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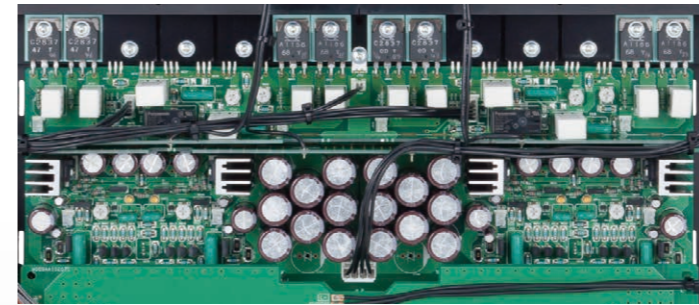


Reviving the Soul of Sound



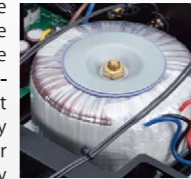
Perfectly balanced, discrete non-NFB circuits

To extract the best from the unique characteristics of SOULNOTE's original perfectly balanced, discrete non-NFB circuits, it is re-examined every minute detail of our amplifiers for possible improvements, like incorporating ground plane star wiring, centralizing local non-NFB regulators, implementing direct coupling routes, optimizing the tuning of the drive current, and more. This contributed to a further increase in dynamism, speed and wider sound range.



High-speed, discrete non-NFB power supply

In addition to a newly developed bifilar wound, large capacity toroidal transformer with independent positive and negative windings, this has been lowered the impedance by connecting multiple high-voltage, small-capacity filter condensers in parallel and incorporating a fast recovery rectifier diode. This has been also completely refined the smallest details in order to boost the power supply, such as making current loops as short as possible by placing the rectifier diode close to the power transformer. This further enhances the sense of S/N and speed.



Non-contact wiring

Every type of connector in the signal system has been eliminated to create a completely non-contact construction. A three-dimensional print board assembly results in lower impedance in the power supply lines and wiring that focuses on star wiring. This improves S/N and removes any concerns about contacts deteriorating over time.

Output transistor pairing

The output transistors feature low Cob, high Ft, and have extreme accuracy. This is selected and paired with a selection of their suitable characteristics. They work together to increase the focus of sound image and deepen three-dimensionality.

Relay-switching balanced attenuator

The volume adjusting in the A1 does not use a conventional rotary or electronic volume control. Instead, it uses a newly developed relay attenuator style balanced configuration. This dramatically increases clarity, and allows the sound image to emerge in three dimensions. It also significantly improves quality at low volume levels without possible emergence of gang errors.



Direct mechanical grounding construction

Spikes connect to the directly under the center of gravity of the transformer to straight release harmful vibrations without interfering with the unit housing itself. This achieves both supremely lively musical expression and a high S/N.



Symmetrical housing with resonance control

The housing's symmetrical construction increases rigidity balance while controlling the sharpness of resonance (Q factor). This eliminates the usual obstruction of sound containment in highly rigid systems and creates the high resolution, lively SOULNOTE sound. The newly developed, aluminum front panel with heavy-weight design also helps control resonance.



[Specifications] ● Maximum output / 80W×2(8ohm) ,120W×2 (4ohm) ● Total harmonic distortion / 0.08% (30W 8ohm) ● Frequency characteristic / SPEAKER(8ohm 1W):3Hz to 300kHz (±1.0dB) ● Input sensitivity/impedance / LINE1(balance):700mV/16kohm , LINE2,3,4 :700mV/8kohm ● S/N ratio / 110dB(IHF A network) ● Power voltage / 230V AC 50Hz ● Power consumption / 190W, 90W(during idling) ● Maximum external dimensions / Main unit:430(W)×109(H)×418(D)mm ● Weight / 10.0kg ● Included accessories / Remote control, Spikes, Power cord

Integrated Amplifier A-1

PLATINUM SILVER / BLACK
SOULNOTE 10-year Anniversary Model

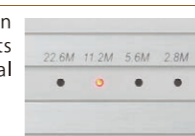


<Included accessories>



Compatible with max. 32-bit/768 kHz PCM and max. 22.6 MHz DSD (DSD512) sound sources

In addition to compatibility with new high-resolution sound sources across a range of PCM and DSD formats from USB inputs, the D-1N also supports coaxial digital inputs (2 systems) and AES/EBU.



Lock range switching functions to extract the best quality from connected equipment

The optimum lock range can be chosen from four levels, depending on the clock accuracy of transmitting devices connected to the D-1N.



A clock with ultra-low jitter crystals

Because it has the largest impact on sound quality, the clock uses ultra-low jitter crystals with phase jitter of less than 1 ps. The layout places it as close to the DAC chip as possible to create the ideal clock-wave pattern. This succeeded in obtaining a touch feeling as if cutting through the air.



Metallic insulators as standard equipment (when under load)

Though plastic insulators are the conventional standard, metallic insulators are adopted since they promote higher sound quality. (common for all models)

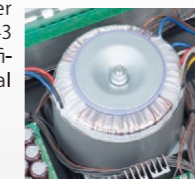
Uses the revolutionary Bulk Pet transfer method

USB-Audio generally transfers data by using the Isochronous transfer method. The D-1N uses Bulk Pet, a new Bulk transfer method developed by Interface Corporation. The Bulk transfer method results in reduced loads for computers and D/A converters, it takes reproduced sound quality to the next dimension.



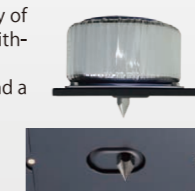
A power transformer with a 260 VA large-scale toroidal transformer

The power transformer uses a 260 VA large-scale toroidal transformer. This constitutes a power amplifier class non-NFB power supply. With an exceptionally high voltage setting of ± 43 V, this discrete non-NFB power supply also used in amplifiers to offer playback that is both detailed in its spatial expression and filled with energy.



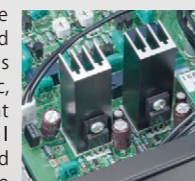
Direct mechanical grounding construction

Spikes connect to the directly under the center of gravity of the transformer to straight release harmful vibrations without interfering with the unit housing itself. This achieves both supremely lively musical expression and a high S/N.



Equipped with eight types of power supplies that use our original high-speed discrete regulators

The power supplies for DAC peripheral circuits are equipped with independent left and right analog- and digital power supply, respectively. The D-1N also contains a power supply for the crystals, one for USB, one for logic, and one for the SPDIF differential receiver. These eight types of power supplies use SOULNOTE's original high-speed discrete regulators. As a result, it has realized to bring out the ability of the high-voltage ES9038PRO to the limit.



[Specifications] ●Input format(USB)/PCM, DSD (DoP v1.1, ASIO)●Input format(Coaxial・AES/EBU)/PCM, DSD(DoP v1.1)●Supported sampling frequency(USB)/Max.768kHz (PCM)/ Max.22.6MHz (DSD)●Supported sampling frequency(Coaxial・AES/EBU)/Max.192kHz (PCM) / Max.2.8MHz (DSD64 DoP v1.1)●PCM quantization bit rate(USB)/16bit,24bit,32bit●PCM quantization bit rate(Coaxial・AES/EBU)/16bit, 24bit●USB profile/USB 2.0, USB Audio 2.0●Digital input/USB (Type B), coaxial x2(SPDF), AES/EBU●Analog output/XLR x1, RCA x1●Analog output level(XLR)/5.6Vrms●Analog output level(RCA)/2.8Vrms●Frequency characteristic/2Hz to 120kHz (+0/-1dB) ●S/N ratio/110dB●Total harmonic distortion/0.003%●Analog filter/Two-dimensional passive ●Power voltage/230V AC 50Hz●Power consumption/40W●Maximum external dimensions/Main unit: 430(W)×109(H)×379(D)mm●Weight/10kg●Included accessories/Spikes,Power cord

D/A Converter D-1N

PLATINUM SILVER / BLACK
SOULNOTE 10-year Anniversary Model



<Included accessories>

NOS mode utilization

In addition to the conventional FIR oversampling mode, the D-1N also includes a new non over sampling mode, which is basically a non negative feedback version adapted to operate in the digital domain. This mode does not generate the pre- and post-echoes observed in FIR oversampling. It is also suppressed extremely low noise levels with analog outputs, with no difference in levels between the two modes.

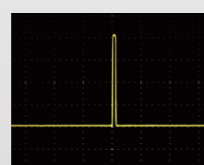
* Impulse output waveform with an FIR oversampling filter (D-1N analog output)

Pre- and post-echoes are artificial "sounds" created by data calculations before and after the data is interpolated. They make waveforms like sine waves appear smoother, but calculation algorithms can affect the sound quality or ambiguity and be added to the time axis.



* Impulse output waveform in non-oversampling mode (D-1N analog output)

This waveform can only be achieved by combining a non-NFB discrete amplifier with superb transient response performance. Because music waveforms are actually a series of impulse waveforms of different heights, the non-oversampling mode eliminates any ambiguity in the time axis information, creating more realistic and natural sound quality and an expansive listening environment to the human ear, which is extremely sensitive to the time axis.*The non-oversampling mode cannot be used with DSD.



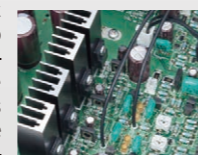
ES9038PRO, ESS' flagship 32-bit DAC, installed independently in the left and right channels

The ES9038PRO, flagship 32-bit DAC produced by ESS, is installed separately in the left and right channels through a monaural mode that achieves the world's highest specs (DNR140 dB).



Analog stage consisting of perfectly balanced discrete non-NFB amplifiers

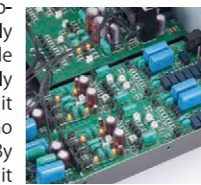
SOULNOTE's original discrete nonnegative feedback amplifier that extends into the MHz region receives up to 120 mA from the powerful DAC current supply and amplifies this power for the output. The combination of the ES9038PRO and the discrete non-NFB amplifier achieves lively music playback bursting with energy that cannot be obtained from standard OP amplifier circuits. By completely eliminating the heavy load and TIM distortion that can be a problem with normal feedback IV amplifiers, the D-1N delivers energetic and soulful music playback.





Perfectly balanced, discrete non-NFB phono equalizer

The biggest advantage of non-NFB amplifiers is the exceptional transient responsiveness they obtain by indefinitely extending the high range. non-NFB amplifiers provide even more benefits with analog sources, which essentially have no range limitations. The E-1 is built upon the circuit layout and components of our legendary ph1.0 Phono Equalizer and is refined the finer points of that model. By including RIAA elements in voltage amplification circuit loads, the E-1 features a unique circuit system that makes gain itself an RIAA characteristic and obtains uniform quality throughout the entire frequency range above 100 kHz, thus eliminating the drawbacks of both CR types that have problems with dynamic ranges at the high end and NF types that change NF volume depending on the range. The CR components use MELF with 1% accuracy and polypropylene film capacitors with 2% accuracy for perfect curve characteristics. The result is a phono equalizer with the soul of the ph1.0 and remarkable augmentation of clarity, information, and sonic realism.



Direct mechanical grounding construction

Spikes connect to the directly under the center of gravity of the transformer to straight release harmful vibrations without interfering with the unit housing itself. This achieves both supremely lively musical expression and a high S/N.



Input load impedance selection function (LOAD selector)

Choose between 1,000 ohms, 300 ohms, 100 ohms, 30 ohms, 10 ohms, and 3 ohms. (for MC input)

MM input function

Pressing the MM button enables use of MM cartridges and MC step-up transformers.

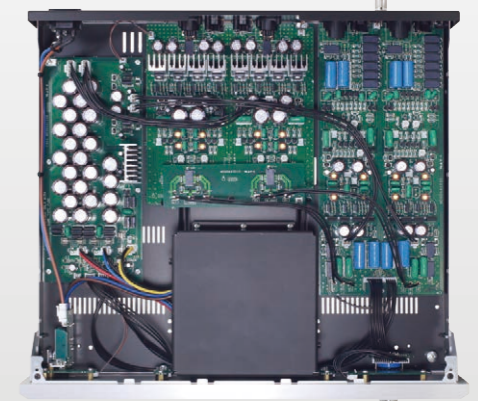
Perfectly balanced circuits (for MC input)

The E-1 fully supports balanced cartridge input. The rear panel includes an operation selector and comes complete with balanced input XLR terminals. When using XLR two-core shielded cables for balanced inputs, the E-1 becomes a perfectly balanced non negative feedback phono equalizer from input to output. This creates an overwhelming soundscape that expands in three dimensions and sound with delicateness that will resonate in your soul.

Note: Setting the operation selector to balanced RCA inputs allows for balanced inputs, but it is effectively an unshielded setup and some noise may be produced. We recommend always using XLR two-core shielded cables. Also, please note that the operation selector is not an input selector. To ensure the best sound quality, the HOT RCA terminal and the 2nd XLR terminal pin are connected internally, as are the COLD RCA terminal (GND) and the 3rd XLR terminal pin. As a result, it is impossible to switch between two record players connected to the RCA and XLR terminals.
* The default setting is unbalanced (NORMAL)

Ultra low range cutoff function(subsonic filter)

Turning the LOW CUT switch ON reduces woofer movement as a result of record warping, etc.



Ultra powerful balanced output

A strong, balanced output is obtained by providing a fully balanced non-NFB buffer amplifier that is even capable of driving loudspeakers. Unbalanced outputs are output only through the HOT balanced output, just like with other SOULNOTE products.



Strong toroidal power supply transformer & non-NFB power supply

The E-1 incorporates 260 VA toroidal transformers with the same specifications as those used in the A-1 Integrated Amplifier. Darlington ripple filter circuits, fast recovery diodes, and 10 parallel 1,000 μF filter capacitors combine in a non negative feedback power supply that creates an inexhaustible sense of lightness.



[Specifications] ● Input sensitivity / MC:0.5mV, MM:5mV ● Load resistance / MC:3ohm, 10ohm, 30ohm, 100ohm, 300ohm, 1kohm / MM:47kohm ● Gain / MC:70dB, MM:50dB ● Rated output / Balanced output:2.8V, Unbalanced output:1.4V ● RIAA deviation / ±0.3dB ● Power voltage / 230V AC 50Hz ● Power consumption / 48W ● Maximum external dimensions / Main unit: 430(W) × 109(H) × 409(D)mm ● Weight / 9.5kg ● Included accessories / Spikes, Power cord

Phono Equalizer E-1

PLATINUM SILVER / BLACK
SOULNOTE 10-year Anniversary Model



<Included accessories>



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*As of October 2022 Specifications, standards, and appearance are subject to change without notice for improvement.

