

# AMPLIFIER

**HE 1D 900 W MAX**

**D CLASS MONO POWER AMPLIFIER**



## Power Supply

Power supply voltage:	11 ÷ 15 VDC
Idling current:	0,8 A
Idling current when off:	0,04 mA
Consumption @1Ω, 14.4 VDC (Max Musical Power):	23 A

## Amplifier stage

Distorsion - THD (100 Hz @ 4Ω):	0.15 %
Bandwidth (-3 dB):	15 Hz ÷ 250 Hz
S/N Ratio (A weighted @ 1 V):	100 dB
Damping factor (100 Hz @ 4Ω):	150
Pre-In sensitivity:	0,3 ÷ 5 V
Pre-In impedance:	15 kΩ
Speaker-In sensitivity:	1,4 ÷ 24 V
Speaker-In impedance:	470 Ω
Load impedance:	
1 Ch	4 ÷ 1 Ω

## CEA 2006-A RATINGS

RMS Power(4 Ohms, ≤1% THD+N, 14.4Volts): 150W x 1Ch

S/N Ratio (ref. 1 W output): 60 dBA



## OUTPUT POWER (RMS) @ 14.4 VDC, THD 1%:

1 Ch	200W x 1 (4 Ω)
1 Ch	320W x 1 (2 Ω)
1 Ch	450W x 1 (1 Ω)

## Other features

Remote In:	6 ÷ 15 VDC - 1 mA
Remote Out:	12 VDC - 15 mA
ART™:	Automatic Remote Turn-On/Off with Speaker-In
Fuse:	2 x 30 A

- 1 Thermally optimized die-cast heatsink;
- 2 Silver colour shrouds, hide connections and control panel, providing a hi-tech look;
- 3 HE Status logo monitors the status of the amplifier;
- 4 HE Input featuring either Speaker In (OEM radio) or RCA Aftermarket radio) inputs;
- 5 ART™, Automatic Remote Turn-On/Off function, automatically turns on and off the amplifier when the OEM radio turns on and off (available on Speaker In only);
- 6 Full range Pre-out, also available when using Speaker Level In inputs;
- 7 Continuously variable (0–180°) phase control for proper alignment of the subwoofer output with the front woofers;
- 8 Continuously adjustable (15 to 40Hz) 24dB/Oct. subsonic filter;
- 9 Continuously adjustable (0 to +12dB) Bass Boost at 50Hz.
- 10 Real 24dB/Oct. continuously adjustable (40 to 250Hz) Lo-Pass filter;
- 11 Dual Multiple Winding transformer power supply stage, Low-ESR 105°C capacitors, Synchro D-Class 1 Ω stable (450W RMS) output stage based on solid TO247 Power Mosfets.

## Input/Output configuration

Input	Speaker	Pre Out
L&R	Mix L+R	L+R
L	Mix L+R	L
R	Mix L+R	R

## Filter configuration

Config.	AMP	PRE OUT
1		

## Inputs/Outputs

Input	PRE / Speaker
Output	PRE Bypass

## Filters & Controls

**Lo-Pass:** Lo-pass: 40 ÷ 250 Hz @ 24 dB/Oct.

**Subsonic:** Hi-pass: 15 ÷ 40 Hz @ 24 dB/Oct.

**Bass Boost:** 0 ÷ + 12 dB @ 50 Hz

**Output Phase Control (Continuous):** 0 ÷ 180°

## Dimensions

**Max size (mm/inches):**  
266 x 289 x 63,5  
10<sup>7</sup>/<sub>16</sub> x 11<sup>13</sup>/<sub>16</sub> x 2<sup>11</sup>/<sub>16</sub>

**Weight (kg/lb):**  
2,503 / 5,518