



ESOTERIC

## F-03A Integrated Amplifier

156669



Featuring distinctive dual monaural construction that extends through all stages, from preamplifier inputs through to the final stage of its power amplifier output, the F-03A Integrated Amplifier brings out the full audio potential of Esoteric's highly regarded K and N Series of digital players.

### DÉTAILS DU PRODUIT

#### A Fully Balanced Preamplifier

One result of the lavish attention given to the development of the F Series is the preamplifier's fully balanced configuration, which derives from our highly esteemed C Series preamplifier models. Impervious to noise, it delivers pure and powerful signal amplification at ultra-low impedance.

#### Dual Monaural by Design

The one design feature of these amplifiers that most clearly reflects Grandioso thinking is their dual monaural configuration, which maintains complete left and right channel independence through all stages, from preamplifier to the power amplifier's final stage. As Esoteric integrated amplifiers, the major investments made in circuit construction expertise and materials developed over the years yield excellent channel separation and a measure of sound quality that transcends the class.

#### ESOTERIC-QVCS

Playing a significant role in the F Series' balanced dual monaural configuration is the proprietary Quad Volume Control System (QVCS), which incorporates a total of four precision switched resistor ladder networks operating in unison to electronically and independently control the left and right channels and their positive and negative phases. This system helps maintain superb audio clarity, excellent channel separation and highly accurate phase characteristics. Further, by eliminating all volume control wiring on the audio board, the resulting shorter signal path minimizes deterioration of sound quality while realizing exceptionally low distortion.

\* QVCS: Quad Volume Control System

#### Ultra-Low-Noise Logic Control

As a countermeasure against noise, all control lines have been electronically separated from the main body of the preamplifier with the use of isolator elements integrated into the front panel.

#### High-Precision Ball Bearing Control Knobs

Employing the same high-precision bearing mechanisms used in our Grandioso components, the F Series' volume control knobs and selector switches provide exceptionally smooth operation with an analog feel free of any mechanical play. Sparing no cost, all panel knobs are also custom-machined from solid aluminum.

#### Dual Mono Phonostage Preamp

The dual mono phonostage preamp (MM/MC) features independent left and right channel power sources and independent circuits.

### **High-Quality Headphone Amplifier**

The powerful headphone amp provides abundant output to effectively drive even difficult to power high-end high-impedance headphones.

### **3-Band Tone Control (Treble/Middle/Bass)**

Commitment to achieving all the quality associated with high-end components results in a balanced dual monaural configuration consisting of four circuits (L/R, -/+) for each band. This system enables users to adjust tone settings free of any concerns about sound quality deterioration. Shifting the variable band more than usual toward the high and low frequency ranges (14kHz/63Hz) permits fine adjustment of bass and treble without adversely affecting the original source signal. Fully electronic control also permits fine adjustment of up to  $\pm 12\text{dB}$  in 0.5dB steps. The middle band can also be utilized as a loudness preset when set to the minus side and used in conjunction with the Tone Bypass switch.

### **Power Amplifier Input Stage Features Balanced Configuration**

The power amplification section's front stage is balanced in line with the thinking behind our S Series separate amplifiers. Its low impedance and clean amplification further enhance the dynamic range.

### **Large-Capacity Custom Power Transformer - The Nucleus of the Finest Power Amplifiers**

The power supplies of the F Series feature large-core 940VA custom EI power transformers and 40,000 $\mu\text{F}$  block capacitors for each channel in a dual monaural configuration. Large-gauge cable is used in all connections to help minimize impedance. As in our separate power amplifiers, this outstanding power section achieves a theoretically linear power output ranging from 30W at an 8 load to 60W at 4 for faithful reproduction of every musical dynamic.

### **Low Impedance for Enhanced Drive Capability**

Utilizing eight 1mm-thick bus bars formed of high-purity OFC, the speaker output section employs MOSFET switching with no mechanical contacts. Coils have also been eliminated from the output stage to minimize impedance and enhance drive capability.

### **Large Bipolar LAPT Transistors Deliver 34 Amperes of Instantaneous Peak Power**

Featured in Grandioso models up to and including the M1, large bipolar LAPT\* transistors deliver an outstanding continuous current capacity of 17A, and 34A of instantaneous peak power. Their superior high frequency characteristics also play a critical role in the accurate reproduction of the most delicate tones.

\* LAPT: Linear Amplified Power Transistor

### **3-Stage Darlington Circuit with 3 Parallel Push-Pull Configuration + LIDSC**

Derived from our flagship Grandioso line, the F Series' amplifier modules feature a three-stage Darlington configuration that utilizes three parallel push-pull sections to faithfully bring out the superb high-frequency characteristics of their LAPT transistors. Proprietary LIDSC\* circuitry reduces the drive section's second stage to final stage output impedance, achieving loudspeaker drive capability nearly equal to that of our separate amplifiers. NFB has also been minimized to realize a more natural sound quality brimming with life.

\* LIDSC: Low Impedance Drive Stage Coupling

### **3D Optimized Chassis Construction**

The F-Series' 3D Optimized Chassis features robust construction that gives each circuit block its own dedicated compartment. Interference between circuits is effectively minimized while achieving the shortest possible cable routing. Chassis exteriors are formed of thick aluminum panels manufactured without compromise following the same design philosophy imbued in Esoteric's separate amplifiers. As a result, their heavy-duty construction tips the scales at a total weight of 32kg, exceptional among integrated models. Our patented steel pinpoint feet\* support the F-03A at four points in order to minimize the negative effects of vibration.

### **Designed for System Upgrades**

The preamplifier and power amplifier sections of the F Series boast the same degree of refinement as Esoteric's separates, and can both be used as standalone devices, or even disabled if not in use. The PRE-out employs a powerful buffer amplifier, while XLR outputs achieve a highly effective fully balanced configuration. System upgrades can also be performed with no compromises in quality, and an optional board slot facilitates the installation of an optional board, such as OP-DAC1 D/A Converter Board or OP-ESLA1 ES-Link Analog Input Board.

### **Other features**

- Organic EL display (Normal / Large font)..
- Two speaker terminal systems (A / B / A+B)..
- Independently adjustable input gains ( $\pm 18\text{dB}$ ; 0.5dB steps)..
- L/R channel balance..
- Individually selectable phase inversion for each source..
- AV through output (volume bypass) ensures seamless coexistence with AV systems..
- Preamp output jacks (XLR & RCA) can be switched between PRE Out and REC Out..
- Aluminum body remote controller can also be used to operate Esoteric's SACD players..
- Displayed source device names can be remotely programmed.
- Mute, dimmer and automatic display OFF functions.

**Caractéristiques**

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Code EAN:	4907034220830
Numéro du fabricant :	F-03A
Poids du produit :	34.524 kilograms
Colisage:	1 Unité