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AUDIA FLIGHT

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THE COMPANY

ESTABLISHED IN '96



Massimiliano Marzi



Andrea Nardini

Founded in 1996 by Massimiliano Marzi and Andrea Nardini, Audia Flight designs and manufactures in Italy the finest high quality home audio components.

All Audia Flight products are entirely hand-crafted at our facility located in the town of Civitavecchia, near the Mediterranean Sea and just over 70 kilometers from Rome.

Beginning with the fundamental belief that a component should not alter the electronic signal, Massimiliano and Andrea spent two years (1994-1996) on research and development that would soon form the basis for their company and all of its subsequent components.

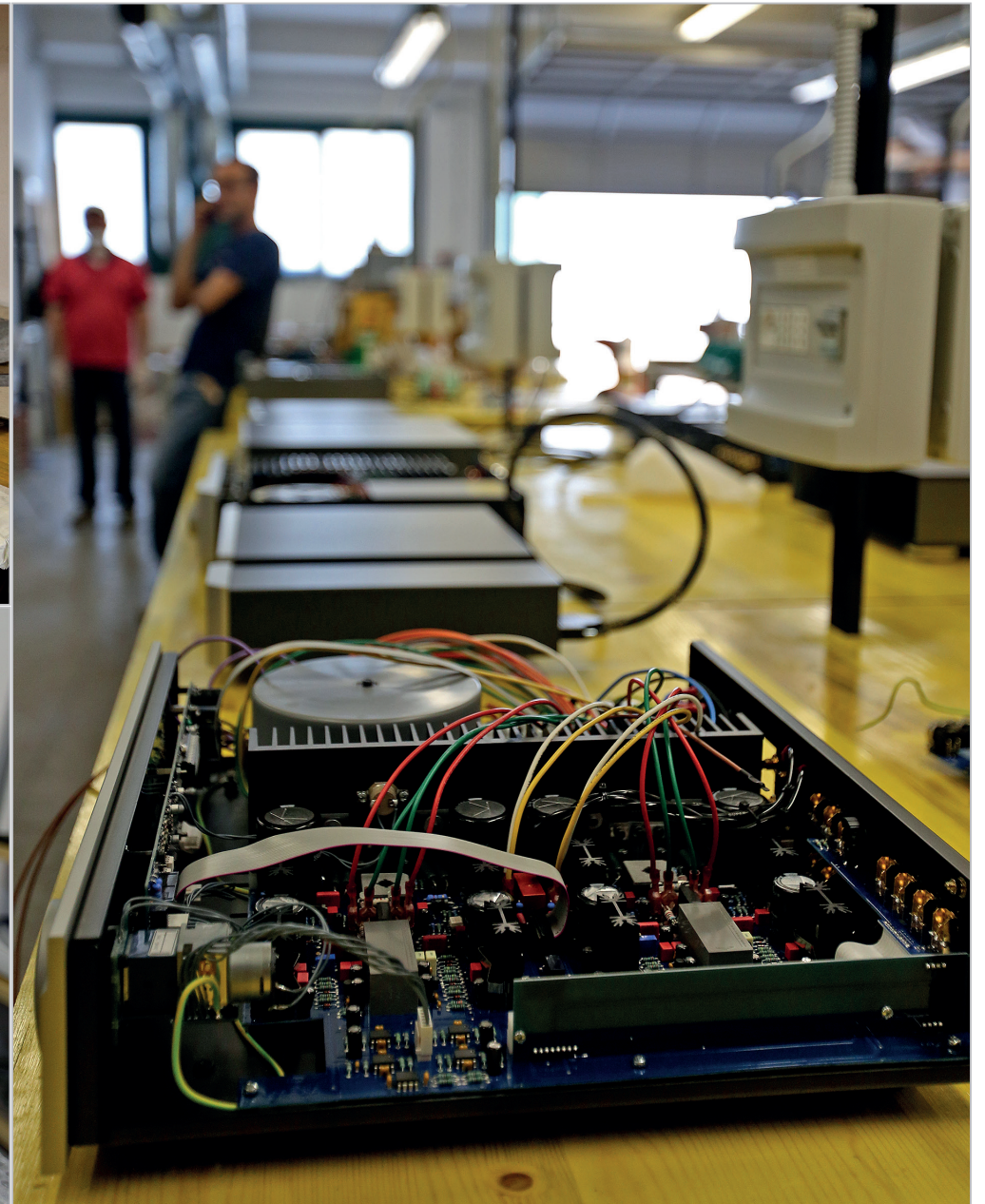
Their extensive research indicated that the traditional voltage feedback approach to circuit design, with its inability to handle high speed transients and complex loads, would tend to alter the electronic signal and thus introduce inaccuracies. So they set about designing a circuit around the lesser known current feedback approach. They soon discovered that their new approach Massimilia-

no Marzi Andrea Nardini to current feedback circuit design would allow for both higher speed responses and better load control, and thus produce a more accurate signal.

And so, by incorporating their Audia Flight current feedback design approach Massimiliano and Andrea were able to finally achieve their goal that a component should not alter the incoming signal and Audia Flight was born!

In 1997 Audia Flight brought to market the first version of our Flight 100 power amplifier. With its unique heatsink design and remarkable performance, the Flight 100 was well-received by the audiophile press and consumers. Soon thereafter Audia Flight introduced our Flight Pre and Flight 50 power amplifier to similar acclaim.

The Flight Pre especially turned heads with its sophisticated multiple section cabinet design. The Flight Pre also featured another Audia Flight hallmark: a constant impedance volume attenuator for accurate frequency response at all volumes.



THE COMPANY



ITALIAN ART AND HANDICRAFT



2001 saw the introduction of Audia Flight's first integrated amplifier, aptly named the Flight One. The Flight One incorporated many of the designs found in our Flight Pre, Flight 50, and Flight 100 amplifiers in order to achieve Audia Flight sonic excellence in a single component. And, with the consumer electronics market trending at the time toward 5.1 multichannel home theaters and audio, the Flight One featured an input specifically for multichannel processors, as well as an ideal three channel amplifier mate called the Flight 3.100.

Beginning with our first product the Audia Flight mission has been very clear: our products shall result from the synergy of sophisticated, original circuit design and Italian style.

Our creations, one could say, are a summary of the Italian culture: art and handicraft.

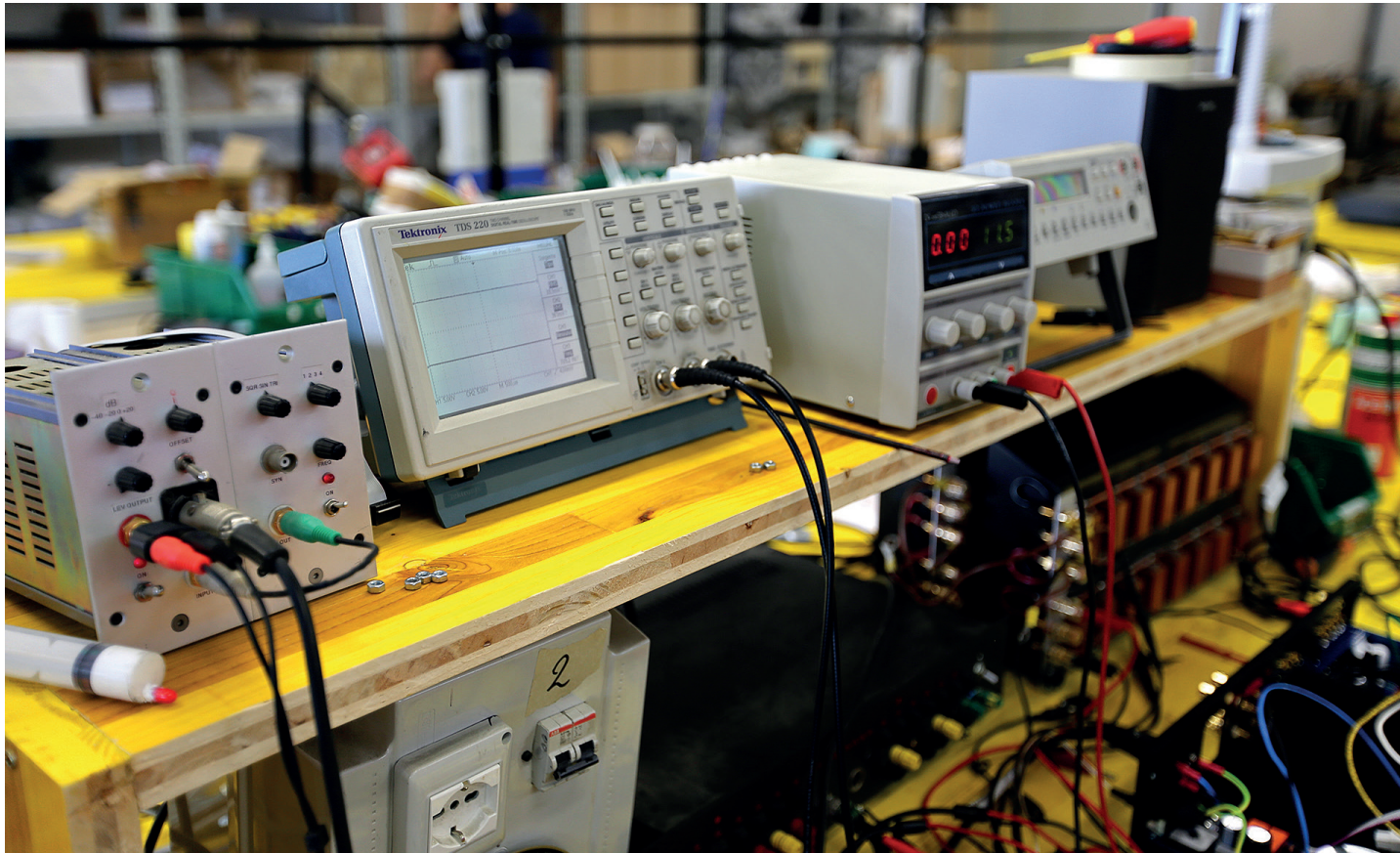
Art, as the way that it conveys emotions and, handicraft, such as the ability to create beautiful objects. The sound, the "soul" of our products, then, is a mirror of our culture not only with its high tech research, but also of our culture and lives in Italy as well.

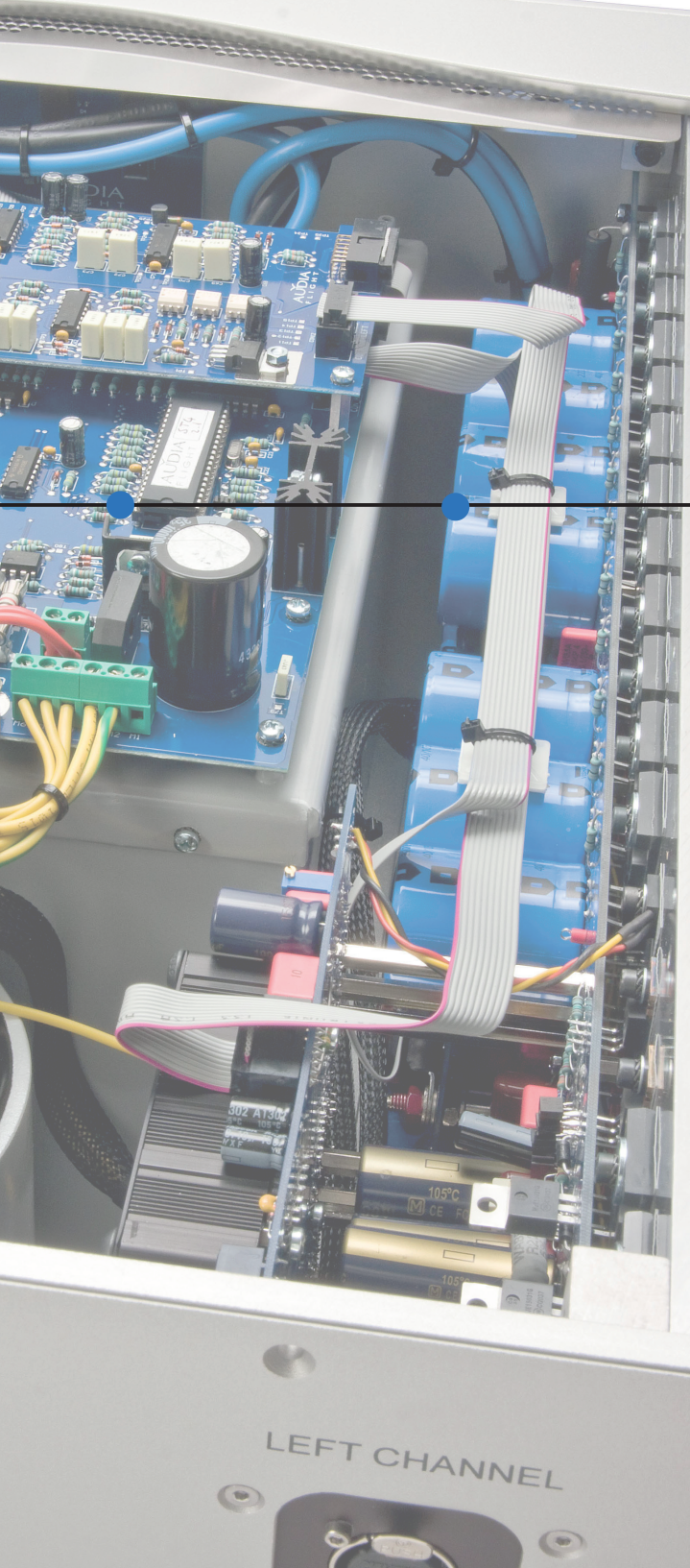
Today the result of this Italian synergy is a family of Audia Flight products that includes our tried and true Classic Series, our Three S Series, our new high value FLS series, and our flagship Strumento Series.

While the sum of all of our experience at Audia Flight goes into each and every product we make, our flagship Strumento represents many years of research and development leading to a perfected circuit design and a perfected casework design.

Italian synergy

Today the result of this Italian synergy is a family of Audia Flight products that includes our tried and true Classic Series, our Three S Series, our new high value FLS series, and our flagship Strumento Series.





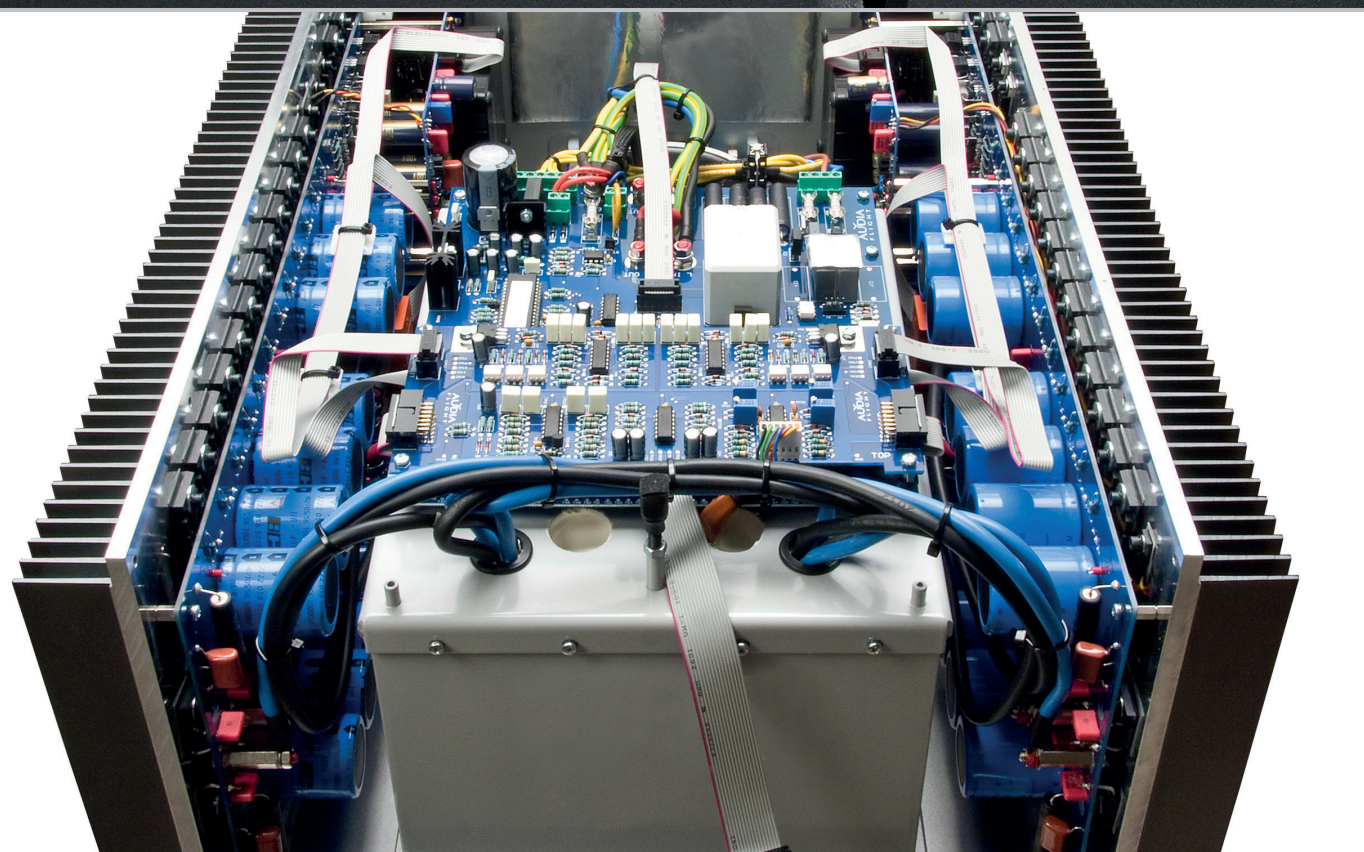
AUDIA FLIGHT STRUMENTO SERIES

THE SUM OF OUR EXPERIENCE

Starting from our knowledge made to thank to our Classic line, after more than three years spent to developing our flagship, tested and listen all components including the chassis parts, we introduced the Strumento series, that represents the sum of our experience.

There are so many details and features that it is impossible to itemise all of them! Starting for example from the front push button of the Strumento n.4 and Strumento n.8 handmade in our factory, the decoupling system of the base to discharge the spurious vibration from the transformers directly to the ground and not to the audio circuit chassis are just an example of our dedication of our Instruments for Music Lovers.

Strumento series is so fine that for two consecutive years, 2016 and 2017, we were honored to receive the Grand Prix Award by Stereo Sound from Japan!



STRUMENTO N°1 MkII

STEREO PREAMPLIFIER

It has long been said, "the heart of any audio system is the preamplifier." The preamplifier's job sounds simple: convey a purity of sound, without coloration or adulteration of original audio signal, with nothing being added but also nothing being lost in translation.

Okay, so it's not that easy. And yet that's where our efforts at Audia Flight have elevated the preamplifier state of the art. The Audia Flight Strumento N°1 mk2 Stereo Preamplifier is the perfect device to transfer a perfect signal to any power amplifier with its precision, accuracy, dynamics and incredible signal speed (bandwidth more than 1MHz). We've used our trained human ears to aide us with circuit refinements over the original Strumento N°1 (such small, but critical changes include the value of resistors and capacitors). This effort has allowed us to more closely achieve our goal of sonic perfection with the Strumento N°1 mk2, much like a luthier uses years of experience, craftsmanship, and keen ear to find the perfect tonal character and emotional response for their instruments.

The Strumento N°1 mk2 chassis begins its life as an ultra high grade, bespoke aluminum cast. After the CNC finishing work is completed, every part is then closely inspected and "mirror polished" by hand.

Some critical areas are further finished by hand, with shot peening and anodization completing the beautiful metal work. The final touch is an elegant silkscreening process.

Within the Strumento N°1 mk2's gorgeous chassis one finds it is powered by four toroidal transformers (two 75VA toroidal audio transformers for the main stages, one 25VA toroidal audio transformer for the control boards, and one 15VA toroidal transformer for the logic board), all enclosed within a ferromagnetic shield and encapsulated by epoxy resin.

The main power supply is extremely low noise, the filter being made by ultra-fast rectifiers and n.40 680 uF 100V extra low impedance capacitors. On the electrolytic capacitors an EMI shield and vibration damping material is used to reduce any physical noises to a minimum. The main power supply is composed of eight, very low noise power supply stages. Each amplification channel with its fully balanced circuitry is on an independent print board. Custom printed circuit boards with an extra high-grade surface copper are used, as ultra pure copper bars are used for ground and power supplies. After the input selection and a buffer, the input signal meets the volume control.

A crucial point in all preamplifiers is represented by the volume control. Often the volume control can introduce a variable impedance element as a function of the attenuation value (that is to say, the position of the potentiometer). The undesirable result is that the frequency response, slew-rate and even the internal impedance couplings among different stages are not fixed and become a function of the attenuation value (volume).

This ultimately reduces the preamplifier's ability to produce an accurate signal for the power amplifiers to further amplify. For this reason, Audia Flight has developed a constant impedance attenuator.

This custom Audia Flight attenuator is composed of discrete components (low-noise metallic film resistors and relays) and provides a gain range as high as 127 dB while providing constant steps of 0.5 dB.

The accurate high-performance result we have obtained with this attenuator likely is well beyond standard attenuators found elsewhere, as our measurements show that the Strumento N°1 mk2 has an out of the ordinary extended fre-

quency response (3Hz / 1MHz -3 dB) and the high value of slew rate (>250V/us throughout the entire gain range (-90 / +10 dB).

This completely new volume control has constant impedance and it is absolutely silent as the volume is raised and lowered.

The Strumento N°1 mk2's gain stage is an exclusive Audia Flight design consisting of an entirely class A current-feed-back circuitry.

It is fed by four stabilized independent stages per each channel: two for the input stages and two for the output stage.

The gain stage is enclosed within an aluminum box and encapsulated by epoxy resin to grant a thermal stabilization for all gain stage's components.

Additionally, a large aluminum plate is used to dissipate thermal energy of the gain stages.

The high-current low-noise output stage is made of Class A biased MOSFET audio devices, and is able to drive any kind of amplifier.

STRUMENTO N°1 MkII

Stereo preamplifier



Technical data

Inputs: 2 balanced XLR and/or unbalanced RCA;

3 balanced XLR only

Outputs: 2 balanced XLR and 1 unbalanced RCA

Gain range: -90 dB / + 10 dB

Gain resolution: 0.5 dB

Frequency response (1 W RMS -3 dB): 1 Hz ÷ 1 MHz

Slew-Rate (@ 8 ohm): > 200 V/μs

THD: < 0,05 %

S/N Ratio: 105 dB

*Input impedance: 10 pF 15 kOhm
balanced or unbalanced*

Output impedance: 5 Ohm

Main voltage AC (50-60 Hz): 100, 110 - 115, 220 - 230, 240 V

Stand-by Power consumption: less than 0,5W

Nominal Power consumption: 90 W

Dimensions: 450x120x450 mm (Wx-HxD)

Weight: 28 Kg

Shipping dimensions: 580x300x580 mm (WxHxD)

Shipping weight: 40 Kg

STRUMENTO N°4 MkII

STEREO POWER AMPLIFIER



A masterpiece in aesthetics and electronics in a single chassis, the Strumento N°4 mk2 Stereo Power Amplifier is surpassed only by a pair of its sibling the Strumento N°8 Mono-block Power Amplifier.

The Strumento N°4 mk2 Stereo Power Amplifier is a close to perfection state of the art two channel power amplifier that exhibits incredible response speeds (bandwidth greater than 1MHz), high output power (up to 900 Watts), and nearly unlimited speaker driving/control capability.

For the mk2 version we've used our experience in designing its sibling the Strumento N°8 Mono-block Power Amplifier as well as our trained human ears to aide us to further refine the original Strumento N°4 circuit (such small, but critical changes include the value of resistors and capacitors).

This effort has allowed us to more closely achieve our goal of sonic perfection with the Strumento N°4 mk2, much like a luthier uses years of experience, craftsmanship, and keen ear to find the perfect tonal character and emotional response for their instruments.

The Strumento N°4 mk2's chassis begins its life as an ultra high grade, bespoke aluminum cast.

After the CNC finishing work is completed, every part is then closely inspected and "mirror polished" by hand. Some critical areas are further finished by hand, with shot peening and anodization completing the beautiful metal work. The final touch is an elegant silk-screening process.

The amplifier's gain stage is an exclusive Audia Flight design consisting of an entirely class A current-feedback circuitry.

To further isolate this critical part of the amplification process from interference and grant thermal stabilization for all of its discrete components, the gain stage is enclosed within an aluminum box and encapsulated in an epoxy resin. Meanwhile, the output stage of the Strumento N°4 mk2 is powered by a massive 3000VA custom made audio transformer, encapsulated by epoxy resin and sealed within two ferromagnetic shields.

Ultra-fast rectifiers instead of fuses are used on the main power supply for the output stage.

With every circuit detail addressed, we then turn to mechanical details to complete this masterpiece! When the amplifier is on a shelf, the power transformers, located on an independent chassis, are physically decoupled from the audio circuit chassis, thus discharging to ground any spurious vibrations from the transformers should they be present.

Within the beautiful casework of the Strumento N°4 mk2 one finds yet more attention to detail and incredible Italian craftsmanship. There you will find a fully balanced circuitry, carefully selected ultra high grade components throughout, a massive power supply built with extra low impedance, ultra high grade capacitors (280.000 uF alone on the main power supply), custom printed boards with an extra high-grade surface copper, and ultra pure copper bars in the output stages. But we have chosen to not stop there with the Strumento N°4 mk2 Stereo Power Amplifier! The Strumento N°4 mk2's power supply is comprised of two super high current power supplies per channel and four stabilized independent stages for each channel: two for the input stages and two for the Audia Flight current feedback stage.

The gain stage's power supply is designed to achieve extremely low noise, the filter is made by ultra-fast rectifiers and extra low impedance capacitors. Two 150VA toroidal audio transformers are used for the main stages and one 15VA toroidal transformer is used for the logic control and protections.

The main power supply is made by n.28 10.000 uF 40V extra low impedance capacitors. No fuses are found in the main power supply for the output stage (we find fuses are like a "resistors" and can negatively impact the sound), instead a current sensor read by microprocessor is employed.



Technical data

Output power per channel Watts RMS @ 8/4/2 Ohm:
250 / 500 / 900 W

Gain: 29 dB

Input sensitivity: 1.41 Volts RMS

Frequency response (1 W RMS -3 dB): 0,3 Hz ÷ 1 MHz

Slew-Rate (@ 8 Ohm): > 200 V/uS

THD: < 0,05 %

S/N Ratio: 110 dB

Input impedance Unbalanced: 7,5 kOhm

Balanced: 7,5 kOhm

Damping factor (@ 8 Ohm): > 1000

Main voltage AC (50-60 Hz): 100, 110 - 115,

220 - 230, 240 V

Stand-by Power consumption: less than 1 W

Nominal Power consumption (no signal): 400 W

Power consumption (260 W RMS @ 8ohm both channels): 1000 W

Dimensions: 450x280x500 mm (WxHxD)

Weight: 95 Kg

Shipping dimensions: 580x410x700 mm (WxHxD)

Shipping weight: 125 Kg

STRUMENTO N°8

MONOBLOCK POWER AMPLIFIER



*Precision
power
velocity.*

After completing the long development process for the original Strumento N°4 Stereo Power Amplifier we next sought to redefine the mono-block power amplifier state of the art. As in its single chassis stereo sibling, the Strumento N°8 is a nearly perfect power amplifier that exhibits incredible response speeds (bandwidth greater than 1MHz), massive output power (up to 2000 Watts), and thanks to its status as a mono-block amplifier unlimited speaker driving/control capability. With the advantage of using a single amplifier for each channel, a pair of Strumento N°8 Mono-block Power Amplifiers are able to surpass the performance of the incredible Strumento N°4 mk2 Stereo Power Amplifier. With a mono-block power amplifier in mind we've used our trained human ears to aide us with circuit refinements (such small, but critical changes include the value of resistors and capacitors). This effort has allowed us to more closely achieve our goal of sonic perfection with the Strumento N°8, much like a luthier uses years of experience.

The Strumento N°8 chassis begins its life as an ultra high grade, bespoke aluminum cast. After the CNC finishing work is completed, every part is then closely inspected and "mirror polished" by hand. Some critical areas are further finished by hand, with shot peening and anodization completing the beautiful metal work. The final touch is an elegant silk-screening process.

Within the beautiful casework of the Strumento N°8 one finds yet more attention to detail and incredible Italian craftsmanship. There you will find a fully balanced circuitry, carefully selected ultra high grade components throughout, a massive power supply built with extra low impedance, ultra high grade capacitors (190.400 uF alone on the main power supply), custom printed boards with an extra highgrade surface copper, and ultra pure copper bars in the output stages. But we have

chosen to not stop there with the Strumento N°8 Mono-block Power Amplifier! The Strumento N°8's power supply is comprised of two super high current power supplies for its single channel and four stabilized independent stages: two for the input stages and two for the Audia Flight current feedback stage. The gain stage's power supply is designed to achieve extremely low noise, the filter is made by ultra-fast rectifiers and extra low impedance capacitors. Two 150VA toroidal audio transformers are used for the main stages and one 15VA toroidal transformer is used for the logic control and protections. The main power supply is made by n.28 6.800 uF 63V extra low impedance capacitors. No fuses are found in the main power supply for the output stage (we find fuses are like a "resistors" and can negatively impact the sound), instead a current sensor read by microprocessor is employed.

The amplifier's gain stage is an exclusive Audia Flight design consisting of an entirely class A currentfeedback circuitry.

To further isolate this critical part of the amplification process from interference and grant thermal stabilization for all of its discrete components, the gain stage is enclosed within an aluminum box and encapsulated in an epoxy resin. Meanwhile, the output stage of the Strumento N°8 is powered by a massive 3000VA custom made audio transformer, encapsulated by epoxy resin and sealed within two ferromagnetic shields.

Ultra-fast rectifiers instead of fuses are used on the main power supply for the output stage. With every circuit detail addressed, we then turn to mechanical details to complete this masterpiece! When the amplifier is on a shelf, the power transformers, located on an independent chassis, are physically decoupled from the audio circuit chassis, thus discharging to ground any spurious vibrations from the transformers should they be present.

**Technical data**

Output power per channel Watts RMS @ 8/4/2 Ohm:
500 / 1000 / 2000 W

Gain: 29 dB

Input sensitivity: 1.41 Volts RMS

Frequency response (1 W RMS -3 dB): 0,3 Hz ÷ 1 MHz

Slew-Rate (@ 8 Ohm): > 200 V/uS

THD: < 0,05 %

S/N Ratio: 110 dB

Input impedance Unbalanced: 7,5 kOhm

Balanced: 7,5 kOhm

Damping factor (@ 8 Ohm): > 1000

Main voltage AC (50-60 Hz): 100, 110 - 115,

220 - 230, 240 V

Stand-by Power consumption: less than 1 W

Nominal Power consumption (no signal): 330 W

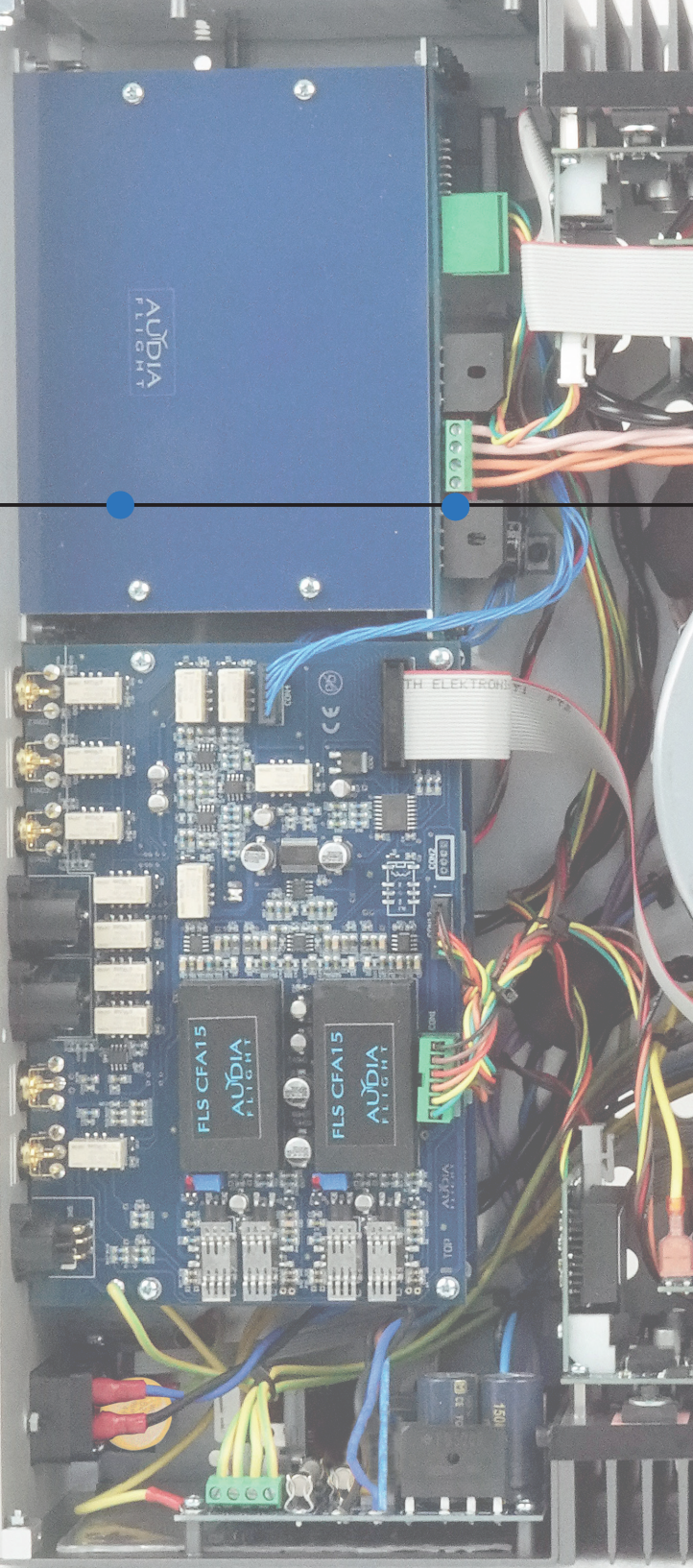
Power consumption (600 W RMS @ 8ohm): 1100 W

Dimensions: 450x280x500 mm (WxHxD)

Weight: 95 Kg

Shipping dimensions: 580x410x700 mm (WxHxD)

Shipping weight: 125 Kg



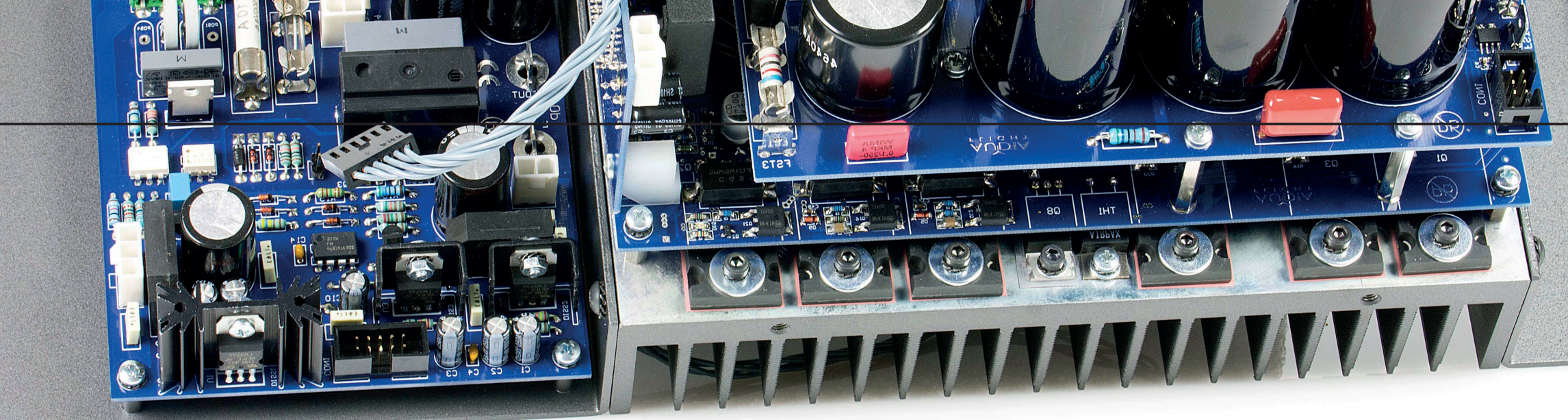
AUDIA FLIGHT FLS SERIES

THE NEWEST LINE

With the FLS Series we are revisiting elements of our tried and true Classic Series, though the FLS Series takes many of its circuit design cues from our reference Strumento Series.

One might say then that the FLS Series represents all we have learned over our 20 plus years with Audia Flight.

Our latest news is the new foot that use a spherical shock absorbers. The new FLS family has been created to bring the music lover closer to the level of our Strumento Series without the Strumento Series inherent cost-no-object approach.



STEREO PREAMPLIFIER

It has long been said, "the heart of any audio system is the preamplifier." The preamplifier's job sounds simple: convey a purity of sound, without coloration or adulteration of original audio signal, with nothing being added but also nothing being lost in translation.

Okay, so it's not that easy. And yet that's where our efforts at Audia Flight have elevated the preamplifier state of the art.

The Audia Flight Strumento N°1 mk2 Stereo Preamplifier is the perfect device to transfer a perfect signal to any power amplifier with its precision, accuracy, dynamics and incredible signal speed (bandwidth more than 1MHz). We've used our trained human ears to aide us with circuit refinements over the original Strumento N°1 (such small, but critical changes include the value of resistors and capacitors). This effort has allowed us to more closely achieve our goal of sonic perfection with the Strumento N°1 mk2, much like a luthier uses years of experience, craftsmanship, and keen ear to find the perfect tonal character and emotional response for their instruments.

The Strumento N°1 mk2 chassis begins its life as an ultra high grade, bespoke aluminum cast. After the CNC finishing work is completed, every part is then closely inspected and "mirror polished" by hand.

Some critical areas are further finished by hand, with shot peening and anodization completing the beautiful metal work. The final touch is an elegant silkscreening process.

Within the Strumento N°1 mk2's gorgeous chassis one finds it is powered by four toroidal transformers (two 75VA toroidal audio transformers for the main stages, one 25VA toroidal audio transformer for the control boards, and one 15VA toroidal transformer for the logic board), all enclosed within a ferromagnetic shield and encapsulated by epoxy resin.

The main power supply is extremely low noise, the filter being made by ultra-fast rectifiers and n.40 680 uF 100V extra low impedance capacitors. On the electrolytic capacitors an EMI shield and vibration damping material is used to reduce any physical noises to a minimum. The main power supply is composed of eight, very low noise power supply stages. Each amplification channel with its fully balanced circuitry is on an independent print board. Custom printed circuit boards with an extra high-grade surface copper are used, as ultra pure copper bars are used for ground and power supplies. After the input selection and a buffer, the input signal meets the volume control.

A crucial point in all preamplifiers is represented by the volume control. Often the volume control can introduce a variable impedance element as a function of the attenuation value (that is to say, the position of the potentiometer). The undesirable result is that the frequency response, slew-rate and even the internal impedance couplings among different stages are not fixed and become a function of the attenuation value (volume).

This ultimately reduces the preamplifier's ability to produce an accurate signal for the power amplifiers to further amplify. For this reason, Audia Flight has developed a constant impedance attenuator.

This custom Audia Flight attenuator is composed of discrete components (low-noise metallic film resistors and relays) and provides a gain range as high as 127 dB while providing constant steps of 0.5 dB.

The accurate high-performance result we have obtained with this attenuator likely is well beyond standard attenuators found elsewhere, as our measurements show that the Strumento N°1 mk2 has an out of the ordinary extended fre-

quency response (3Hz / 1MHz -3 dB) and the high value of slew rate (>250V/us throughout the entire gain range (-90 / +10 dB).

This completely new volume control has constant impedance and it is absolutely silent as the volume is raised and lowered.

The Strumento N°1 mk2's gain stage is an exclusive Audia Flight design consisting of an entirely class A current-feed-back circuitry.

It is fed by four stabilized independent stages per each channel: two for the input stages and two for the output stage.

The gain stage is enclosed within an aluminum box and encapsulated by epoxy resin to grant a thermal stabilization for all gain stage's components.

Additionally, a large aluminum plate is used to dissipate thermal energy of the gain stages.

The high-current low-noise output stage is made of Class A biased MOSFET audio devices, and is able to drive any kind of amplifier.

Optional Cards available

FLS DAC
MC/MM Phono
RCA inputs
XLR inputs

FLS1

Stereo preamplifier



Technical data

Inputs: 2 balanced XLR and/or unbalanced RCA;

3 balanced XLR only

Outputs: 2 balanced XLR and 1 unbalanced RCA

Gain range: -90 dB / +10 dB

Gain resolution: 0.5 dB

Frequency response (1 W RMS -3 dB): 1 Hz ÷ 1 MHz

Slew-Rate (@ 8 ohm): > 200 V/μs

THD: < 0,05 %

S/N Ratio: 105 dB

Input impedance: 10 pF 15 kΩm balanced or unbalanced

Output impedance: 5 Ωm

Main voltage AC (50-60 Hz): 100, 110 - 115, 220 - 230, 240 V

Stand-by Power consumption: less than 0,5W

Nominal Power consumption: 90 W

Dimensions: 450x120x450 mm (Wx-HxD)

Weight: 28 Kg

Shipping dimensions: 580x300x580 mm (WxHxD)

Shipping weight: 40 Kg

FLS4

STEREO POWER AMPLIFIER



Available in silver and black finish

The Audia Flight FLS4 Stereo Power Amplifier is an incredible stereo power amplifier with high response speed (bandwidth more than 0,7MHz), high power (up to 700 Watts), and nearly unlimited speaker driving/ control capability. Like the Strumento Series we've used our trained human ears to aide us in the FLS 4's design process. This effort has allowed us to produce an amplifier that more closely achieves our goal of sonic perfection, much like a luthier uses years of experience, craftsmanship, and keen ear to find the perfect tonal character and emotional response for their instruments.

Like its Strumento brethren the FLS4's chassis begins its life as an ultra high grade, bespoke aluminum cast. After the CNC finishing work is completed, every part is then closely inspected and "mirror polished" by hand. Some critical areas are further finished by hand, with shot peening and anodization completing the beautiful metal work. The final touch is an elegant silk-screening process.

Similarities to the Strumento Series amplifiers can be found within the FLS4 as well. A long list would include a fully balanced circuitry, highly selected components, 32 high grade power devices, and power supply built with low impedance capacitors (288.000 uF alone on the main power suppliers). The FLS4's gain stage is once again the exclusive Audia Flight design consisting of an entirely class A current-feed-back circuitry.

And to further isolate this critical part of the amplification process from interference and grant thermal stabilization for all of

its discrete components, the gain stage is enclosed within an aluminum box and encapsulated in an epoxy resin.

Add to this that the main power supply is made by n.16 18.000 uF 50V low impedance capacitors and is then composed of two super high current power supplies per channel, as well as four stabilized independent stages per each channel: two for the input stages and two for the Audia Flight current feed-back stage! And, of course, as is our philosophy, one 15VA toroidal transformer is used for the logic control and protection circuit in order to completely isolate it from the audio circuit.

With a total then of 12 power supplies, custom printed circuit boards with an extra high-grade surface copper, a 2000VA toroidal audio transformer enclosed within two ferromagnetic shields and encapsulated by epoxy resin powering the output stage, no fuses in the main power supply for the output stage (we find fuses are like a "resistors" and can negatively impact the sound) as a current sensor read by microprocessor is employed, and 200 Watts RMS @ 8 Ohms output power one can see numerous "Strumento-esque" elements have gone into making the FLS 4 Stereo Power Amplifier capable of providing the listener with the best performance and emotional musical experience. So one can see in the FLS4 Stereo Power Amplifier the Audia Flight familial resemblance is hard at work. Much like our reference Strumento N°4 mk2 Stereo Power Amplifier, the FLS4 Stereo Power Amplifier is designed to bring your music to life and your audio system to another level of perfection.



Technical data

Output power per channel Watts RMS @ 8/4/2 Ohm:
200 / 380 / 700 W*

Gain: 29 dB

Input sensitivity: 1.41 Volts RMS

Frequency response (1 W RMS -3 dB): 0,3 Hz ÷ 0,7 MHz

Slew-Rate (@ 8 Ohm): > 160 V/uS

THD: < 0,05 %

S/N Ratio: 110 dB

Input impedance Unbalanced: 7,5 kOhm

Balanced: 7,5 kOhm

Damping factor (@ 8 Ohm): > 650

Main voltage AC (50-60 Hz): 100, 110 - 115, 220 - 230,
240 V

Stand-by Power consumption: less than 1 W

Nominal Power consumption (no signal): 170 W

Power consumption (200 W RMS @ 8 Ohm both chan-
nels): 840 W

Dimensions: 450x180x440 mm (WxHxD)

Weight: 34Kg

Shipping dimensions: 575x280x545 mm (WxHxD)

Shipping weight: 42 Kg

*700 Wrms measured without current limitation added

FLS9

INTEGRATED STEREO AMPLIFIER

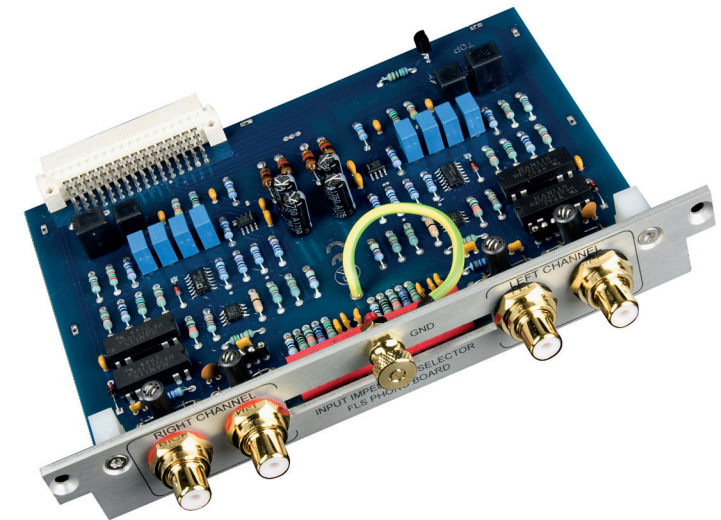


Available in silver and black finish

If you are looking for an integrated amplifier intended to celebrate music, FLS 9 is the answer. It is designed to bring musical details to life, delivering a finely balanced sound with depth and clarity. Designed following the most recent audio knowledge available, FLS 9 has been tuned by ear, testing each component and choosing only those that allowed a real improvement in sound. The end result is an arrangement that produces a much cleaner signal path and lets music breathe. In short, FLS 9 is perfect outcome of the philosophy that animates for 25 years Audia brand, "nothing added, nothing taken away".

Four special composite pads with NBR rubber spheres ensure the best vibration control. An aluminum brushed and anodized remote control is also supplied as standard.

It shares with FLS 1 model same fully balanced preamplifier stage boards. Power channels use 12 highly selected power devices, 8 power supply circuits with extra low impedance and very low noise, high quality capacitors (120.000 uF), special printed boards with extra thick copper layer, 1000 W shielded audio toroidal transformer. The 150 Wrms (8 ohm) output power follows the acclaimed Audia tradition of speed, power, driving capability and control ability. The FLS 9 is also suitable for less efficient, impedance critical (down to 2 ohm) loudspeaker systems. The elegant chassis is full brushed aluminum with engraved logo on top cover, the large display is OLED blue. The remote control is from solid aluminum milled, brushed and anodized. It possible to install two optional cards, plug and play, very easy to install in separate slots externally accessible.



Optional Cards available

FLS DAC
MC/MM Phono
RCA inputs
XLR inputs

FLS9

Integrated stereo amplifier



Technical data

Output power per channel W_{rms} : 150/290/500 (8/4/2 ohm)

Inputs: 3 unbalanced (RCA), 2 balanced (XLR)

Outputs: 1 unbalanced (RCA), 1 balanced (XLR), 1 REC unbalanced (RCA)

Gain range: -90 dB / +10 dB

Gain resolution: 0,5 dB

Frequency response (-3 dB): 0,3 Hz ÷ 500 KHz

THD: < 0,05 %

S/N Ratio: 110 dB

Input impedance: 47 Kohm

Damping factor (on 8 ohm): > 500

Main voltage AC (50-60 Hz): 100, 110-115, 220-230, 240 V

Stand-by power consumption: less than 1 W

Power consumption (150 W RMS @ 8 Ohm both channels): 650 W

Dimensions: 450x150x440 mm (WxHxD)

Weight: 25.5 Kg

Shipping dimensions: 570x280x560 mm (WxHxD)

Shipping weight: 31 Kg

FLS10

FULL BALANCED STEREO AMPLIFIER



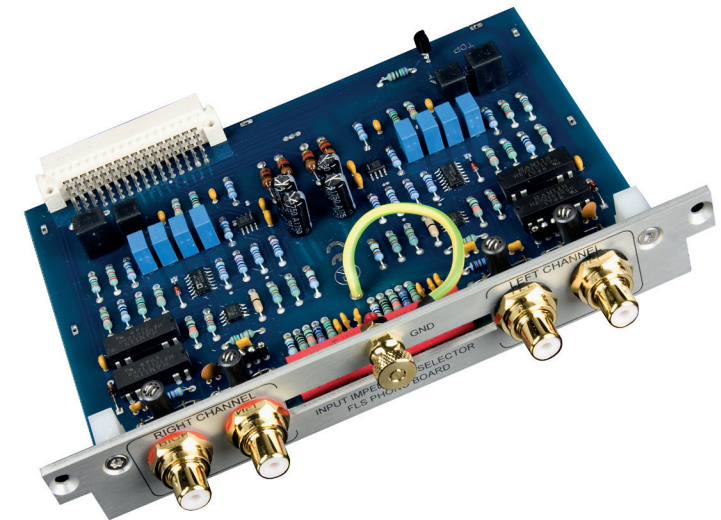
Available in silver and black finish

The FLS10 is the perfect choice for a hi-end integrated amplifier. Heart of FLS10 is the FLS4 power amplifier.

In effect the power amplifier of the FLS10 use same technology of FLS4 power amplifier, where speed, power, driving capability and control ability are elements close to perfection. A fully balanced circuitry, highly selected components, 32 power devices, a power supply built with extra low impedance, high quality capacitors (288.000 μ F only on the main power suppliers), 12 power suppliers, special print boards with an extra high surface copper, 2000VA toroidal, shielded audio transformer, 200Wrms on 8ohm output power are only few of main elements to give you the best and emotional experience in term of reproduction.

It is also suitable for less efficient, impedance critical and low ohm loudspeaker systems down to 2 Ω . The preamplification section is full balance with an high-end volume control in dual mono configuration, XLR and RCA outputs, REC RCA (fix level) output, three RCA inputs, two XLR inputs. All inputs can be activated or deactivated, the gain can be adjusted (+/- 6dB), all name inputs can be renamed.

Full brushed aluminium chassis, engraved "Audia Flight" logo on top cover, one aluminium remote control brushed and anodized, OLED blue display are Hi-END details. There is the possibility to install two optional cards, plug and play, so very easy to install.



Optional Cards available

FLS DAC
MC/MM Phono
RCA inputs
XLR inputs

FLS10

Full balanced stereo amplifier



Technical data

Output power per channel W_{rms} : 200/380/700 (8/4/2 ohm)

Inputs: 3 unbalanced (RCA), 2 balanced (XLR)

Outputs: 1 unbalanced (RCA), 1 balanced (XLR),
1 REC unbalanced (RCA)

Gain range: -90 dB / +10 dB

Gain resolution: 0,5 dB

Frequency response (-3 dB): 0,3 Hz ÷ 500 KHz

THD: < 0,05 %

S/N Ratio: 110 dB

Input impedance: 47 Kohm

Damping factor (on 8 ohm): > 650

Main voltage AC (50-60 Hz): 100, 110-115, 220-230,

240 V

Stand-by power consumption: less than 1 W

Power consumption (200 W RMS @ 8 Ohm both channels): 840 W

Dimensions: 450x180x440 mm (WxHxD)

Weight: 36 Kg

Shipping dimensions: 575x280x545 mm (WxHxD)

Shipping weight: 44 Kg

FLS20

TOP LOADING SACD PLAYER



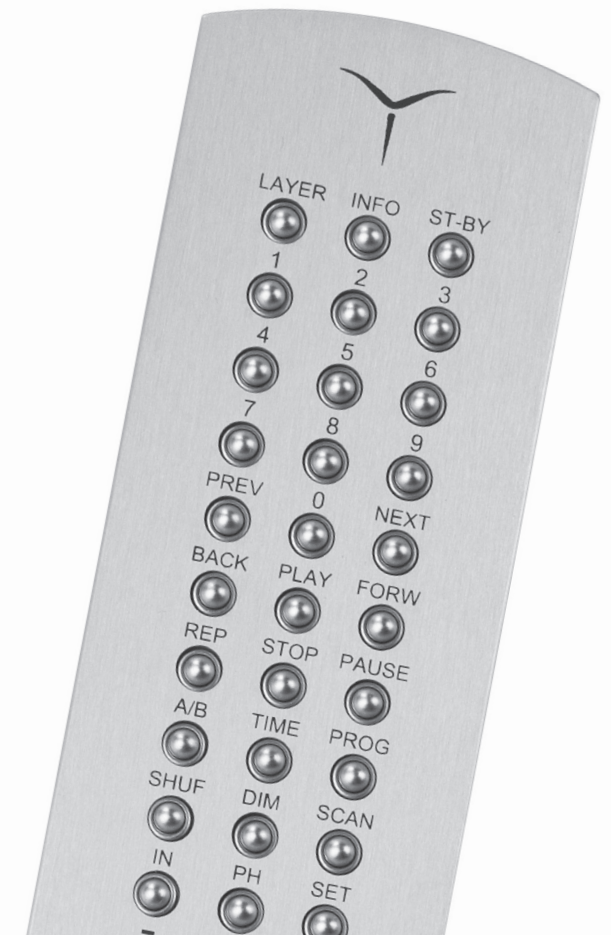
Available in silver and black finish

Over decades, Audia has continued to actively develop CD players, accumulating and refining experience about this audio technology. The new FLS20 SACD achieves the essence of a high-end disc player: ultra-high precision in reading discs and delivering high quality audio signals to the audio chain. For this result, the signal paths are as short as possible and all the circuitry is minimized. After a long and extenuating process of listening sessions and sophisticated technical measures, the disk drive system has totally been designed from scratch in order to virtually eliminate any vibration, both from inside and outside the chassis. Vibrations are the biggest enemy of disk players and sonic top performances cannot be obtained without a total control of drive vibrations. Disc information can be read with impeccable precision and a clean, high-quality signal is fed to the FLS20 SACD's advanced circuitry.

The unit has solidly built casework with a thick aluminum front panel. Conversion section uses 2 x Sabre ES9038PRO 32-Bit Dacs (one x channel, mono mode), plus a Crystek CCHD-950 ultra low noise clock. Digital circuits are powered by 10 ultra low noise power supplies.

The output section is, in Audia Flight style, fully balanced Class A discrete current feedback, so balanced and unbalanced analog output are available. It is powered by 4 low noise discrete components voltage regulators. FLS20 power supply uses 3 completely separate toroidal transformers for the analog stage (80VA), digital stage (85VA) circuits and a 15VA for logic control. Connections flexibility is ensured by 4 built in digital inputs (Toslink, AES/EBU, S/PDIF, USB) and 4 digital outputs (Toslink, AES/EBU, S/PDIF I2S).

In addition to that Audia Flight is offering the choice of an optional steamer card.



**Technical data (tentative)**

Frequency response: 0.5 Hz - 60 KHz \pm 0.1dB
Dynamic Range: 140 dB
THD: + Noise: > - 122 dB
Analogue outputs: balanced and unbalanced

Maximum output voltage: 2.5 Vrms
Output impedance: 200 Ohm
Digital inputs: 4 (Toslink, AES/EBU, S/PDIF, USB)
Digital outputs: 4 (Toslink, AES/EBU, S/PDIF I²S)
Stand-by power consumption: less than 1 W
Power consumption: 50 W

Main voltage AC (50-60 Hz): 100, 110-115, 220-230, 240 V
Dimensions: 450x134x364 mm (WxHxD)
Weight: 25 Kg
Shipping dimensions: 550x250x580 mm (WxHxD)
Shipping weight: 33 Kg

FLS optional boards



The FLS series has a large selection of optional boards that meet all customer needs.

It is possible to install for example the FLS DAC board and the FLS PHONO board. In that case the FLS main unit will have in total 12 inputs, between line, digital and phono inputs!

Or if you need more line inputs, you can use the FLS RCA board or the FLS XRL boards or both!

All easy to install, just plug and play!

FLS optional boards



FLS DAC board

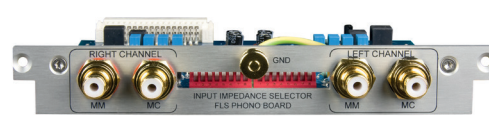
The FLS DAC board is a premium dac with five digital inputs, two opticals, one AES/EBU, one SPDIF and one USB, all with galvanic isolation to prevent any digital noise from the sources.

For each input it is possible to set a specified digital filter (seven different filters for PCM signal, two for DSD).

The dac board use the ESS 9028 Pro DAC converter with eleven voltage regulators.

With the USB input it is possible to play files up to 32 bit 384KHz and DSD512 (using our Windows driver).

The FLS DAC board is easy to install, plug and play. The five digital inputs will be add to the standard inputs of the unit.



FLS MM/MC phono board

The FLS PHONO board is a phono board pre-amplifier with two inputs, MM and MC. Using our technology, this phono preamplifier is incredibly quiet, despite its high gain, 66dB for MC input and 46dB for MM input.

A large input impedance selection is selectable and also it is possible to add a custom impedance for particular input impedance value. The FLS PHONO board is easy to install, plug and play. The two inputs will be add to the standard inputs of the unit.



FLS RCA board

The FLS RCA board is a particular board that add two RCA inputs to your FLS unit.

The FLS RCA board is easy to install, plug and play. The two inputs will be add to the standard inputs of the unit.



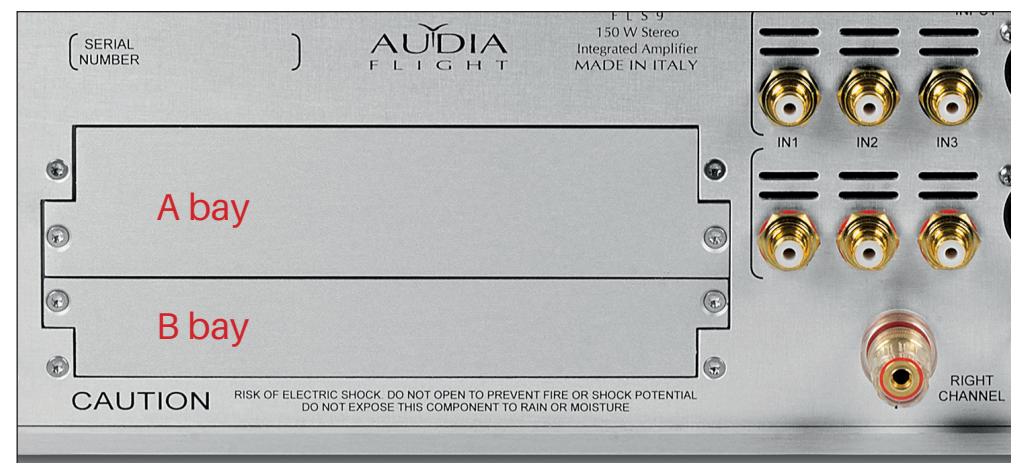
FLS XLR board

The FLS XLR board is a particular board that add two XLR inputs to your FLS unit.

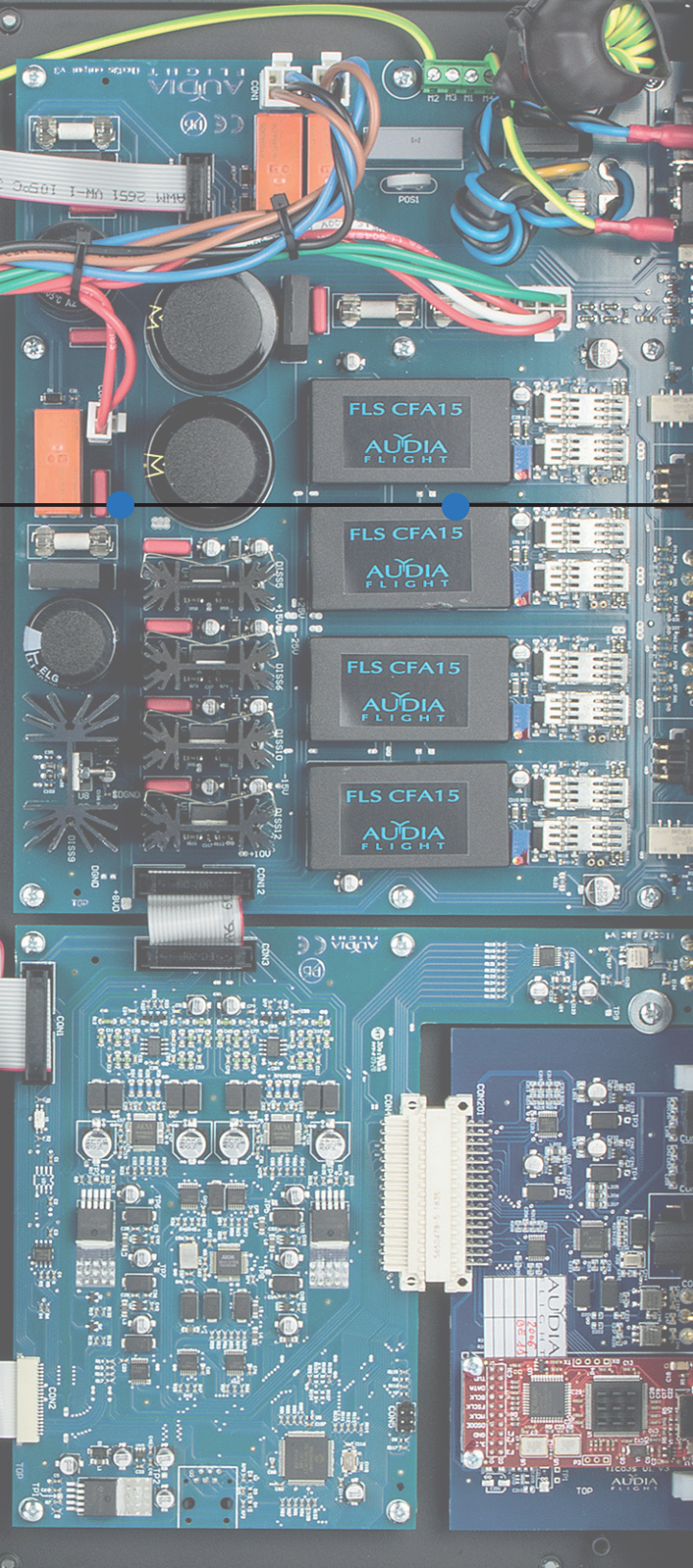
The FLS XLR board is easy to install, plug and play. The two inputs will be add to the standard inputs of the unit.

Optional boards combination

The FLS units have two small removable panels on the back where it is possible to insert the optional boards. Due to shape of each optional board panel, two boards can be mounted together considering these constraints.



- FLS DAC can be mounted only in A bay.
- FLS MC/MM Phono can be mounted only in B bay.
- FLS RCA inputs can be mounted in A and B bay.
- FLS XLR inputs can be mounted in A and B bay.

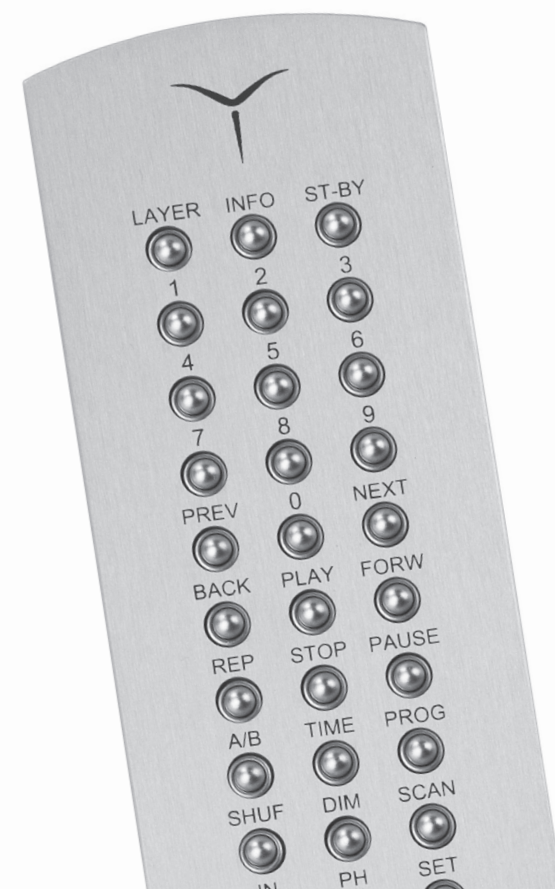
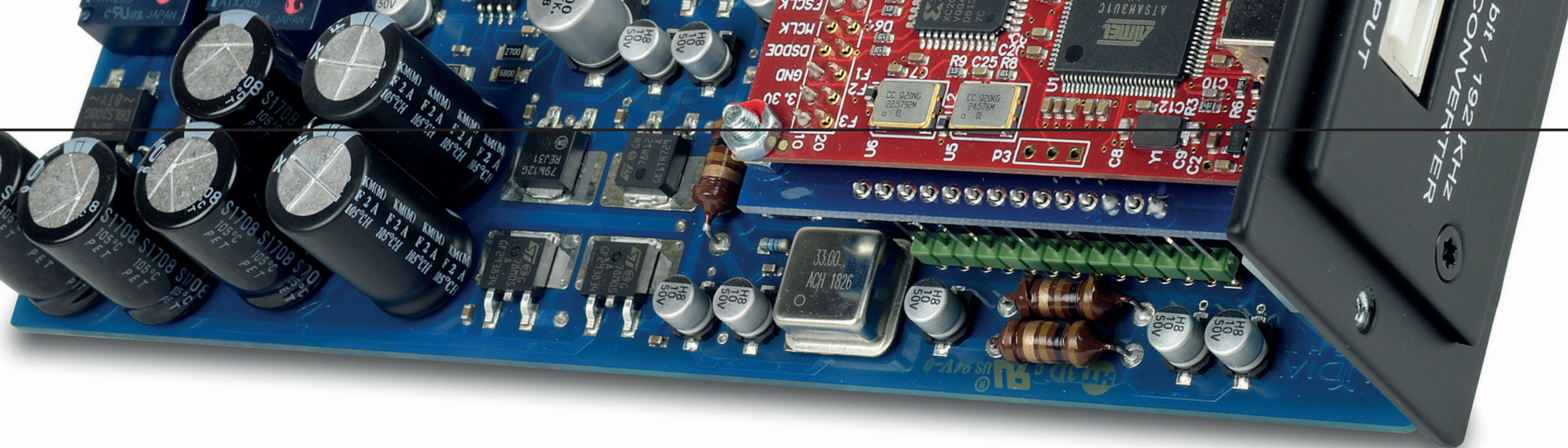


AUDIA FLIGHT THREE S SERIES

OVER 25 YEARS OF EXPERIENCE

Over 25 years of experience designing cutting edge, high performance audio equipment has gone into our FL3S series.

The result is, even by our high standards, incredible multi-faceted components! Using the experience with our Classic and Strumento Series, every detail, however minute, has been carefully thought through for the discriminating audio enthusiast and music lover. And, yet, the FL3S series offers an exceptionally good value and, like all Audia Flight products, it is made entirely in Italy.



FL THREE S

INTEGRATED STEREO AMPLIFIER

Starting with its elegant Italian exterior, the Flight Three S has solidly built casework with a thick aluminum (10 mm) front panel, positive-action metal pushbutton selectors, and a nicely-weighted pleasing to the touch aluminum volume knob, all expertly crafted and finely finished.

In your hand you'll also find a compact, ergonomic remote control hewn from solid aluminum. A large, blue OLED display will keep your eyes informed about the input choice (each input can be named as you choose) and other feature selections as you engage them.

Inside the Flight Three S's sophisticated electronic interior are a series of critical features that make this integrated amplifier perform well above other integrated amplifiers within its category. An high performance ALPS Blue potentiometer provides an accurate volume control at all settings.

Eight power supplies are in charge of all amplification stages up to the driver transistor stage, with 13.200uF total capacitance available for the stabilized power supplies until the driver transistor section. Four high-current power supplies (72.000 uF) are then dedicated solely to the output driver stages. If that's not enough, all inputs feature sealed relays in an inert atmosphere and gold terminations! And, as following our philosophy for best sonic performance, the logic control section features its own toroidal transformer and is connect to the analog section via photo-couplers only.

Driving your speakers are two 100 Watt amplifiers with a large 576VA toroidal audio transformer.

In short the Flight Three S is a dual mono design, with Audia Flight's current feedback circuitry design, a sophisticated preamp section, and deep, well-controlled bass that brings your loudspeakers and your music alive with a powerful, stunning sonic picture.

Interfacing with your Flight Three S is also a pleasure, with input selection, volume control, and mute control (with a memory of the previous level) via front panel or remote control. The user can choose from four unbalanced analog inputs (one optionally phono), one balanced analog input, and even from an optional USB digital input.

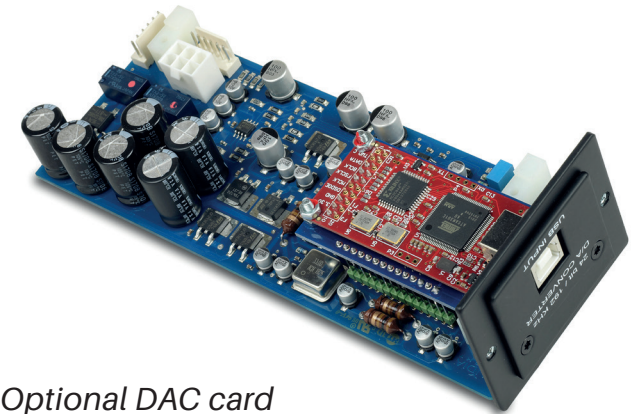
The optional USB 24bit 192KHz DAC board with its high grade, discreet circuitry achieves a remarkable musical experience from your digital files, while the optional pure analog MM/MC phono board (via analog Input 1) will bring your turntable, phono cartridges, and vinyl collection to vibrant life.

Not surprisingly, then, the Flight Three S also has many standard features.

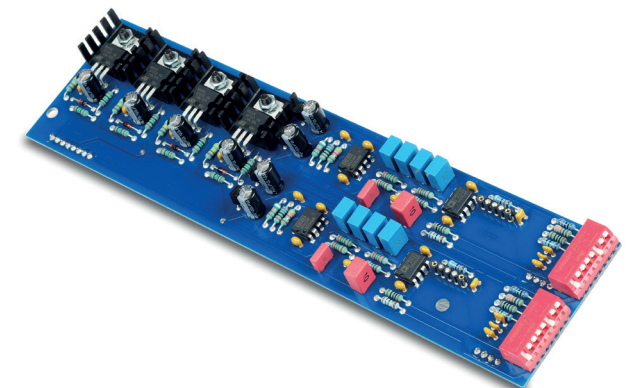
A discreet, high-performance headphone amplifier designed to properly drive your headphones of choice. A bypass (or "direct") feature, selectable by remote control, allows the user to turn the Flight Three S into a power amplifier through any assigned analog input: you may then include the amplifier in a multi-channel system (such as a home theater) as the power amplifier for the main speakers, while still using the same speakers for reference quality two channel listening with stereo sources connected to the Flight Three S.

Finally, rounding out this well thought out, highly flexible design out is a remote trigger input, Monitor input, Record output, and an unbalanced Preamplifier output (with the ability to turn off the Flight Three S's internal amplifiers should you wish).

Overall the Flight Three S Integrated Amplifier is a pleasure to behold, to use, and to listen to with many sources and nearly any loudspeaker.



Optional DAC card



Optional MM/MC phono card

FL THREE S

Integrated stereo amplifier



Technical data

Output power (Watts RMS) @ 8/4 ohm:
100/160 W

Amplifier stage gain: 26 dB

Frequency response (@1 Watt RMS; -3
dB): 1 Hz - 450kHz

Slew Rate (@ 8 Ohm): Slew Rate (@ 8
Ohm) > 80V/μs

THD: < 0,05 %

S/N ratio: > 95 dB

Unbalanced input impedance: 51

kOhm, 150 pF

Balanced input impedance: 30 kOhm

Stand-by power consumption: less than
1 W

Maximum power consumption: 400 W
Dimensions: 450x110x430 mm (Wx-
HxD)

Weight: 16,5 Kg

Shipping dimensions: 550x250x580
mm (WxHxD)

Shipping weight: 18,5 Kg

FL CD THREE S

CD PLAYER



Optional digital inputs card

Audia Flight FL CD Three S is perfect budget cd player for the lovers of really good sound.

Starting with its elegant Italian exterior, the FL CD Three S has solidly built casework with a thick aluminum (10 mm) front panel.

In your hand you'll also find a compact, ergonomic remote control hewn from solid aluminum. A large, blue OLED display will keep your eyes informed about all info you need.

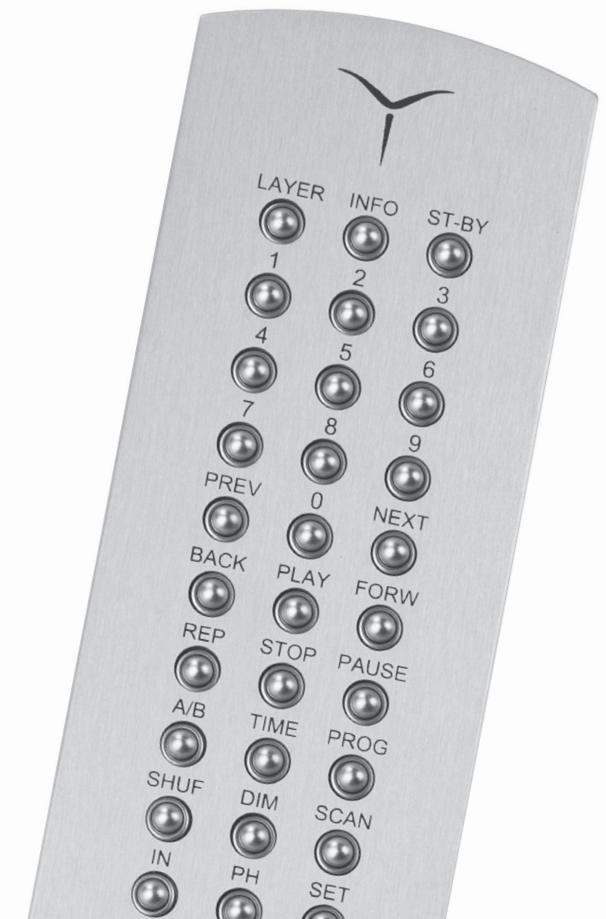
The unit is making use of a CD-Drive which is optimized for single speed playback and not just another computer drive. Also it uses the Sabre ES9026PRO 32-Bit Dacs. In addition to that Audia Flight is offering the choice of no less than seven Digital Filters and one of them is a modernized version of the legendary Audia filter in the original Flight CD1.

Audia Flight is using two completely separate toroidal power supplies for the analog and digital circuitry. Unlike most manufacturers the analog output section of the DACs is fed from the analog power supply as well.

The output section is, in Audia Flight style, A Class discrete current feedback technology and naturally the unit is fully balanced, so balanced and unbalanced analog output are available. It is also available a digital output.

It can also be used as a digital converter using the special optional digital input card. It has five digital inputs (2x Opto, 1x AES/EBU, 1x Coax, 1x USB) is available and can easily be retrofitted at a later point in time.

The USB input allows for 32/384 PCM and DSD 512 and thus makes the unit future proof as a standalone DAC. All digital inputs are insulated to prevent any noise from the digital sources. The analog output can be either fixed or variable.





Technical data

Frequency response: 0.5 Hz ~ 20 KHz \pm 0.1dB

Upsampling: 32 bits, 768 KHz

Dynamic Range: 126 dB

THD: + Noise: > - 113 dB

Balanced and Unbalanced outputs

Maximum output voltage: 2.5 Vrms

Output impedance: 200 Ohm

S/PDIF digital output

Stand-by power consumption: less than 1 W

Power consumption: 50 W

Main voltage AC (50-60 Hz): 100, 110-115,

220-230, 240 V

Dimensions: 450x110x430 mm (WxHxD)

Weight: 11 Kg

Shipping dimensions: 550x250x580 mm (WxHxD)

Shipping weight: 13 Kg



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Notes



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