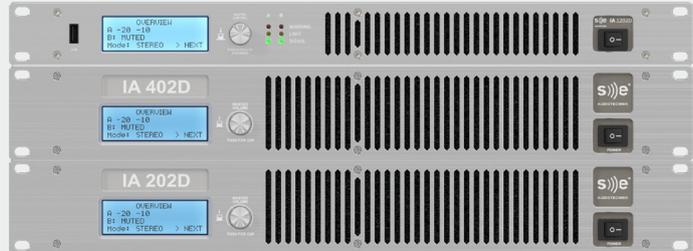# IA 202D / IA 402D / IA 1202D

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 (IA 1202D only)
- IA 202D: 2x 250 W @ 8 Ω
- IA 402D: 2x 400 W @ 4 Ω
- IA 1202D: 2x 1,800 W @ 2 Ω

PRODUCT DESCRIPTION

The I-Line amplifier series offers efficient, high-quality amplification that is optimally matched to SE AUDIOTECHNIK speaker systems - IA 202D delivers 2x 250 W into 8 Ω, IA 402D holds a solid 2x 400 W into 4 Ω, and IA 1202D thrills with 2x 1,800 W into 2 Ω. IA 1202D can also be used in bridge-mode (BTL) with up to 1x 3,600 W into 4 Ω. The built-in 24bit/48kHz DSP processor enables all I-Line amplifiers to perfectly power SE speakers with factory grade filters and limiter settings. User-adjustable EQs and delays are available to adjust balance and time alignment. A rotary push-encoder on the front panel conveniently controls speaker presets, delay and all other functions. This ensures fast, uncomplicated and worry-free system setup and tuning. The very low idle power consumption provides optimal conditions for operation in installation applications. Finally, a combination of XLR, SpeakON® and Phoenix connectors for in- and output signals, ensures maximum flexibility during the installation and application process. IA 1202D offer in addition AES/EBU in- and outputs.
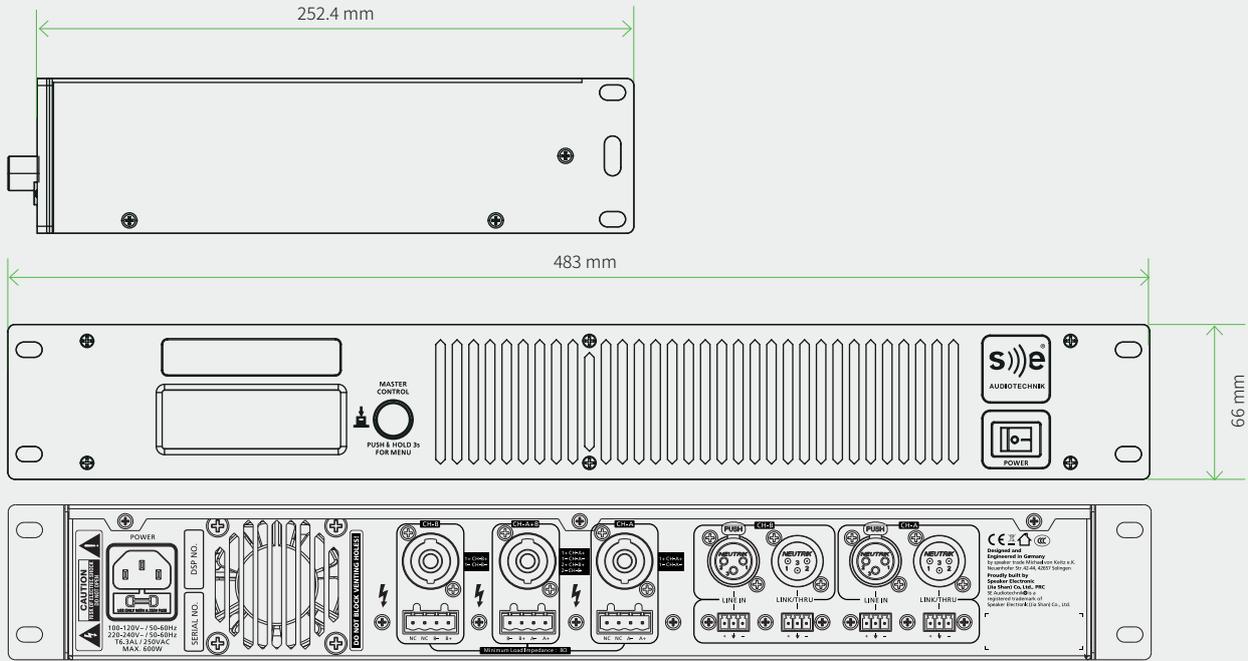
SPECIFICATIONS

	IA 202D AMPLIFIER	IA 402D AMPLIFIER	IA 1202D AMPLIFIER
ELECTRICAL			
Type	Class-D, Switched Mode Power Supply		
Channels	Two		
Rated Output Power (1kHz, THD: <1%) [1]	2 x 250 W @ 8 Ω, 2 x 150 W @ 16 Ω	2 x 400 W @ 4 Ω, 2 x 200 W @ 8 Ω, 2 x 100 W @ 16 Ω	2x 1,800 W @ 2 Ω, 2 x 1,200 W | 1 x 3,600 W (BTL) @ 4 Ω, 2 x 800 W | 1 x 2,400 W (BTL) @ 8 Ω
Minimum load impedance	8 Ω	4 Ω	2 Ω (Stereo) | 4 Ω (BTL)
Frequency response (±1 dB) [2]	20 Hz to 20 kHz		
Damping factor	> 200	> 200	> 500
Input impedance	10 kΩ balanced/unbalanced		
Maximum input level	+20 dBu	+20 dBu	+22 dBu
SNR Line In to Spk out	90 dB	90 dB	97 dB
Noise Floor (A-weighted @4 dBu sensitivity)	-52 dBu	-52 dBu	-57 dBu
Channel crosstalk	64 dB	62 dB	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 76%	Up to 83%	Up to 84%
Power consumption	Idle: 29 W, Full power: 600 W	Idle: 30 W, Full power: 1,000 W	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, Phoenix MSTP inputs and link outputs	XLR line-level inputs and link outputs, Phoenix MSTP inputs and link outputs	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 outputs		
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]	66 x 483 x 256 mm / 1.5 RU	66 x 483 x 256 mm / 1.5 RU	44 x 483 x 256 mm / 1 RU
Net weight	4.7 kg	5.1 kg	5 kg
Packaging dimensions [H x W x D]	143 x 588 x 380 mm		
Total weight	7.25 kg	7.65 kg	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]		

[1] According to IHF-A-202
[2] „Flat" Preset

All product specifications are subject to change without notice.

Version 2024/02

DE
EN
ES
FR
IT
中文

PRODUCT DRAWINGS IA 202D |IA 402D

252.4 mm

483 mm

66 mm

PRODUCT DRAWINGS IA 1202D

256 mm

483 mm

44 mm