

Appendix A-Amplifier Specifications



	EX1000	EX1600	EX2200	EX3400
1kHz, 0.01% THD+N				
8Ω Stereo Power	400W	600W	700W	1000W (<0.03% THD+N)
4Ω Stereo Power	600W	900W	1200W	1800W (<0.03% THD+N)
2Ω Stereo Power	750W	1000W	1400W	2500W (<0.03% THD+N)
8Ω Bridged Mono Power	1200W	1800W	2400W	3600W (<0.03% THD+N)
20Hz-20kHz, 0.1% THD+N				
8Ω Stereo Power	350W	550W	650W	950W
4Ω Stereo Power	500W	800W	1100W	1700W
2Ω Stereo Power	600W	900W	1100W	2400W
8Ω Bridged Mono Power	1000W	1600W	2200W	3400W
Max RMS Output Voltage (each channel)	73V	82V	90V	90V
Max Peak Output Voltage	103V	116V	126V	140V
Frequency Response (+0/-0.3dB, 1W/8Ω)	20Hz-20kHz, ±3dB@13.5kHz	20Hz-20kHz, ±3dB@13.5kHz	20Hz-20kHz, ±3dB@13.5kHz	20Hz-20kHz, ±3dB@150kHz
Power Bandwidth (rated power at 4Ω, 1%THD+N)	20Hz-20kHz, -1.1dB/+0dB	20Hz-20kHz, -1.8dB/+0dB	20Hz-20kHz, -2.3dB/+1.8dB	20Hz-20kHz, -2dB/+2dB
Tour Class Protection	ACL, IGM, short circuit, DC voltage, turn-on/off transient, current inrush			
THD+N rated power, 4Ω/1kHz	<0.01%	<0.01%	<0.01%	<0.03%
SMPTE IMD (rated power, 8Ω, 60Hz & 7kHz)	<0.01%	<0.01%	<0.01%	<0.01%
Damping Factor (10-400Hz at 8Ω)	400:1	700:1	800:1	800:1
Input CMRR (1kHz)	> -60dB	> -60dB	> -60dB	> -70dB
Standard Voltage Gain (rated power @ 8Ω)‡	0.775V	0.775V	0.775V	0.775V
Standard Input Sensitivity (rated power at 8Ω)‡	X68	X86.5	X97.5	X115
Input Impedance (balanced/unbalanced)	>20kΩ / >10kΩ	>20kΩ / >10kΩ	>20kΩ / >10kΩ	>20kΩ / >10kΩ
Hum and Noise ("A" weighted, full power at 4Ω)	-105dB	-105dB	-105dB	-115dB
Crosstalk ("A" weighted, full power at 4Ω)	> -60dB	> -60dB	> -60dB	> -80dB
Class	H	H	H	H
Input Connectors (per channel)	Female XLR (pin 2+, configurable for pin 3+), TRS (tip+)			
Output Connectors (per channel)	5-way binding posts or Speaker connectors (market dependent)			
Filter Storage	68,000µF	80,000µF	140,000µF	144,000µF
Power Supply (factory configured)	100V-240V, 50-60Hz	100V-240V, 50-60Hz	100V-240V, 50-60Hz	100V-240V, 50-60Hz
Idle Current Draw (120V)	1.6A	2.0A	2.8A	3.0A
1/8 Power Curr. Draw (typical music cond., 120V/4Ω)	6.0A	8.6A	10.5A	12.0A
1/3 Power Curr. Draw (cont. music cond., 120V/4Ω)	13.0A	16.0A	23.0A	25.0A
Max Curr. Draw (continuous music cond., 120V/4Ω)	18.0A	21.0A	30.0A	36.0A
Thermal Emissions (1/8 Power, 4Ω)	2630 BTU/hr	3250 BTU/hr	4750 BTU/hr	7125 BTU/hr
Thermal Emissions (1/3 Power, 4Ω)	3713 BTU/hr	4341 BTU/hr	6300 BTU/hr	9450 BTU/hr
Cooling	TWO rear panel variable speed DC fans, filters detachable without tools			
Controls	Front panel: 2 attenuators, magnetic circuit breaker/power switch; Rear panel: signal ground lift & mode switches			
LED Indicators (per channel)	Clip/Limit, Signal, Temp/DC, Active			
Construction	Steel chassis, 16 gauge. Double thickness in rack ear areas.			
Dimensions (Height x Width x Depth to rear rack ears)	3.5"x 19"x 18" 89x 483 x 457mm	3.5"x 19"x 18" 89x 483 x 457mm	5.25"x 19"x 18" 133x 483 x 457mm	5.25"x 19"x 18" 133x 483 x 457mm
Gross Weight	49 lbs. (22.24kg)	52 lbs. (23.60kg)	72 lbs. (32.68kg)	82 lbs. (37.23kg)
Net Weight	44 lbs. (19.97kg)	47 lbs. (21.33kg)	47 lbs. (30.42kg)	77 lbs. (34.96kg)
Warranty	5 years *	5 years *	5 years *	5 years *

* For full power at 4 Ohms. =/ See table below for optional settings. *3-Year Warranty with 2 additional years if Registration Card is sent to T.D. Taichee Audio.

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	EX1000		EX1600		EX2200		EX3400	
Factory Standard	Gain	Sens	Gain	Sens	Gain	Sens	Gain	Sens
Option 1	X40	1.32V	X40	1.66V	X40	1.87V	X40	2.24V
Option 2	X20	2.65V	X20	3.32V	X20	3.74V	X20	4.47V