



# REVERSE ENGINEERING

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# Product

- I decided to take apart an amplifier
- It is by Cambridge audio called the A500
- This is an industrial amplifier so all the screws were uncovered and it was easy to take apart.
- An amplifiers job is to make the sound of the input much louder and much cleaner



500 Series

Model: A500RC Integrated Amplifier  
Power Rating: 220-240V AC ~50Hz  
Max Power Consumption: 400W

**CAUTION:** RISK OF ELECTRIC SHOCK.  
DO NOT OPEN.

**AVIS:** RISQUE DE CHOC ELECTRIQUE.  
NE PAS OUVRIR.

**ACHTUNG:** VORM ÖFFNEN DES GERÄTES.  
NETZSTECKER ZIEHEN.

Serial No: 521-A500/S-0701-0066



POWER A

www.cambridgeaudio.com

Made under licence in P

This is the stats of the amplifier

It uses a AC power supply and

Has a max. consumption is 400W

# Taking it apart



These are all the inputs

This is the amplifier  
Cambridge Audio A500

I started by taking of the screw on the  
side and back





Here I am taking apart the top cover which had screws on the side and back, which slides off.



Micro-switch



Diode - Ensures electricity only flows in one direction

Capacitors - stores small amount of charge quickly



Resistors - slow down the flow of current



heat sync- allows for cooling of the electricals



Transformer - transforms the 220-240v to its necessary voltage