



SYNTHESIS

ART IN MUSIC

*Soprano*  
12W A Class Integrated Stereo Amplifier

# Soprano

12W A Class Integrated stereo tube amplifier

Following the success of the much-celebrated NIMIS, Synthesis took on the challenge of recreating a 12W A class integrated stereo tube amplifier.

Using a new technologies a new business development and Luigi Lorenzon's constant pursuit of perfection, he succeeded in creating an entry level amplifier that is able to satisfy even the most dedicated audiophile.

New model of stereo tube amplifiers with DAC's on board, guaranteeing exceptional sonic performance from any digital source.

Made with the finest materials & advanced technology, this series is a sophisticated blend of research & experience.

Designed without compromise for a rich sound & faithful music reproduction.

The SOPRANO provides a minimum of 12 Watts per channel, power output from a pair of EL84's in Ultra-Linear (UL) - push/pull operation.

The SOPRANO features a newly designed custom output transformer resulting in a rich sound stage but with an authority that belies its 12Wpc.



## FEATURES

### - USB

DAC on board 24bit for a extraordinary listening experience from computer's file.

### - Phono stage

Hi quality Phono stage for MM cartridges.

### -SPDIF inputs (Coax and Optical)

Built around a AKM chip. 24 Bit 192KHz Hi Quality DAC for an extraordinary sound result.

### - Output transformer

The Output transformer uses a Hi-Grade iron-Silicon for superb frequency reproduction & width. With this newly designed custom output transformer unique to the Soprano we are able to achieving a highly delicate & precise sound reproduction faithful to the original recording.

### - Mechanical chassis construction

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

### - Binding posts

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

### - Sockets

Ceramic sockets for a continued oxidization free connection further improve sound refinement.

### - Components

Components for the amplifier have been selected with great care throughout. Only the best available components are considered & 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 & at the end of this, selects the perfect tubes which are then matched for a perfect balance.



- 1 - Power plug
- 2 - Speakers output
- 3 - USB Input
- 4 - Optical Input
- 5 - Coax Input
- 6 - Line Input
- 7 - Phono Input (MM)
- 8 - Ground

### Technical specifications:

Power stage (1 ch.):	Matched pair EL84/6BQ5
Input stage (1 ch.):	Hi Performance audio OP-AMP JRC4580
Driver (1 ch.):	Matched pair MJD340 (Designed for audio amplifier)
Input impedance:	100Kohm
Input sensitivity:	100mV RMS for rated power
Output tap:	6 Ohm
Power stage config.:	Push-Pull Ultra Linear 43% tap
Power output:	12W RMS into 6 ohm A Class
Power Bandwidth:	15Hz to 50KHz - 3,0dB
Frequency response:	20Hz to 20KHz - 0,5dB
Distortion:	1% @ 1KHz max power (12W)
Signal/Noise ratio:	>90dB A weighted
Analogue Inputs:	1 Line, 1 Phono MM (47Kohm) 40dB gain
Digital Inputs:	1 SPDIF coax, 1 SPDIF optical 1 USB "B" type Windows/Mac/iOs/Android compatible
Max Resolution:	24 Bit 192KHz
Remote control:	Volume and Sources control
Power requirements:	230VAC 50Hz - 120VAC 60Hz - 80W maximum
Dimensions: (w,d,h)	310 x 295 x 150mm (12,2" x 11,6" x 5,9")
Weight:	10,0 Kg (22.0 lbs)

Available in Anodized Aluminium Black and Aluminium Silver

## **SYNTHESIS srl**

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