

POWER AMPLIFIER

PX10/PX8 PX5/PX3

Technical Specifications

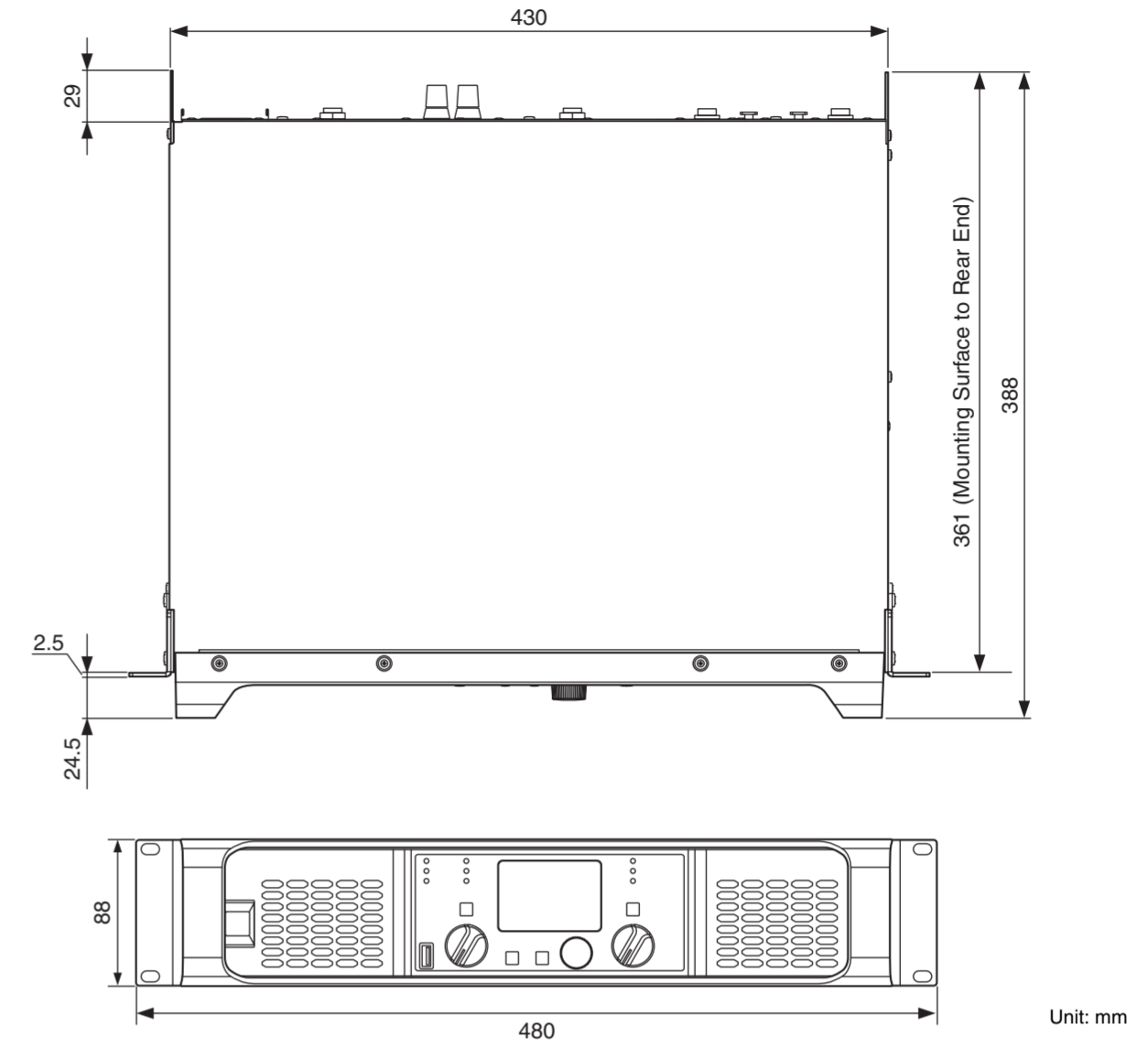
Specifications

		PX10	PX8	PX5	PX3
Output Power		120 V 60 Hz, 220 V~240 V 50 Hz/60 Hz			
1 kHz, non-clip, 20 msec burst, both channels driven	8Ω	1000 W × 2	800 W × 2	500 W × 2	300 W × 2
	4Ω	1200 W × 2	1050 W × 2	800 W × 2	500 W × 2
	2Ω	700 W × 2	600 W × 2	500 W × 2	300 W × 2
1 kHz, non-clip, 20 msec burst	8Ω/Power Boost mode	—	—	800 W × 1	600 W × 1
	4Ω/Power Boost mode	—	—	1400 W × 1	1000 W × 1
Output Power		100 V 50 Hz/60 Hz			
1 kHz, non-clip, 20 msec burst, both channels driven	8Ω	1000 W × 2	800 W × 2	500 W × 2	300 W × 2
	4Ω	1200 W × 2	1050 W × 2	800 W × 2	500 W × 2
	2Ω	700 W × 2	600 W × 2	500 W × 2	300 W × 2
1 kHz, non-clip, 20 msec burst	8Ω/Power Boost mode	—	—	800 W × 1	600 W × 1
	4Ω/Power Boost mode	—	—	1200 W × 1	1000 W × 1
Amplifier Type (Output Circuitry)		Class D, balanced output circuit (BTL)			
THD+N	1 kHz, 10 W	0.1 %			
	1 kHz, half power	0.3 %			
Frequency Response	1 W, 8Ω, 20 Hz to 20 kHz	±1.0 dB			
Crosstalk	Half power, 8Ω, 1 kHz, vol. max., input 150Ω shunt	≤ -60 dB			
S/N Ratio	A-weighted, 8Ω, gain setting = +14 dBu	101 dB	101 dB	100 dB	100 dB
Voltage Gain/Sensitivity					
8Ω, Volume max	Gain setting: 32 dB	32.0 dB/+9.3 dBu	32.0 dB/+8.3 dBu	32.0 dB/+6.3 dBu	32.0 dB/+4.1 dBu
	Gain setting: 26 dB	26.0 dB/+15.3 dBu	26.0 dB/+14.3 dBu	26.0 dB/+12.3 dBu	26.0 dB/+10.1 dBu
	Gain setting: +4 dBu	37.3 dB/+4 dBu	36.3 dB/+4 dBu	34.3 dB/+4 dBu	32.1 dB/+4 dBu
	Gain setting: +14 dBu	27.3 dB/+14 dBu	26.3 dB/+14 dBu	24.3 dB/+14 dBu	22.1 dB/+14 dBu
8Ω, Volume max, Power Boost mode	Gain setting: 32 dB	—	—	34.0 dB/+6.3 dBu	35.0 dB/+4.1 dBu
	Gain setting: 26 dB	—	—	28.0 dB/+12.3 dBu	29.0 dB/+10.1 dBu
	Gain setting: +4 dBu	—	—	36.3 dB/+4 dBu	35.1 dB/+4 dBu
	Gain setting: +14 dBu	—	—	26.3 dB/+14 dBu	25.1 dB/+14 dBu
Maximum Input Voltage		+24 dBu			
Input Impedance		20 kΩ (Balanced), 10 kΩ (Unbalanced)			
Signal Processing		Input summing D-CONTOUR: FOH/MAIN, MONITOR, OFF Delay: 0~74msec HPF/LPF: cutoff frequency 20Hz~20kHz with polarity control Speaker processor: 6 band PEQ + limiter + delay			
User Amplifier Preset		8 user amplifier presets			
Factory Speaker Preset		Speaker presets for Yamaha passive speakers			
Connectors	Analog input	XLR-3-31 × 2, 1/4 PHONE(TRS) × 2			
	Speakers	Neutrik speakON NL4 × 2, Binding post × 2 pairs, 1/4" PHONE(TS) × 2			
	AC IN	AC inlet × 1 with AC cord clamp			
	USB	USB 2.0 Standard-A Connector (Female) for data save/load (amp settings, speaker preset, log) and firmware update with USB memory			
AC Power Requirement		Depending on area of purchase; 100 V, 50 Hz/60 Hz, 120 V 60 Hz, 220 V~240 V 50 Hz/60 Hz *1			
Power Consumption	1/8 MAX power, 4Ω, pink noise at all channels	310 W	280 W	230 W	160 W
	Idle, 4Ω	60 W	60 W	55 W	55 W
Operating Temperature		0°C to +40°C			
Storage Temperature		-20°C to +60°C			
Dimensions (W × H × D)		480 × 88 × 388 mm (18.90 × 3.46 × 15.28 inch)			
Net Weight		7.4 kg (16.31 lbs)	7.2 kg (15.87 lbs)	6.9 kg (15.21 lbs)	6.9 kg (15.21 lbs)

*1 Device operation has been confirmed within +/- 10% of the rated power supply voltage.

* The contents of this manual apply to the latest specifications as of the printing date. To obtain the latest manual, access the Yamaha website then download the manual file.

Dimensions



Unit: mm

Block Diagram

