

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.

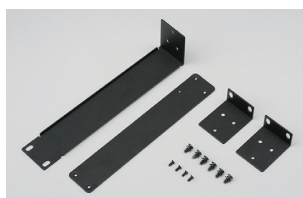
- Easy setup, and a user-friendly interface for effortless operation
- Flexible 3 stereo inputs and 2 microphone inputs (MA2030 only)
- Advanced DSP functions for music playback and microphone use: Priority ducker, Feedback suppressor and Automatic leveler (MA2030 only)
- Switchable for Lo-Z ($3\Omega/4\Omega$) 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

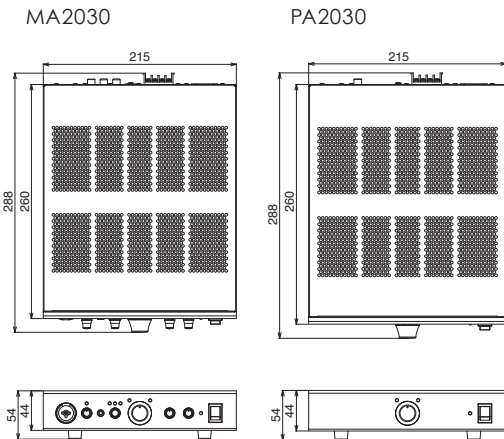
MA/PA Series

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

