

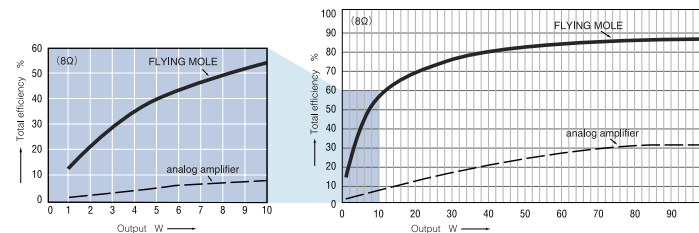
Green technology saves energy

Flying Mole has designed digital amplifiers in response to the concerns of today's environmentally conscious consumers. In producing an earth-friendly digital amplifier with super-low power consumption, Flying Mole is contributing in the same modern energy saving ethos. A total conversion efficiency of 85% makes this possible. In producing an earth-friendly digital amplifier with super-low power consumption, only 1/6 of analog amplifiers, Flying Mole is contributing in the same modern energy saving ethos. The Power consumption by Cascade Series is only 1/6 of the analog amplifiers.

Compact, Light-weight and Cool Running

The new "Bi-Phase Fusion technology" achieves a total power efficiency of 85%; therefore the Cascade Series is very competent at all performance levels. It produces very little wasted energy in the way of heat. This design therefore requires far less heat-sinking, hence its lightweight construction and compact form. This is unachievable using conventional technology. This efficient 'cool' running also adds to astounding reliability, as vital components are never exposed to extreme temperature fluctuations.

Total efficiency characteristics (Amp. section +Power section)



Powerful Theater Sound for Multi-Channels Drive

Cascade Series has the strong feature of "constant maximum output power for simultaneous multi channels drive". Many amplifiers and receivers available in the current market equip so called power limiter for more than 4-channel driven to achieve large output figure in specifications. You don't worry about it. Cascade Series maintains the maximum power output capability at full time for any number of channels.

Comparison of Maximum Output Power



Superb Sound Quality

The Cascade Series is an extremely high resolution device, with neutral yet natural warmth. Some would say it displays the positive attributes of a triode-tube amplifier with the additional dynamic power and grip of solid state designs. Such unparalleled performance ensures the maximum level of enjoyment that can be achieved in a home theater environment.

Other Features

- Hot swappable design
- Super compact: EIA 19in., 3U rack mount size
- Adjustable gain control for each channel

Specification

Item	PM-162d	PM-301d	DPA-M1600
Rated Output	100 Watts x2, 8-ohm	300 Watts x1, 8-ohm	—
Frequency Response	5Hz-50kHz, 8-ohm	5Hz-25kHz, 8-ohm	—
THD	0.03% (at 1kHz, 8-ohm, 50 watts)	0.05% (at 1kHz, 8-ohm, 100watts)	—
S/N ratio	120dB (400Hz to 30kHz BPF)		
Power Consumption	45 Watts / 2ch	61Watts / 1ch	—
Dimensions	BI-type	46.5 (W) x 132.5 (H) x 454.1 (D) mm 1-13/16" (W) x 5-3/16" (H) 17-7/8" (D)	482.6 (W) x 152 (H) x 469.4 (D) mm 19" (W) x 6" (H) x 18-1/2" (D)
	HT-type	46.5 (W) x 132.5 (H) x 471.2 (D) 1-13/16" (W) x 5-3/16" (H) 17-7/8" (D)	
Weight	1.4 kg / 3 lbs. 1 oz.		5.1 kg / 11 lbs. 3 oz.



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Cascade Series

Multi Channel Digital Power Amplifier

Super Compact. Super Efficient. Super High Performance.



Flying Mole Corporation
JAPAN



2004

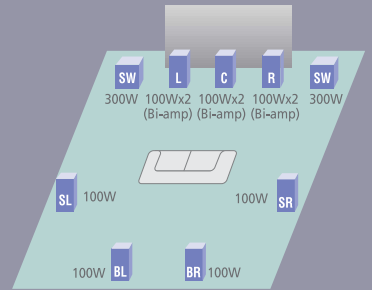


Multi Channel Digital Power Amplifier

Cascade Series



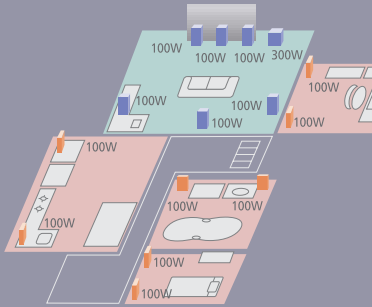
7.2ch Home Theater (Bi-amp)



● DPA-M1600 ● PM-162d×5 ● PM-301d×2 ● BP-8c×1



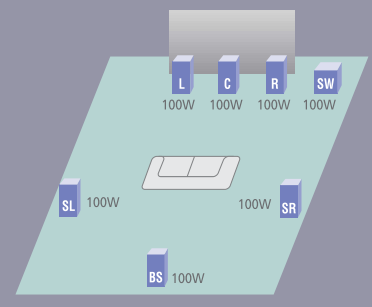
6.1ch Home Theater + Multi Zone



● DPA-M1600 ● PM-162d×7 ● PM-301d×1



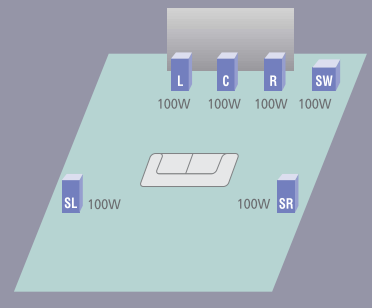
6.1ch Home Theater



● DPA-M1600 ● PM-162d×3 ● PM-301d×1 ● BP-8c×4



5.1ch Home Theater



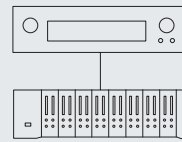
● DPA-M1600 ● PM-162d×3 ● BP-8c×5



The Cascade Series is the perfect amplifier solution for home theater. It is designed to enable you to customize your amplifier power needs for any home theater system, regardless of the number of channels.

You can upgrade the performance of your home theater system by replacing the power section of the AV-Amplifier on your hand with Cascade Series. Or you can combine newly AV-Amplifier with Cascade Series.

This series features modular construction. The number of channels can be adjusted according to need, and you can add channels anytime.



DPA-M1600



PM-162d



PM-301d

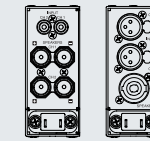
The Cascade Series' foundation is the DPA-M1600 Chassis/Power Distributor.

This accepts up to eight Flying Mole stereo or monaural amplifier modules for a total of 16 channels of amplification. The DPA-M1600 has a master power switch and is rack-mountable.

BP-8c



Blank Plate



HT-type BI-type

PM-162d HT

This stereo amplifier module outputs 100W x2 into 8Ω (0.03%THD, 50Watts at 1kHz). It can be combined with other stereo or monaural amplifier modules in the Cascade Chassis for a home theater system with up to sixteen channels of amplification. For home theater application or as a multi-zone amplifier. It has RCA inputs with dual-binding post outputs.

PM-162d BI

The BI model offers Balanced-Line XLR signal input with SPEAKON speaker output terminals for professional applications.

PM-301d HT

Ideal for home theater systems. The PM-301dHT is a monaural amplifier with 300Watts x1 into 8Ω (0.05%THD, 100Watts at 1kHz), RCA inputs and binding post speaker outputs. Although it has more power than the PM-162d module, it is the same size.

PM-301d BI

This model is designed for professional applications with a Balanced-Line XLR signal input and SPEAKON speaker output terminals. Each module slides into the front of the chassis and automatically connects with an AC socket in the back of the chassis.

Multi Channel Digital Power Amplifier

Cascade Series

