



nu force

MCA20

High power audiophile multi channel amp



User manual
ATMCANZ

FCC Notice - Declaration of Conformity Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Only peripherals complying with the FCC class B limits may be attached to this equipment.

Changes or modifications made to this equipment, not expressly approved by us or parties authorized by us could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

INTRODUCTION

A high-end multi-channel amplifier for uncompromising sound.

The NuForce MCA-20 multi-channel amplifier offers the dedicated enthusiast eight channels of signature NuForce sound. The MCA-20 was developed as an audiophile-grade alternative to the plethora of consumer-grade amps being offered for Home Theater applications. With its top-quality parts and advanced, high-efficiency switching technology, the MCA-20 delivers genuine NuForce performance and value.

The MCA-20 delivers a full 278 Watts into 4-Ohms per channel and owes its pedigree to NuForce's award-winning V3 series of mono amps. In keeping with its stellar relatives, it renders all of your recordings and sound tracks with thundering lows, crystalline highs, and a warm, tube-like midrange - all in perfect balance.

The MCA-20's proprietary feedback circuitry operates as the cornerstone of the MCA-20's remarkable sound. A self-resonant design, the 400 kHz PWM switching frequency constantly adjusts to the input signal, output current demands, and loudspeaker impedance variations, resulting in superb speed and accuracy. The MCA-20's crystalline reproduction of the most explosive dynamics united in harmony with the minutest of sonic details guarantees that you'll always experience the same life-like presentation upon which NuForce's reputation rests.

To be sure, the MCA-20 is destined to find its place as the driving force in a great many music and A/V systems. When it comes to mating with today's modern Home Theater components, the MCA-20's power, transparency and sophistication defy the competition at its price point. Where sound performance and value matter, nothing less will do.

Innovative Features

- High power - 278 Watts per channel x 8
- Modest size and modern construction
- Proprietary high-speed, negative feedback design
- Very high efficiency PWM circuit topology

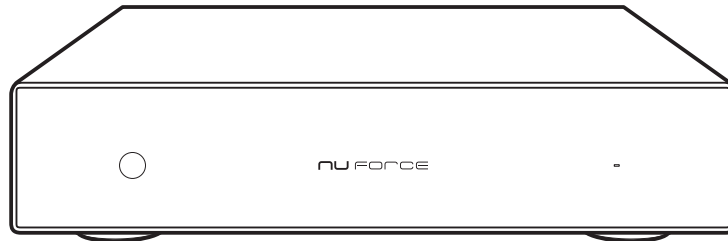
QUICK START GUIDE

Product Overview

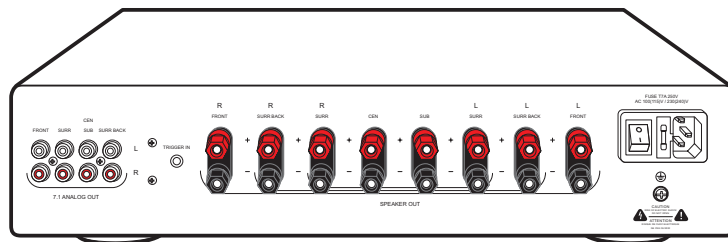
Stealth Panel



Flat Panel



Back Panel



- To power on the unit, please turn on the rear AC switch, then press the power button on the front panel.

Connections

- Input: 8 x RCA
- Output: 8 x Five-way binding posts
- Speaker Output: Connect the left and right speaker cables to the output terminals. In order to avoid shorting out the MCA-20, before turning on the power, please make sure that the polarity of the speaker cables is properly terminated to the loudspeakers and the MCA-20. Please make sure the unit is off before connecting your speakers.

SPECIFICATIONS

Input	8 x RCA
Output	8 x Five-way binding posts
Power Output	278W/Ch. X 8 (4 ohm), 150W/Ch. X 8 (8 ohm)
Peak Power Output	352W/Ch. X 8 (4 ohm), 187W/Ch. X 8 (8 ohm)
Gain	26.5 dB
Input Impedance	20k ohm
Sensitivity	0.89 V to rated power
THD+N	0.01%
Frequency Response	10 Hz - 50kHz
S/N Ratio	> 91 dB
Dimensions (Depth x Width x Height)	15 inches (38.1 cm) x 17 inches (43.2 cm) x 3.94 inches (10 cm)



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