HIGH POWER / POWER AMPLIFIERS / POWER AMPLIFIERS

LUX-4350

LOW IMPEDANCE DIGITAL POWER AMPLIFIER



CLASS D

- Compact multi-channel power
  Four independent channels to power multiple zones from a single rack unit.
- Maximum configuration flexibility
  Stereo, parallel and bridge modes to adapt the power to each application.
- Precise adjustment per channel
  Independent gain, sensitivity and HPF / LPF filters to optimise each speaker.
- Easy professional integration
  XLR and Euroblock connections, emergency input and remote mute for any project.
- Reliability and continuous protection
  Advanced limiters and protections that ensure stable and safe operation.

+ Info:
https://fonestar.com/LUX-4350

ESPECIALLY RECOMMENDED IN:



Centers of Worship | Hospitality | Retail | Sports facilities | Hotels | Transport Stations

DESCRIPTION

Digital low-impedance power amplifier 4 x 350 W RMS @ 8 Ohm, 4 x 700 W RMS @ 4 Ohm, 2 x 1400 W RMS @ 8 Ohm bridge. Selectable input gain (-infinite, 0 dB, +6 dB). HPF, LPF filters per channel. Mute. Emergency input. Auto standby.

TECHNICAL CHARACTERISTICS

TECHNOLOGY	4-channel digital amplifier. High efficiency class D amplifier circuit.
POWER (RMS)	Stereo / parallel mode: 350 + 350 + 350 + 350 W RMS at 8 Ohm 700 + 700 + 700 + 700 W RMS at 4 Ohm Bridge mode: 1400 + 1400 W RMS at 8 Ohm All channels driven: 2800 W RMS at 4 Ohm
FREQUENCY RESPONSE	20-20,000 Hz (-3 dB)
INPUT IMPEDANCE	Balanced 20 kOhm Unbalanced 10 kOhm
GAIN	36.69 dB
DISTORTION (THD+N)	< 0.3% (< 0.04% typical)
S/N RATIO (SNR)	> 98 dB at 1 KHz
CROSSTALK	< -73 dB at 1 KHz
CMR	> 80 dB at (20 Hz - 1 kHz)
DAMPING FACTOR	> 140



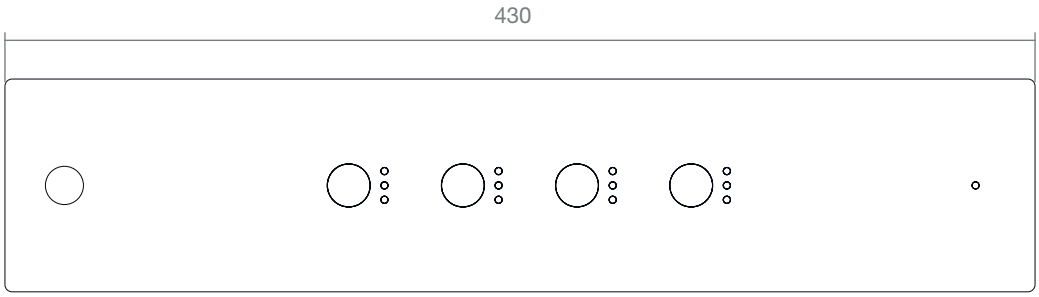
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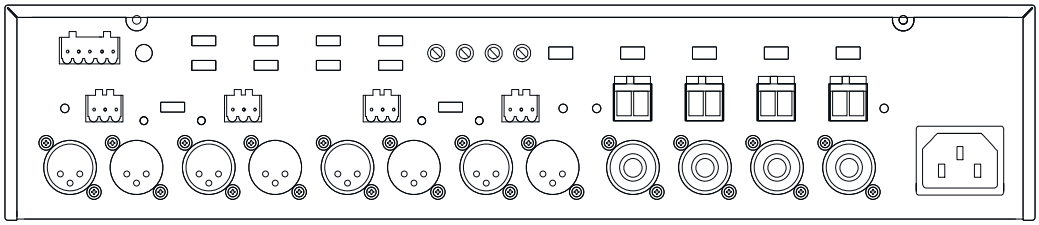
INPUTS	Number of inputs: · 4 Lo Z · 1 emergency · 1 mute by contact closure Type of connectors: · Lo Z: XLR and Euroblock (Pitch 5.08, up to 4 mm² cross-section) · Emergency: Euroblock (Pitch 5.08, up to 4 mm² cross-section) · Mute: Euroblock (Pitch 5.08, up to 4 mm² cross-section) Sensitivity · 775 mV to 5 V
OUTPUTS	Number of Outputs: · 4 Lo Z Connector type: · Lo Z: Speaker and Euroblock (Pitch 7.62, cross-section up to 6 mm²) Output impedance: · Stereo/parallel 8 Ohm and 4 Ohm, bridge 8 Ohm
CONTROLS	Cut-off filter selector: LPF: Bessel 12 dB/oct (2nd order), HPF: Bessel 12 dB/oct (2nd order), Full Range (no filter) Cut-off frequency selector: 40 Hz / 80 Hz / 120 Hz Input gain control per channel (0.775 to 5 V) Output gain control per channel (0 to 5 V) Priority adjustment control for emergency input Operating mode selector: stereo / parallel / bridge 4 / 8 Ohm selector for frequency response optimisation Auto standby: 15 min GND lift earth disconnection ON / OFF switch with LED ring
INDICATORS	Power on (POWER) Standby (STANDBY) Signal (SIGNAL) Output peak (CLIP front and rear panel) Protection (PROTECT)
LIMITERS	Level/power limiter (output limiter)
PROTECTIONS	Soft start (inrush current limiting) Thermal protection Output short-circuit protection Output over-current protection Overload protection Output DC voltage protection (DC)

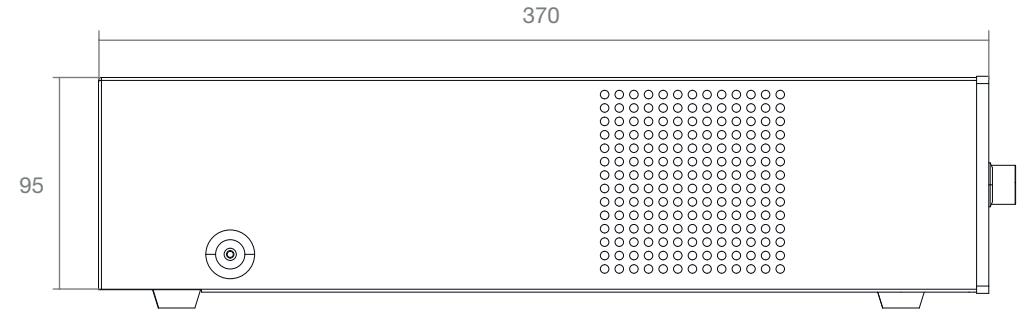
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CONSUMPTION	Idle (@ 230 V) · Power consumption: 72.85 W · Current consumption: 0.31 A · Thermal loss: 264.60 BTU/h 1/8 Power @4Ohm (@ 230 V) · Power consumption: 585 W · Current consumption: 2.50 A · Thermal loss: 860 BTU/h Standby (@ 230 V) · Power consumption: 23.4 W · Current consumption: 0.10 A · Thermal loss: 79.84 BTU/h
TEMPERATURE	Cooling: Forced-air cooling with variable speed Operating temperature: -10 ºC to 40 ºC Storage humidity: < 90% RH
POWER SUPPLY	Nominal: 230 V AC @ 50 / 60 Hz Operating: 220-240 V AC AC connector: IEC 60320-C20 (20 A max) Fuse: T20A/250V 6 x 60 mm
DIMENSIONS	430 x 95 mm x 370 mm depth
WEIGHT	7.98 kg
INCLUDES	Brackets for 19" rack Power cable Connectors

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430




370
95

