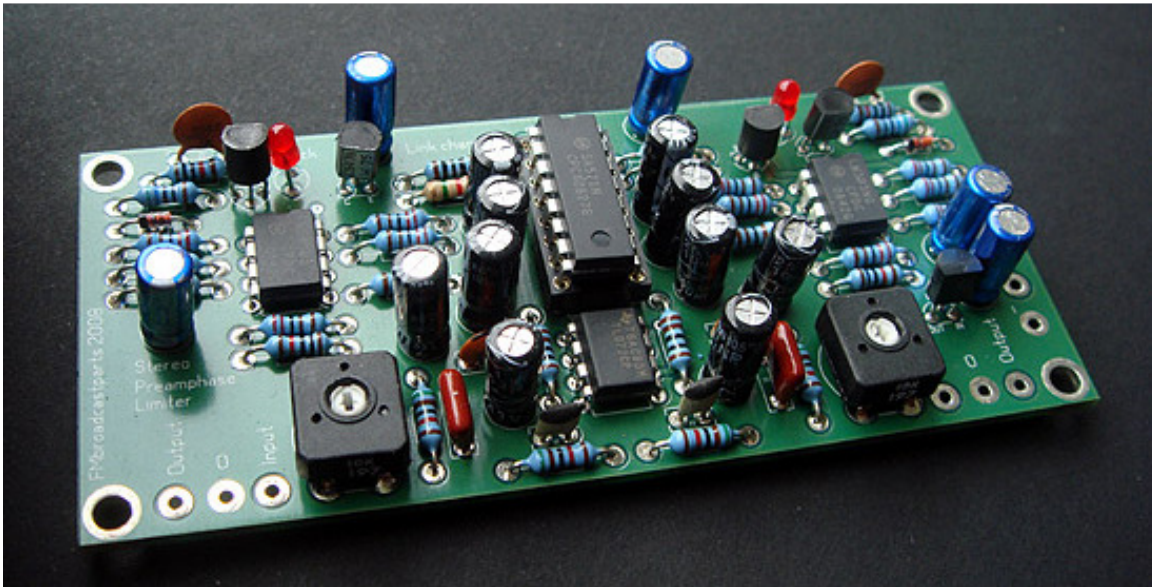


Fmbroadcastparts stereo audio limiter is a basic stereo limiter with build-in pream phase with SA/NE571 Componder / Expander. This basic limiter is only intended for audio limiting. Overshoots have to be eliminated with an audio clipper. Audio filtering > 15 kHz is also very important for maximum deviation protection. There is a limit-indication led on board.



Dimension (L x W x H): 100mm x 45mm x 20mm

(The picture is a mere example; it does not bind the provided product)

### Features:

- Small size limiter with professional audio quality.
- Build-in pream phase 50µs
- Limit indication Led
- Adjustable inputs
- Low cost

ELECTRICAL SPECIFICATIONS	min	typ	max	
Powersupply	12		16	Volt DC
Supply current		80		mA DC
Input impedance	-	10	-	K ohm
Input level		0	+6	dBu

Output impedance		1		K Ohm
Output level		0		dBu
Pream phase		50		μs
Limiter attack time	9	10	12	ms
Limiter release time	90	100	120	ms
Signal to noise ratio	65	70		dB

ABSOLUTE MAXIMUM RATING			
Symbol	Parameter	Value	Unit
Vs	Powersupply	18	V dc
Is	Supply Current	250	mA dc
Tstg	Storage Temperature Range	0 / +60	°C
Tc	Operating Temperature	50	°C

### Drill plan Stereo limiter

PCB size 100 x 45mm, drill holes M3, 0x0 is on left top side.  
Dimensions in mm, drill centre on values calculated from 0x0  
Tolerance +/- 0.5mm

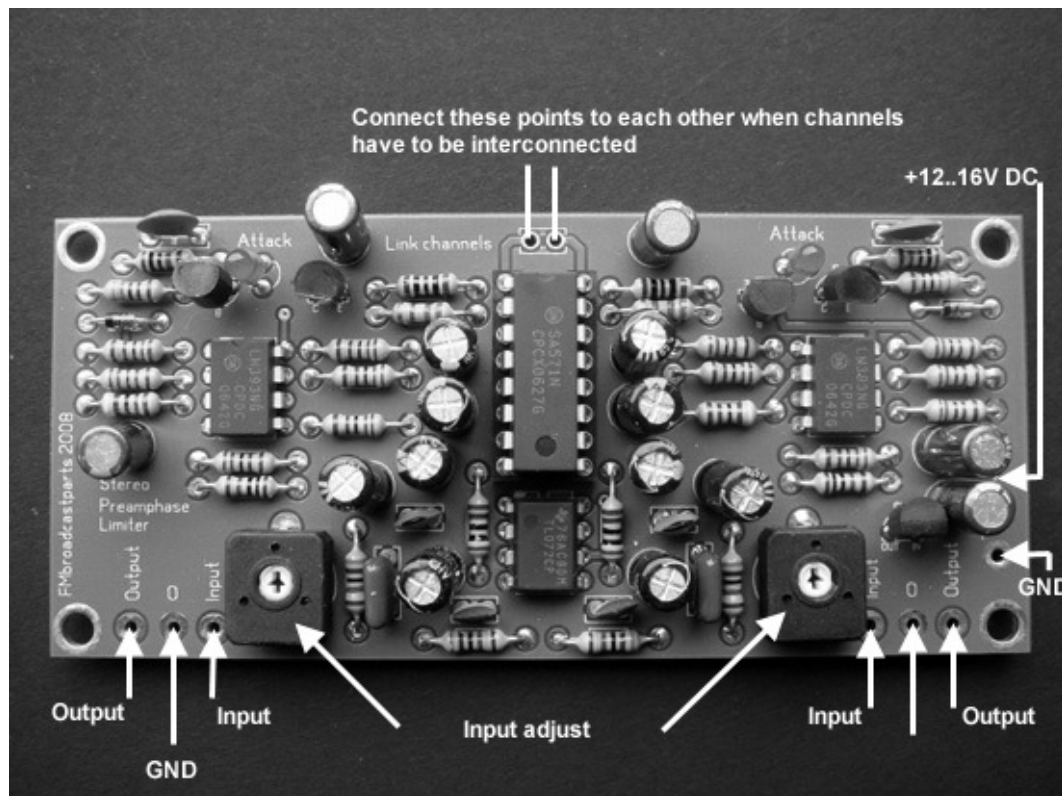
A full size drill plan is provided with your PCB



## MOUNTING/HARDWARE

With every stereo audio limiter you will receive 4 hexagonal 5mm M3 spacers and M3 nuts. We advice you to use these spacers and build the PCB in a metal or aluminium enclosure/box. With the supplied drill plan you can drill the holes exact on the spot.. Use an 3.5mm metal drill for best result.

## Connections & settings



## Connections and settings explained

- Output Unbalanced limited audio output.
- Input Unbalanced audio input; adjust the audio channel from -10 to + 6 dbu until limit led starts to flash
- GND System Ground
- +12..16V DC DC 12...16V input.
- Connection Interconnection between audio channel is needed when you use an audio limiter with A stereo encoder.

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