

POWER AMPLIFIER

**PX10/PX8**  
**PX5/PX3**

Technical Specifications

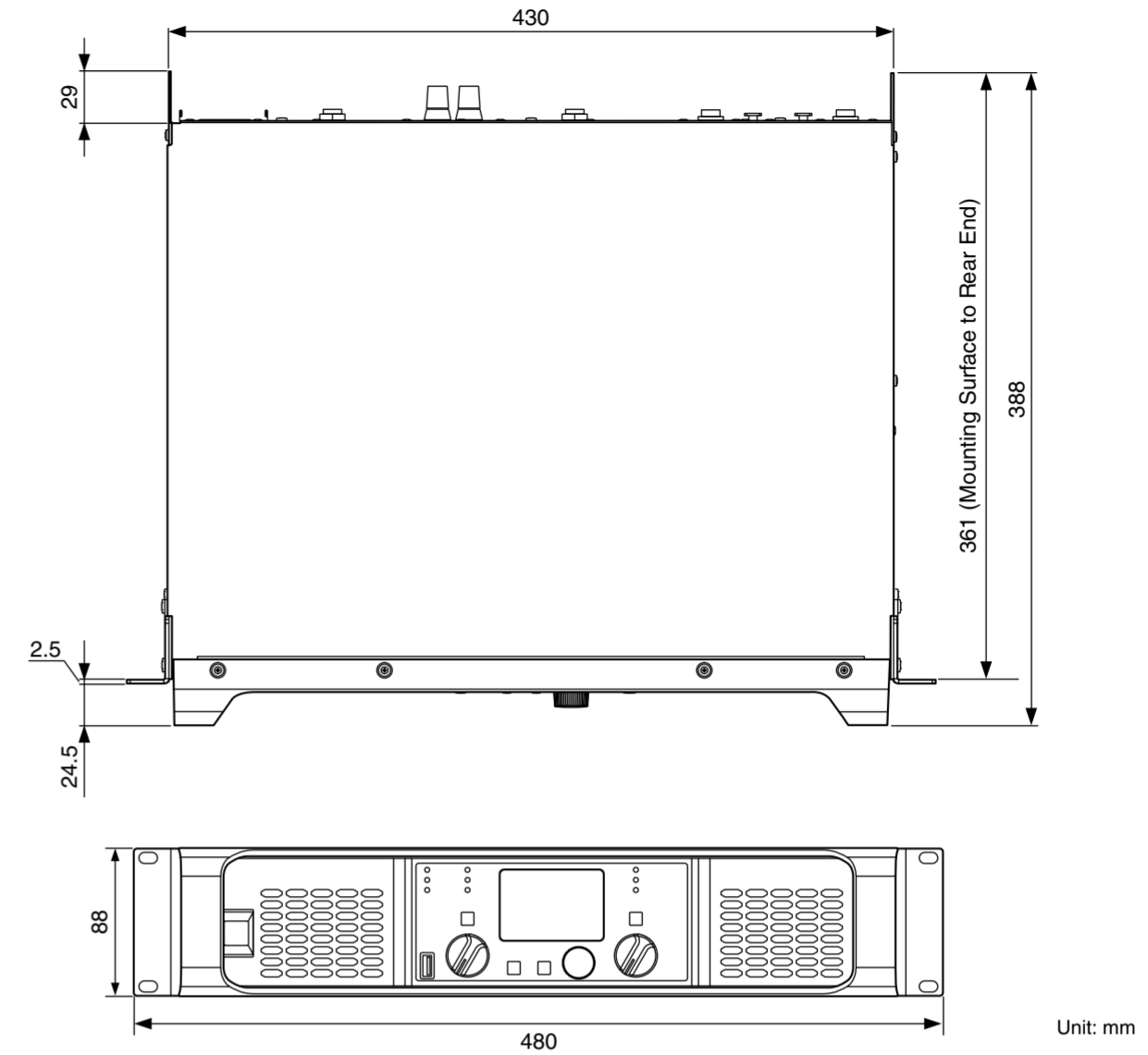
Specifications

	PX10	PX8	PX5	PX3
<b>Output Power</b>	<b>120 V 60 Hz, 220 V~240 V 50 Hz/60 Hz</b>			
1 kHz, non-clip, 20 msec burst, both channels driven	500W x 2	400W x 2	250W x 2	150W x 2
16Ω	660W x 2	530W x 2	330W x 2	200W x 2
12Ω	1000 W x 2	800 W x 2	500 W x 2	300 W x 2
8Ω	1200 W x 2	1050 W x 2	800 W x 2	500 W x 2
4Ω	700 W x 2	600 W x 2	500 W x 2	300 W x 2
2Ω	—	—	400W x 1	300W x 1
1 kHz, non-clip, 20 msec burst	—	—	530W x 1	400W x 1
16Ω/Power Boost Mode	—	—	800 W x 1	600 W x 1
12Ω/Power Boost Mode	—	—	1400 W x 1	1000 W x 1
8Ω/Power Boost mode	—	—	—	—
4Ω/Power Boost mode	—	—	—	—
<b>Output Power</b>	<b>100 V 50 Hz/60 Hz</b>			
1 kHz, non-clip, 20 msec burst, both channels driven	500W x 2	400W x 2	250W x 2	150W x 2
16Ω	660W x 2	530W x 2	330W x 2	200W x 2
12Ω	1000 W x 2	800 W x 2	500 W x 2	300 W x 2
8Ω	1200 W x 2	1050 W x 2	800 W x 2	500 W x 2
4Ω	700 W x 2	600 W x 2	500 W x 2	300 W x 2
2Ω	—	—	400W x 1	300W x 1
1 kHz, non-clip, 20 msec burst	—	—	530W x 1	400W x 1
16Ω/Power Boost Mode	—	—	800 W x 1	600 W x 1
12Ω/Power Boost Mode	—	—	1200 W x 1	1000 W x 1
8Ω/Power Boost mode	—	—	—	—
4Ω/Power Boost mode	—	—	—	—
<b>Amplifier Type (Output Circuitry)</b>	Class D, balanced output circuit (BTL)			
<b>THD+N</b>	0.1 %			
1 kHz, 10 W	0.3 %			
1 kHz, half power	±1.0 dB			
<b>Frequency Response</b>	1 W, 8Ω, 20 Hz to 20 kHz			
<b>Crosstalk</b>	Half power, 8Ω, 1 kHz, vol. max., input 150Ω shunt			
<b>S/N Ratio</b>	A-weighted, 8Ω, gain setting = +14 dBu			
<b>Voltage Gain/Sensitivity</b>	101 dB			
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
	Gain setting: 26 dB	26.0 dB/+15.3 dBu	26.0 dB/+14.3 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
	Gain setting: +14 dBu	27.3 dB/+14 dBu	26.3 dB/+14 dBu	24.3 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
<b>Maximum Input Voltage</b>	+24 dBu			
<b>Input Impedance</b>	20 kΩ (Balanced), 10 kΩ (Unbalanced)			
<b>Signal Processing</b>	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			
<b>User Amplifier Preset</b>	8 user amplifier presets			
<b>Factory Speaker Preset</b>	Speaker presets for Yamaha passive speakers			
<b>Connectors</b>	Analog input	XLR-3-31 x 2, 1/4 PHONE(TRS) x 2		
	Speakers	Neutrik speakON NL4 x 2, Binding post x 2 pairs, 1/4" PHONE(TS) x 2		
	AC IN	AC inlet x 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		
<b>AC Power Requirement</b>	Depending on area of purchase; 100 V, 50 Hz/60 Hz, 120 V 60 Hz, 220 V~240 V 50 Hz/60 Hz *1			
<b>Power Consumption</b>	1/8 MAX power, 4Ω, pink noise at all channels	310 W	280 W	230 W
	Idle, 4Ω	60 W	60 W	55 W
<b>Operating Temperature</b>	0°C to +40°C			
<b>Storage Temperature</b>	-20°C to +60°C			
<b>Dimensions (W x H x D)</b>	480 x 88 x 388 mm (18.90 x 3.46 x 15.28 inch)			
<b>Net Weight</b>	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

