCB, and another images about TDA729x bridge project**

- Schematic of the bridged TDA poweramp
- Schematic of the speaker protection
- Schematic of power supply and the soft-start for toroid transformer
- The assembled poweramp and speaker protection PCB
- Images about the power supply and soft-start for poweramp

**More power: the paralleled TDA project**

- Schematic of the paralleled TDA7293 poweramp
- Images about TDA7293 paralleled poweramp
- The assembled poweramp and speaker protection PCB

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**Figure 25: Bridge Application Circuit**

![Bridge Application Circuit Diagram](image-url)
Images about TDA 729x bridge amp project
Images about TDA7294 bridged poweramp

Schematics for TDA 729x bridge amp project
Schematic of speaker protection
Bridged poweramp project with TDA 7294

Schematics for TDA 729x bridge amp project

Schematic of power supply and the soft-start for toroid transformer

The assembled poweramp and speaker protection PCB

http://microprojects.rentahost.net
Bridged poweramp project with TDA 7294

More power: the parallel TDA project

Images about TDA 729x bridge amp project
Images about the power supply and soft-start for poweramp

The Bridge-Parallel project is not recommended for average users.

Very hard to build and assemble, the PCB is large, great heatsink and high-power transformer required. The power is more than 2x300W, but not stable and quiet like a simple paralleled amplifier. The cheaper "gain-clone" TDA7294 not useful for this parallel version, the 7293 or 7294s have higher costs. Not only the one "gainclone" have higher price, 8 circuits required to try this.

Make sure that you have enough knowledge and devices to done this if you decide to try out.
Schematics for TDA 7293 bridge-parallel amp project

Schematic of the bridged-paralleled TDA7293 poweramp
Images about TDA 7293 amp project
Images about TDA7293 bridged-paralleled poweramp

Visit the Picasa gallery of this project:
https://picasaweb.google.com/105028544937175433650/My2x400WRackPACircuit

PCB for TDA 7293 bridge amp project
The assembled poweramp and speaker protection PCB

Visit the Picasa gallery of this project:
https://picasaweb.google.com/105028544937175433650/My2x400WRackPACircuit

Images about TDA7293 bridged-paralleled poweramp