

100%
POWER



D-4.1200 AMPLIFIER

IN A CLASS OF ITS OWN: THE NEW DSP-CONTROLLED, 4-CHANNEL D-4.1200 AMPLIFIER.

Fohhn is pleased to introduce the latest addition to its range of high performance, DSP-controlled multi-channel amplifiers – the new D-4.1200. The amp has been specially developed to guarantee the highest standards of audio quality and reliability. Fohhn DSP amplifiers ensure excellent sound quality and reliable operation, as well as offering a range of options for intelligently adapting your sound system to fit the room acoustic. Weighing just 11.1kg and occupying 2U of rack space, the CLASS D amplifier is extremely compact. It has a power rating of 4x 1200W/4 Ohm and runs very quietly. A major feature is the integration of Fohhn Audio DSPs.

THE MAIN FACTS AT A GLANCE

- 4 input channels
- 4 amplifier outputs 1200 W/4 Ohm each (output channels 1-4)
- 2 DSP aux outputs (output channels 5 and 6)
- State-of-the-art CLASS D amplifier technology
- Integral Fohhn DSPs guarantee optimum sound performance
- 5 top-class audio tools e.g. integrated parametric EQ
- Integral loudspeaker database for optimum operating reliability
- Remote control and remote monitoring capability. Networkable
- Minimal heat gain, quiet ventilators fans

APPLICATIONS

→ In combination with Fohhn loudspeaker systems, suitable for use in theatres, opera houses, churches, at concerts and live music events. Can also be used for delay lines, AV and industrial applications.

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6005-00900



FULL CONTROL

FOR PERFECT SOUND.

USER-FRIENDLY CONCEPT

Like all Fohhn systems, the DSP-controlled D-4.1200 digital amplifier can be intuitively controlled and monitored via laptop, in real time.

D-4.1200 AMPLIFIER

DIGITAL MULTI-CHANNEL AMPLIFIER WITH INTEGRAL DSP TECHNOLOGY.

SOUND QUALITY. OPERATING RELIABILITY.
INTELLIGENT CONTROL.



→ Integrated Fohhn Audio DSPs.

Dual DSP power guarantees excellent sound quality and maximum operating reliability. Fohhn's integrated DSP technology offers a range of options for system integration. The inclusion of two separate DSPs and an integral database containing details of all Fohhn loudspeakers makes our amplifiers unique.

The speaker database is based on an algorithm specially developed for each speaker. This protects bass, mid and high frequency drivers in all performance classes, guaranteeing outstanding sound and maximum operational reliability. The DSPs offer, on each channel, a range of programmable audio tools including 10-band parametric EQ, delay, compressor/limiter, noise gate and crossover, as well as temperature and performance monitoring. There is also a series of presets containing the necessary loudspeaker protection data and sound optimisation details for all Fohhn loudspeakers. This optimisation, together with the multiband limiting, enables maximum levels of performance and reliability to be achieved. Custom presets can also be created and stored.

With remarkable reductions in generated heat, incredibly low weight and compact dimensions combined with characteristically high levels of output power, this new Class D DSP amplifier is recommended for an unlimited range of applications.

→ Plug & Play

For mobile applications, the intuitive 4-line user display gives easy access to all DSP functions. The D-4.1200 runs very quietly due to temperature controlled ventilators and a precisely adjustable noise gate. The amplifier's multi-channel design saves having to connect and adapt external DSPs, EQs and crossovers. For small installations, projects can be realised quickly and reliably using a comparably simple microphone mixer.

→ Remote control/remotely monitoring

The D-4.1200 can be networked and remotely controlled via laptop from a mixing desk or production area. Multiple amplifiers can be networked and centrally controlled. The D-4.1200 can also be linked to a media control system, which can be used to switch between presets for different room settings for example.

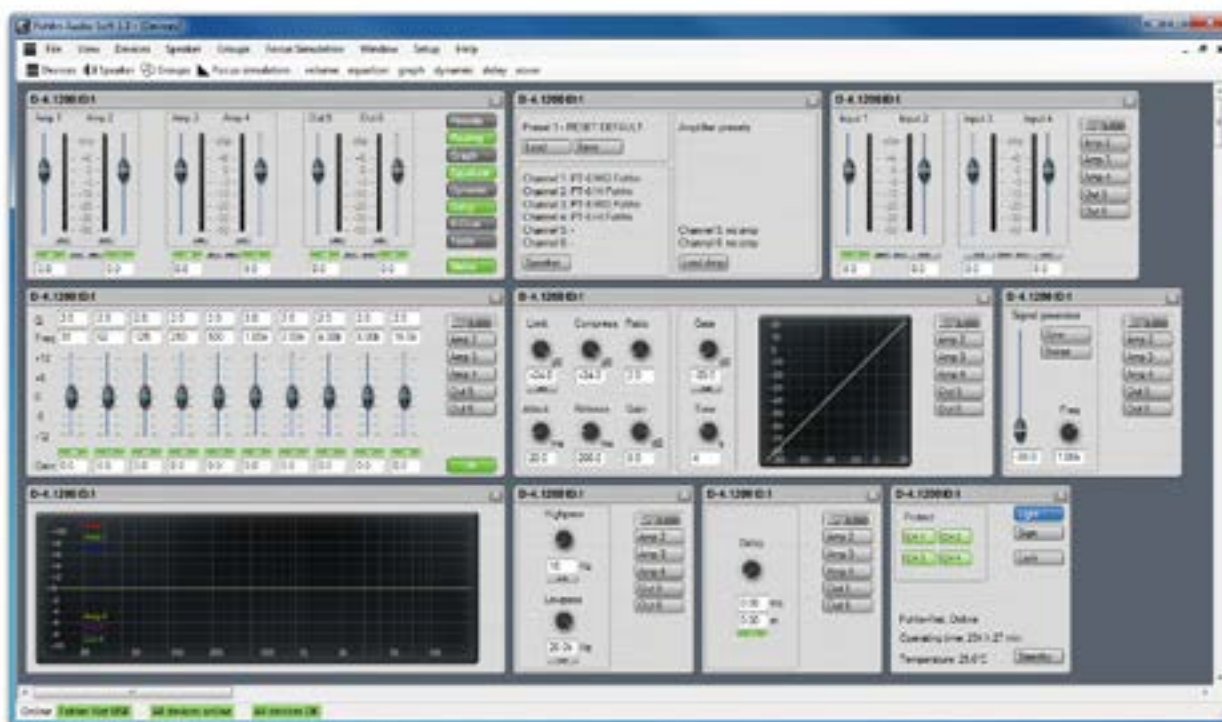
→ Fohhn® Mains Control.

The integrated network monitoring system.

During use, the supply to the amplifier is constantly monitored. If at any time it exceeds the maximum permitted range (180-255 VAC), the supply will be interrupted. During power up it also minimizes the input surge current by switching on at the mains voltage zero crossing.

→ Accessories

Control software, USB adapter, Ethernet adapter


Electro-acoustical features

Amplifier technology	Class D
EIA amplifier power	4x 1200W/4 ohms 4x 750W/8 ohms (1 kHz, THD+N < 1%, 230 V mains)
Minimum impedance	4 ohms
Outputs	4 + 2 DSP
Inputs	4
DSP channels, Fohhn Audio DSP	6
Amplification	34 dB
Input sensitivity	1,4 V
Frequency response	20 Hz - 20 kHz
S/N Ratio	>105 dB/A
Protective circuit	switch-on delay, soft start impedance- and short-circuit
Remote control	Fohhn-Net, Fohhn Audio Soft
Remote monitoring	temperature, protect, signals
Power supply	AC 230V, 195 V - 250 V AC 50/60 Hz, switch mode power supply
Temperature range	0 - 45°C
Cooling	temperature-controlled fan
Weight	11,1 kg
Dimensions W x H x D	2HE, 88,9 x 483 x 380 mm

Controller

6 digital signal processors
24 independent limiters
selective 3-band limiting (bass/mid/high)
band specific time constants
56-bit double precision filter technology
AD/DA 24 bit/48 kHz

Controls

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

Indicators

4 line display
12x Signal/Level LED
4x Clip LED
6x channel select LED
1x ready LED
1x over-temperature LED
receive/send remote control LED

Dynamic range	110 dB, A-weighted 20Hz-20kHz
Propagation delay	< 0.65 ms
Calculation depth	56 bit
Inputs/outputs	electronically balanced
Input impedance	10 kOhm
Output impedance	100 Ohm
Input clipping Level	+15 dBu
Output clipping Level	+20 dBu
Internal clipping Level	+38 dBu
THD	THD < 0.002%, +3 dBu, 1kHz THD+N < 0.02%, +3 dBu, 20Hz-20kHz

SOUNDS PERFECT. IS PERFECT.



FOHNN® AWARDS.



LES ETOILES DU SIEL
für Focus Modular

OUR LOVE OF DETAIL GOES FAR BEYOND THIS BROCHURE:

On our website you can find detailed product descriptions, technical data, accessories and full data sheets for download, along with 360° product views, user guides, PDF brochures, CAD drawings, 2D and 3D DWG files, Fohhn software, firmware updates, EASE and ULYSSES simulation data, references and much more.

Visit us at www.fohhn.com



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by Fohhn®

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