

# IA 1202D

EFFICIENT AND EASY TO USE

## PRODUCT FEATURES

- Two-channel Class-D DSP installation amplifier
- SE factory graded system design for plug & play setup
- User EQ and delay settings for system tuning
- Rotary encoder with LCD screen for direct parameter access
- USB backup and update
- Analog and digital inputs/outputs
- 2x 800 W @ 8 Ω | 1x 2,400 W (BTL)
- 2x 1,200 W @ 4 Ω | 1x 3,600 W (BTL)
- 2x 1,800 W @ 2 Ω



## PRODUCT DESCRIPTION

IA 1202D is a powerful 2-channel installation amplifier with an efficiency of up to 84 %. It delivers up to 2 x 1,800 watts into 2 ohms or up to 1x 3,600 watts into 4 ohms in bridge mode. Firmware updates and expansions to the speaker library and functions can be carried out via the USB port on the front. Furthermore, backups of the system and user settings can also be created. The SE AUDIOTECHNIK DSP platform ensures future-proof signal processing. For maximum flexibility and signal quality, the amplifier is equipped with digital AES/EBU and analogue inputs and outputs. Speakers are connected to the IA 1202D via speakON® or Phoenix connections. The Phoenix analogue input is particularly practical for installation applications.

## SPECIFICATIONS

### IA 1202D AMPLIFIER

ELECTRICAL	
Type	Class-D, Switched Mode Power Supply
Channels	Two
Rated Output Power (1kHz, THD: <1%) <sup>1</sup>	2x 1,800 W @ 2 Ω 2x 1,200 W   1x 3,600 W (BTL) @ 4 Ω 2x 800 W   1x 2,400 W (BTL) @ 8 Ω
Minimum load impedance	2 Ω (Stereo)   4 Ω (BTL)
Frequency response (±1 dB) <sup>2</sup>	20 Hz to 20 kHz
Damping factor	> 500
Input impedance	10 kΩ balanced/unbalanced
Maximum input level	+22 dBu
SNR Line In to Spk out	97 dB
Noise Floor (A-weighted @4 dBu sensitivity)	-57 dBu
Channel crosstalk	76 dB
THD+N	<0.1% @ 1 W, 1 KHz; <0.3% @ 1 dB below rated power
DSP	48 kHz/24 bit DSP processor, Processing latency: 1.1 ms
Protection	Short circuit, overheating, overcurrent
Cooling	Sensor controlled fan, Front-to-back air flow
Power efficiency	Up to 84%
Power consumption	Idle: 35 W, Full power: 1,200 W
Operating voltage range	100 – 240 VAC 50/60 Hz
HARDWARE	
Screen	LCD, 4x20 symbol alpha-numeric
User controls	Control encoder with push-button, Power On
Input signal connectors	XLR-line-level inputs and link outputs, XLR AES/EBU input and output, Phoenix MSTP inputs
Output signal connectors	Neutrik SpeakON® NL4 outputs, Phoenix Contact MSTB 4-pin
Power connector	IEC-60320 C14
SOFTWARE	
DSP Features	Levels, Param. EQ, Delay, Phase, Input Sensitivity, RMS & Peak Limiter, Power Limiter (IA 1202D), IIR/FIR Filtering
Configuration handling	Loading of factory presets provided by SE, Saving and recalling of user presets
Monitoring	Temperature
MECHANICAL	
Product dimensions [H x W x D]	44 x 483 x 256 mm / 1 RU
Net weight	5 kg
Packaging dimensions [H x W x D]	143 x 588 x 380 mm
Total weight	7.6 kg
Cabinet	Aluminium front panel, steel body
Rack mounting	Four frontal 6 mm holes
Operating temperature range	[0°C ; 40°C]
Storage temperature range	[-40°C ; 70°C]

<sup>1</sup> According to IHF-A-202

<sup>2</sup> „Flat“ Preset

All product specifications are subject to change without notice.

PRODUCT DRAWINGS IA 1202D

