

UcD180

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General Description

The UcD180 is a state-of-the-art full-range amplifier-module based on high-end UCD-technology. The module can be remotely switched ON/OFF and is small, lightweight and will fit into any of your applications:

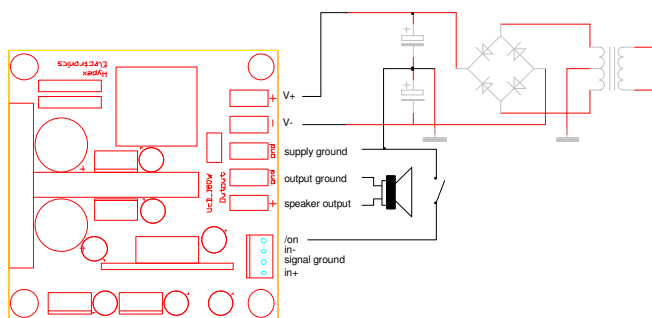
- Active monitoring systems.
- Professional high-end audio.
- DIY-projects.
- Active Public Address systems.
- Active subwoofers.

In the UcD180 you will find a small, powerful and reliable amplifier for all your pure amplification needs.

Features

- 180W/4 Ω , 105W/8 Ω (\pm 50V supply).
- 0.01%<THD+N<0.02% 50W/8 Ω 10Hz<f<20kHz.
- Power Bandwidth 10Hz<f<20kHz \pm 0.5dB.
- Input impedance 10k Ω .
- Output impedance 0.01 Ω .
- Stand-by mode (stand-by power <1W).
- Differential input.
- Short-circuit protection.
- Pop-free stop mode.
- Voltage gain: 26dB.
- Load-independent bandwidth.
- Efficiency >90%.
- Dimensions 65mm x 65mm x 31mm.
- Weighs only 95g.

Connection Diagram



Connection	Description	min	max
V+	+ supply voltage	+20V	+50V
V-	- supply voltage	-20V	-50V
GND	Supply ground		
LS-	Output ground		
LS+	Output 'hot'		
/ON	On (internal pull-up)		
IN-	Negative signal input		
GND	Signal ground		
IN+	Positive signal input		

In case of an un-balanced source: connect IN- to signal-ground at the signal-source.