AP-701 Stereo/Mono Power Amplifier, Black

249479

SRP 2 999,00 €

Dual mono power amplifier with fully balanced structure and two custom made Hypex Electronics Ncore power amplifier modules

Colour

PRODUCT DETAILS

Complete dual mono design includes power supply
With two toroidal core power supply transformers and two Ncore modules, the extravagant circuitry has a complete dual mono structure from input to output. A dual mono structure, in which the channels are each completely mono, prevents interference between the left and right signals and achieves outstanding channel separation. This enables rich audio reproduction that provides a larger sound stage and more three dimensional sound.

High output with a practical maximum of 260 W + 260 W (4) / 170 W + 170 W (8)
Hypex Ncore power amplifier modules realize both high efficiency and high audio quality. These two amplifier modules, which were tuned and designed specifically for TEAC, drive the speakers without losing any of the original musical expression, from delicate pianissimo to powerful fortissimo.

Vibration control from flexible structure
The front, side and rear panels are secured with 3mm-thick heavy sheet metal as the primary material. Then, joints that provide suspension are used at the junctures of the front, side, rear and top panels. This enclosure with a flexible structure controls the vibration of the entire device to allow open and vibrant sound reproduction.

Fan-free design achieved with effective ventilation system
Despite the high output of this power amplifier, a fan-free design has been realized with circuit board placement calculated for airflow and precise layout of air inlets and outlets. Heat dispersion is increased by attaching the amplifier modules directly to the bottom panel. Along with the fin structure of the side panels, this reliably abates internal heat.

Extensive design for vibration control
A floating structure keeps the transformers, which can easily cause vibration, detached from the bottom panel. The form of the side panel fins, which provide heat dispersion, have been adjusted to eliminate vibration.

In order to suppress vibrations that affect audio quality thoroughly, the TEAC original pin-point feet that utlize a new mechanism are attached to the bottom panel with appropriate allowance, while a number of screws that fix the circuit boards to the chassis is minimized.

Numerous features for audio quality

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The durability of input circuits is ensured by including slits between each connector. In addition, direct wiring without connectors is used from the input circuits to deliver input signals to the discrete buffer circuits without losing any of their clarity.

Low-profile body creates new potential in living spaces
A reduction in height, as well as the chassis depth, enables more freedom of placement. Whether in the living room or a workplace, you can use them to drive your favorite speakers as you like.

Features at a glance

- Two Ncore power modules made by Hypex Electronics B.V., tuned especially for this model
- High output with a practical maximum of 260 W + 260 W (4)/170 W + 170 W (8)
- Dual mono design throughout entire system
- Clean signal amplification realized with a fully balanced design at the input stage
- Two independent left/right high-capacity toroidal core power supply transformers
- Discrete buffer amplifiers used in the input stage
- Three supporting pinpoint feet that are easy to install (patent numbers 4075477 and 3778108)
- Two linked VU meters which show musical pulse; with four dimmer levels and two sensitivity settings
- Fan-free design to minimize noise
- 12V trigger in and through for power synchronization

Included accessories

- Power cord
- Feet cushions x3
- Owner's manual

Specs

Product Attributes

EAN:	4907034223398
Manufacturer number:	AP-701-B
Product weight:	9.9 kilograms

Dimensions and Weight

Product height:	11.1
Product width:	44.4
Product length:	34.8
Product weight:	9.9
Packsize height:	28.5
Packsize width:	49.8
Packsize length:	64
Packaged weight:	13.67

Audio Inputs

RCA:	1
Input level & impedance RCA:	1.6V & 32k (in STEREO mode) 16k (in BI-AMP mode)
XLR:	1
Input level & impedance XLR:	1.6V 64k (in STEREO mode) 32k (in BI-AMP mode)

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Amplification

Dynamic output (4):	260 + 260
Rated output (4):	230 + 230
THD at rated ouput (4):	1
Dynamic output (8):	170 + 170
Rated output (8):	125 + 125
THD at rated output (8):	1
S/N ratio:	110
Speaker impedance:	4-8
Frequency response:	10-50000
Channels:	2
12 volt trigger:	In & Out

Energy Management

Power consumption:	0.4-210

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