

Battery Powered Digital Power Amplifier

DCA-M524 *Mariko*

500Wx1ch, DC24V Operation



Features

- **Super Compact & Lightweight**
 - 500W x 1ch in 2U chassis height
 - 3.9Kg in weight, one third of conventional models
- **Energy Saving Technology for Longer Life of Battery**
 - Up to three times compared to analog amps.
 - Low Power Consumption
Half compared with the conventional at 1/8 rated power
- **High Output Power:500W/8Ω**
 - Rich bass sound reproduction (Original Bi-Phase PWM is advanced)
 - Suitable for sound reinforcement with fast and lively sound
- **Easy mounting & Operation**
 - Mounting Kit MK-M524(for EIA 19" inch Rack; option)
 - Front Panel I/O Connectors
- **Superb Driving Capability**

The Floating Full-Resonance Switching Power Supply delivers a high speed resonance.
- **Dual(Analog & Digital)NFB ensures stable amplification**

and isolation from voltage fluctuation. Also achieved is superb resolution and linearity from minimum to maximum output.
- **Built-in Real Time Current Limiter**

Keeping amplifier in safety operation area for high level input to achieve higher reliability and continuous operation.
- **Green Technology: Low Power Consumption thanks to very high conversion efficiency**

At Rated Output of 500W/8Ω: 80% (Conventional Analog Amplifier:30-40%)

Applications

- | For external use of sound instrument
- | For parade car (as used in a theme park)
- | Sound instrument for emergency
- | For vehicle with broadcasting transmitter
- | Street Oratory (Public Address)
- | Sound instrument in cruiser



MK-M524: EIA 19" Rack Mount for stereo reproduction



(rear)

Specifications

| | |
|---------------------------|---|
| Rated Output Power | 500W x 1ch/8Ω&4Ω |
| Total Harmonic Distortion | 0.5% (250W/8Ω&4Ω/1kHz) |
| Frequency response | 20~20kHz(1W/8Ω, 0± 0.5dB) |
| S/N ratio | 114dB(400Hz-30kHz BPF) |
| Input Sensitivity | +6dBV± 1dB/1 kHz |
| Line Input Terminal | Euro Block(Balanced)x1 |
| Line Output Terminal | Euro Block(Balanced)x1 |
| Input Impedance | 25kΩ ± 5% |
| Power Consumption | 95W/8Ω |
| Overall Dimensions | 213.5(W) x 88(H) x 385.8(D) mm 8-1/4"(W) x 3-7/16"(H) x 15-1/8"(D) |
| Weight | 3.9kg(8.6lb) |



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