

# MA/PA Series

## Power Amplifiers



# MA2030



MA2030 Rear Panel



# PA2030



PA2030 Rear Panel

A smart simple solution for any small scale applications, where providing background music or requiring a microphone.

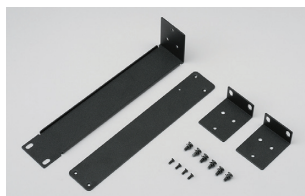
- Easy setup, and a user-friendly interface for effortless operation
- Flexible 3 stereo inputs and 2 microphone inputs (MA2030 only)
- Advanced DSP functions for music playback and microphone use: Priority ducker, Feedback suppressor and Automatic leveler (MA2030 only)
- Switchable for Lo-Z ( $3\Omega/4\Omega$ ) or Hi-Z (70V/100V) speaker systems
- Stereo source EQ with enhancer function (MA2030 only)
- Built-in EQ for optimum Yamaha VXC/VXS series speaker performance
- Service zones can be expanded by adding a PA2030 (MA2030 only)
- Remote volume control and microphone on/off switching via the optional DCP1V4S control panel (MA2030 only)
- Yamaha quality control ensures safe, reliable operation
- Space-saving 1U half-rack size\*

\* Sufficient space must be provided above and below the unit for airflow and cooling.

### OPTIONS

#### RKH1

Dedicated rack-mount kit for MA2030 and PA2030



#### DCP1V4S

- 1 volume & 4 switches equipped wall mount control panel
- 1 DCP1V4S can be connected to 1 MA2030



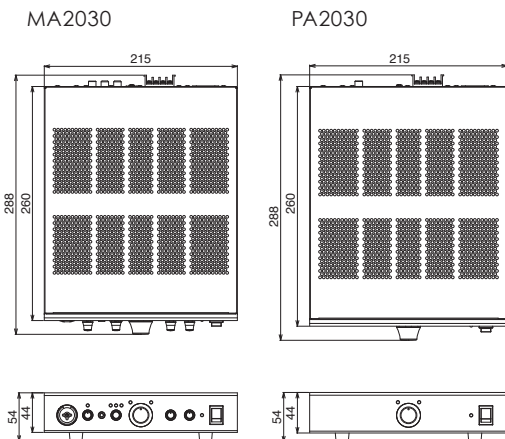
DCP1V4S-US DCP1V4S-EU

## GENERAL SPECIFICATIONS

Model	MA2030		PA2030	
Output Power	1kHz, THD+N = 1%	3Ω/4Ω	30W x 2	
	High impedance	70V/100V	60W x 1	
Amplifier Type (Output Circuitry)	Class D			
Input Level (Stereo Input)	Unbalanced	Sensitivity / Nominal	-10.0 dBV	
		Max before clip	+10.0 dBV	
	Balanced	Sensitivity / Nominal	-	+4.0 dBu
		Max before clip	-	+24.0 dBu
Output Level (Line Out)	Nominal	-10.0 dBV	-	
Power Consumption	1/8max. power, 3Ω, AC 100V, pink noise at all channels			
THD+N	Stereo in (Line in) to Speaker out; 1kHz, 15W, 3Ω/4Ω	≤ 0.1%		
	Stereo in (Line in) to Speaker out; 1kHz, 30W, 70V/100V	≤ 0.2%		
Frequency Response	Stereo in to Line out; 20Hz to 20kHz	0dB, -2.5dB, +1.0 dB		
	Stereo in (Line in) to Speaker out; 50Hz to 20kHz, 1W, 3Ω/4Ω	0dB, -3.0dB, +1.0 dB		
	Stereo in (Line in) to Speaker out; 90Hz to 20kHz, 1W, 70V/100V	0dB, -3.0dB, +1.0dB		
Crosstalk	Stereo in to other Stereo in	≤ -70dB		
Connectors	Mic Input	MIC IN 1	XLR combo jack, balanced	-
		MIC IN 2	3.5mm Euroblock 3-pin, balanced	-
	Stereo Input	ST IN 1	Stereo mini phone (3.5mm), unbalanced	-
		ST IN 2 / ST IN 3	Stereo RCA pin, unbalanced	-
		LINE IN	-	Stereo RCA pin (unbalanced), 3.5mm Euroblock 3-pin x 2 (balanced)
	Speaker Output	Barrier strip x 2 pairs		
Line Out	Stereo RCA pin, unbalanced			
Remote Control (DCP1V4S)	RJ-45			
Protection Circuit	Load Protection	Power switch on/off: Mute the output, Output voltage protection: Compress the output, DC-fault: Power supply shutdown		
	Amplifier Protection	Thermal: Limit the output → Mute → Shutdown (*Restored automatically), Over current: Mute the output (*Restored automatically), Integrated power limit: Compress the output		
	Power Supply Protection	Thermal: Power supply shutdown, Over voltage: Power supply shutdown, Over current: Power supply shutdown (*Restored automatically)		
Cooling	Conventional cooling, bottom to up airflow			
AC Power Requirement	100V, 120V, 230V-240V; 50Hz/60Hz			
Installation Condition, Rack Mount Condition	Rack-mountable when ensuring sufficient ventilation above and below the unit			
Operating Temperature	0°C to +40°C			
Storage Temperature	-20°C to +60°C			
Dimensions (WxHxD, including knobs)	215 x 54 x 288 mm (8.5" x 2.1" x 11.4")			
Weight	1.8kg (4.0lbs)			
Included Accessories	AC power cable, 3.5mm Euroblock plug (3-pin) x 1, Owner's manual, Specification sheet		AC power cable, 3.5mm Euroblock plug (3-pin) x 2, Owner's manual, Specification sheet	
	Options		RKH1 (Rack-mount Accessory)	
	DCP1V4S (Digital Control Panel)		-	

## DIMENSIONS

unit : mm



## BLOCK DIAGRAM

