

METROPOLIS

NYC 100i
Stereo Tube Integrated Amplifier




SYNTHESIS
ART IN MUSIC



NYC 100i

STEREO TUBE INTEGRATED AMPLIFIER

SYNTHESIS is proud to introduce a stereo tube amplifier incorporating the exceptional the sonic performance.



The **NYC 100i** provides a minimum of 200 watts (100 wpc), power output from 8, KT-66's in Ultra Linear (UL) - push/pull operation.

The **NYC 100i** features a newly designed custom output transformer designed to achieve highly delicate and precise sound with extraordinary musicality from tubes, but with the authority of the best transistor amplifier.



- Aluminium Knobs

Two 45mm CNC machined control knobs with integral soft light and laser etched indication segments.

- DC Powered tube heater

All tubes, except KT66, have DC stabilised heater circuits to reduce hum noise to a near in-audible minimum.

- Output transformer

The Output transformer uses a double C-core Hi-Grade Iron-Silicon for superb frequency reproduction and bandwidth. With this newly designed custom output transformer unique to the **NYC100i** we are able to achieving highly delicate and precise sound reproduction faithful to the original recording.

- Mechanical chassis construction

The power supply and output transformers are held by an extremely rigid "H" structure that keeps the unit free from unwanted vibrations which further helps reduce unwanted noise to the tubes.

- Remote control

A superb wooden handmade case with soft button design, perfectly matching the aesthetics for the "**Metropolis**" series.

- Feet

Four CNC machined aluminium feet with an insert of natural rubber. The depth and form of these rubber feet is calculated to minimize the vibration of the amplifier in isolation from its surroundings.



- Fan

A 120mm fan provides a speed between 500 to 700 rpm which is controlled via the supplied adapter. This ULN (Ultra-Low-Noise) unit is tailor made for the serious enthusiast who demands super-slow running speeds and the utmost silence of operation.

- Bias control

The factory set fine bias control is microprocessor controlled to maintain the optimum settings. If required this can be adjusted without the use of an external voltmeter by use of an internally fitted display device.

- Dual mono Circuitry

A completely dual mono design minimises the crosstalk across channels. Power transformers use hi-grade iron silicon M0 and separate supplies with hi-grade selected capacitors to produce extremely low ripple levels. The screen grids have a completely separate and stabilised supply for extended signal to noise ratio against external voltage noise and variations.



- Binding posts

Gold plated professional binding posts for a continued oxidation free connection further improve sound refinement.

- Components

Components for the **NYC 100i** have been selected with great care throughout. Only the best available components are considered and all must undergo an exhaustive analysis of their sonic influence prior to final selection.

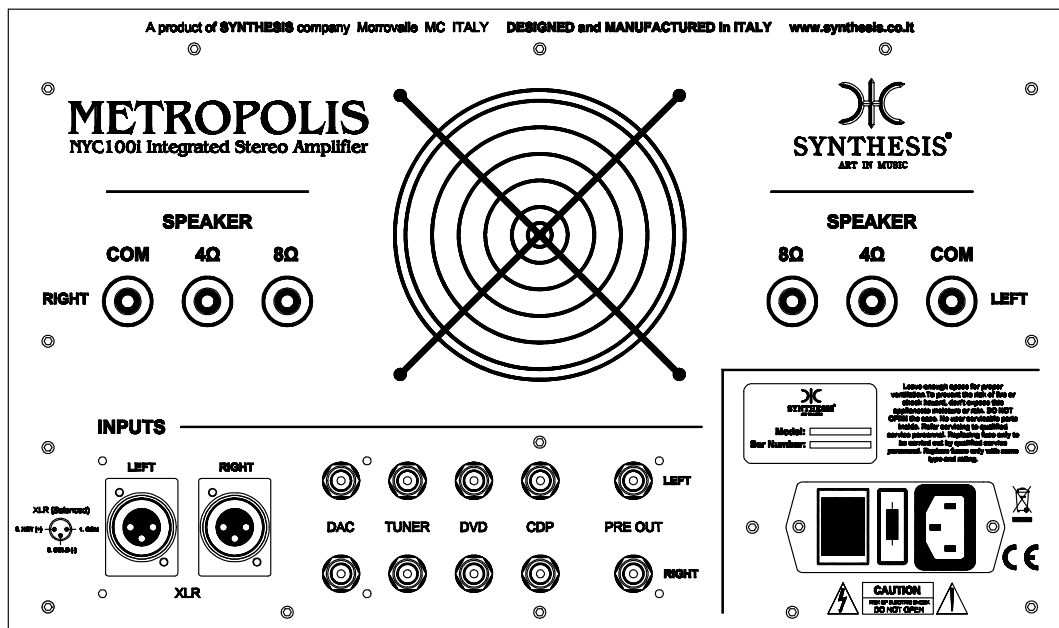
- Selected tubes

All tubes used are selected after 2 stage warm up. A fully computer monitored machine controls the process and at the end of this, selects the perfect tubes which are matched for a perfect balance.



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Technical specifications: NYC 100i

Power stage (1 ch.): 4 X KT66
Driver (1 ch.): 12BH7
Input stage (1 ch.): ECC83/12AX7

Controls:
Front: Power switch, input switch selector, volume.
Rear: RCA gold plated connectors, power connectors, power plug, XLR connectors, fan, Binding post.

Inputs: DAC, TUNER, DVD CDP, XLR.

Outputs: PRE OUT

Frequency response: 20Hz to 20KHz +- 0.5dB

Input impedance: 50Kohm

Input sensitivity: 200mV / 100W

Output impedance: 4 - 8 ohm

Power stage configuration: Ultralinear 43% tap

Power output: 100W RMS into 4/8 ohm each channel AB1 Class

Signal/Noise ratio: >85dB, A weighted

Finish: Aluminium and piano black laquer lateral panel

Power consumption: 300W

Dimensions: (w,d,h) 450x630x260mm

Weight: 50.0 Kg

SYNTHESIS

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