

# DSP Amplifiers

## D-4.750

Digital DSP amplifier, 4 × 750 W, 2 U, 19"



# DSP Amplifiers D-4.750

The D-4.750 is a digital 4-channel amplifier for mobile sound concepts and fixed installations. With the corresponding speaker presets, Fohhn DSP amplifiers ensure optimum performance and reliability.



## Main features

- Output power: 4 × 750 W / 4 ohms
- Extensive DSP processing, controllable in real time with the Fohhn Audio Soft
- Can be remotely operated and controlled over Fohhn Net
- 2 analog audio outputs (XLR) with separate DSP
- Controlled via intuitive control panel with display
- Installation size: 2 U / 19"

Available with the following color options



Black

Equipped with the following Fohhn technologies



Fohhn DSP  
inside



# Technical data

## Features

weight	11.6 kg
dimensions (W × H × D)	2 U, 88,9 × 483 × 380 mm

## Electronic features

amplifier technology	Class D
inputs / outputs	elektronisch symmetrisch
input sensitivity	1 V>
amplifier outputs	4
DSP routing (matrix)	4 × 4
frequency response	20 Hz – 20 kHz
gain	32 dB
signal/noise ratio	>105 dB/A
THD	THD <0.002 %, +3 dBu, 1 kHz THD+N <0.02 %, +3 dBu, 20Hz to 20 kHz
protective circuit	soft start, overtemperature, short circuit, overload
power supply	AC 230 V, 195 V – 250 V AC 50/60 Hz, switch mode power supply
temperature range	0 – 45 °C
cooling	temperature-controlled fan
input impedance	10
output impedance	100 ohms
input clipping level	+15 dBu
output power	4 × 750 W / 4 ohms 4 × 390 W / 8 ohms (1 kHz, THD+N <1 %, 230 V mains)
output clipping level	+20 dBu
internal clipping level	+38 dBu
minimum impedance	4 ohms
input channels	4

## Controller

digital signal processors	6
independent limiters	24
selective 3-band limiting	bass / mid / high
system latency	0,64 ms
band-specific time constants	yes
filter technology	56-bit double precision

## Remote control and remote monitoring

remote control	Fohhn-Net over RS-485, Fohhn Audio Soft
remote monitoring	temperature, protect, signals

## Display (front)

indicators	4 line display 12 × Signal/Level LED 4 × Clip LED 6 × channel select LED 1 × ready LED 1 × over-temperature LED receive/send remote control LED
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## Connections and controls

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controls

Select potentiometer 4 buttons for DSP handling Power on/off switch 6 buttons for channel select

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