



### OHM DSP SERIES HIGH POWER DIGITAL AMPLIFIER

- Accurate and reasonable circuit structure
- Delivers ultra-reliable sound
- Bridge-mode operation
- Original Neutrik XLR\*/Speakon connectors
- Temperature protection; Over current protection; Short circuit protection built-in

EIAJ Test Standard, 1 kHz, 1% THD	2 CHANNEL				4 CHANNEL				
Model	OHM-D2250	OHM-D2300	OHM-D2350	OHM-D2420	OHM-D4100	OHM-D4130	OHM-D4160	OHM-D4200	OHM-D4300
8Ω/Stereo	2*2500W	2*3000W	2*3500W	2*4200W	4*1000W	4*1300W	4*1600W	4*2000W	4*3000W
4Ω/Stereo	2*4800W	2*5100W	2*6500W	2*7800W	4*1700W	4*2400W	4*2600W	4*3400W	4*5000W
2Ω/Stereo	2*6800W	2*7140W	2*7500W	2*8500W	4*2890W	4*3000W	4*3500W	4*4760W	4*6860W

#### Alternating Current Power Supply

Power	PFC Power
Rated power demand	100-240V±10%, 50/60Hz
Operation voltage	90V-270V
Power correction factor cos(φ)	>0.95 @ >500W
Standby	47W and 0.8A
Gain,Sensitivity	32dB,35dB,38dB,41dB
Maximum Output Voltage/Current	185V/85A (370V in the BRIDGE MODE)
Power Consumption	230V (115V in the BRIDGE MODE)
Environment temperature	0°- 45C / 32°-113°F
Cooling system	Tunnel through cooling system
Frequency Response	20Hz - 20kHz (1W@8Ω,+05 dB)
Signal-to-Noise Ratio	>100 dBA (20 Hz- 20 kHz A weighted)
Crosstalk	>66 dB @ 1 kHz
Input Impedance	10 kΩ balanced
Total Harmonic Distortion(THD)	<0.5% from 1 W to full power (Typitcal value<0.05%)
Intermodulation Distortion(IMD)	<0.5% from 1 W to full power (Typitcal value<0.05%)
Damping Factor (8 ohms)	>5000 @ 20-200 Hz
Slew Rate	50V/μs @ 8Ω

#### Front Panel

Indicator LED/per channel	One PCS Green LED: the input signal of XLR ≥ -40dB; Four pieces Green LED : display the output signal(-20dB,-10dB,-5dB,-3dB)of SPEAKON 1 piece dual LED(Yellow and Red): Protective state/Clip stste/Over heat/Over load
Power Switch	Press "I"-on; Press "O"-off
Dust-proof	Two pieces dust-proof cotton, it can take off to clean from the bottom of front pannel

#### Application

Signal in-connection	4 Channel: One balanced XLR(with lock)female per channel; 2 Channel One balanced XLR(with lock)female and one balanced XLR male per channel
Signal out-connection	One SPEAKON per channel connect to loudspeakers
Power cord	Fited to the device, and the CSA(cross sectional area)of the cord is 3 x 2.5mm², and the card is 1.5 meters long
Multiple-Functions Switch	Two Sensitivity Switches. One Mode Switch and one Clip Switch

#### Structure (The size and weight depend on different series and shipping demand)

Dimensions	482 x 44 x 380mm³/482 x 44 x 470 mm³
Net weight	10Kg/12kg
Packing size	580 x 580 x 119mm³/615 x 615 x 119 mm³
Shipping weight	12Kg/14Kg

2 Year Warranty on all Ohmtech Products Effective from Invoice Date to Distributor.  
Pricing is Subject to Change For any questions, contact info@ohmtechpro.com

