NAVIGATOR™ SYSTEM PROCESSOR

NAV8800

NAV4800

NAV3600

Set your course for a better sounding system…

SABINE®
ADAPTIVE AUDIO

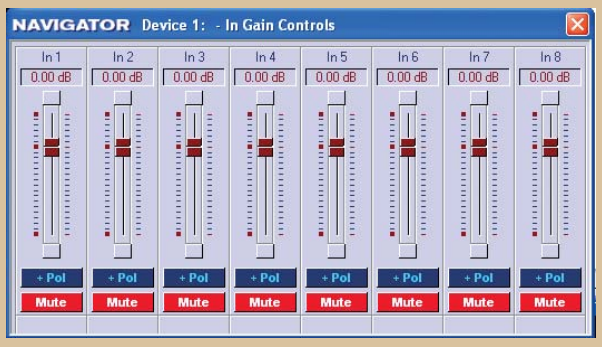
Sabine Navigator System Processor

The course is set for a better sounding system...

Sabine is proud to announce a new line of audio system processors with a highly focused design criteria: they are extremely flexible and easy to use, and they are engineered to the highest possible standards of sound quality.

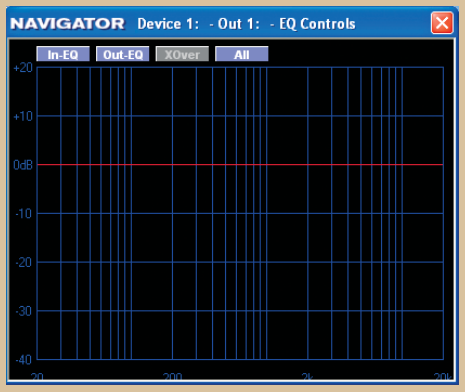
The Navigator Series is a complete multi-input/output digital system processor with full loudspeaker management, designed for commercial installation and production audio. The latest in available technology is utilized with 32-bit (40-bit extended) floating point processors and high performance 24-bit digital converters. The high-bit DSP prevents noise and distortion induced by truncation errors of conventional 24-bit fixed-point devices.

As the name implies, the Navigator is all about control. Navigator Remote Control software provides a heads-up display of all systems status and fast access to all parameters. Equally powerful is the front panel control for those times when you need full access at the rack position. When integrating the Navigator as part of a larger system, choose either CobraNet (coming soon) or Ethernet as your connection protocol. Serial and Ethernet-based touch screen control is also possible with all Navigators.



One of the pioneers in the field of digital signal processing, Sabine's research and development into digital filtering technology provides an edge in both sound quality and reliability. The FBX Feedback Exterminator is one of the many innovations originating from the engineers at Sabine. This intense research is applied to all DSP functions of the Navigators, including equalization, level control, delay, polarity, routing, multiple crossover selections, and gain management. Industry-standard Analog Devices SHARC processors handle the DSP processing.

Free firmware and software upgrades are easily done by connecting to Sabine's web site. You can always keep your Navigator current with newly developed algorithms and functions once available. Flexible save and recall functions and complete system security round out these rugged units.



Navigators will improve the sound quality and the adaptability of sound systems for churches, schools, boardrooms, theaters, concert halls, offices, retail outlets, and all levels of touring and production systems.

Contact Sabine today for a test flight of the new Navigator System Processors.

NAV8800: 8 in 8 out System Processor

NAV4800: 4 in 8 out System Processor

NAV3600: 3 in 6 out System Processor

NAVIGATOR TOOLS

Equalization:
- Parametric, Shelving, High & Low pass, 6-bands per each I/O
- FBX Feedback Exterminator, 12 filters per input

Crossovers
- Multiple types and presets
- Three filter types
- Slopes to 48 dB

Gain Management
- Gain on all I/Os
- Compressors
- Limiters
- Automatic Gain Control

Routing & Delay
- All inputs to all outputs
- Polarity
- 450 msec available per channel

Performance
- 48 or 96 KHz Sampling Rate
- 24 A/D, D/A Converters
- 32-bit (40-bit extended) processing

Memory and Security
- 30 programs, save and recall
- Multiple security levels; password protected
- All firmware and software upgradeable

Controls
- Front panel: Instant menu access and linking for each I/O; Gain LEDs for each channel; LCD, datawheel
- Remote: Navigator Remote Control Software via RS232 Serial
- Options: CobraNet (TBA), Ethernet, Digital Audio I/O

Models:

NAV8800: 8 in 8 out System Processor

NAV4800: 4 in 8 out System Processor

NAV3600: 3 in 6 out System Processor

NAV8800-EN: 8 in 8 out System Processor with Ethernet

NAV4800-EN: 4 in 8 out System Processor with Ethernet

NAV3600-EN: 3 in 6 out System Processor with Ethernet

NAVIGATOR SPECIFICATIONS

Inputs and Outputs
Input Impedance: >10k Ohms
Output Impedance: 50 Ohms
Maximum Level: +20dBu
Type: Electronically balanced

Audio Performance
Freq Response: +/-0.1dB (20 to 20kHz)
Dynamic Range: 115dB typ (unweighted)
CMMR: >60dB (50 to 10kHz)
Crosstalk: <-100dB
Distortion: 0.002%(1kHz @+4dBu)

Digital Audio Performance
Processor: 32-bit (40-bit extended)
Sampling Rate: 48kHz
Analog Converters: High Performance 24-bit
Propagation Delay: 1.47ms

Front Panel Controls
Display: 4 x 26 Character Backlit LCD
Level Meters: 5 Segment LED
Buttons: Mute Controls and Gain/Menu Controls
Dial Encoder: Embedded Thumb Wheel

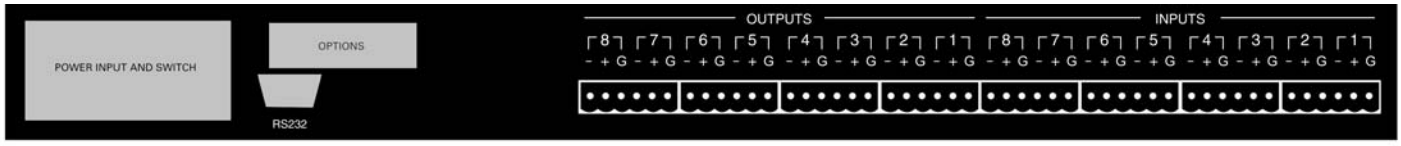
Connectors
Audio: 3-pin XLR or Phoenix (8800 only)
RS-232: Female DB-9
Power: Standard IEC Socket

General
Power: 115/230 VAC (50/60Hz)
Dimensions: 19" x 1.75" x 8" (483 x 44 x 203mm)
Weight: 10 lbs/4.6 kg

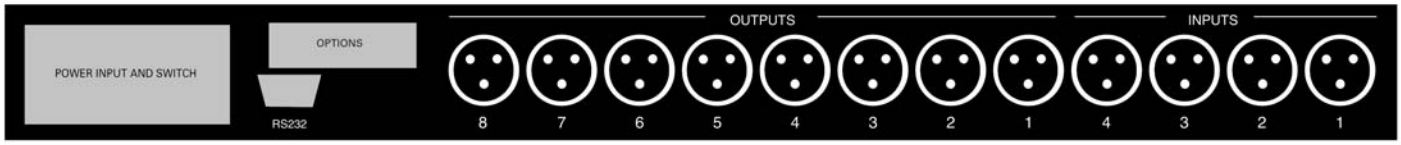
Audio Control Parameters
Gain: -40 to +15dB in 0.25dB steps
Polarity: +/-
Delay: Up to 450ms per I/O
Equalizers: 6 per I/O
Type: Parametric, Hi-shelf, Lo-shelf
Gain: -30 to +15dB in 0.25dB steps
Bandwidth: 0.02 to 2.50 octaves (Q=0.5 to 72)
Crossover Filters: 2 Individuals per Output
Filter Types: Butterworth, Bessel, Linkwitz Riley
Slopes: 6 to 48dB/oct
Compressor Threshold: -20 to +20dBu
Limiter Threshold: -20 to +20dBu
Attack: 0.3 to 100ms
Release: 2 to 32X the attack time

Global Parameters
No. of Programs: 30
Configuration: Generic, 2,3,4-Way
Delay: Units: ms, ft, m
Frequency Modes: 36 steps/oct, 1Hz resolution
Security Locks: Any individual menu
Channel Names: 6 characters

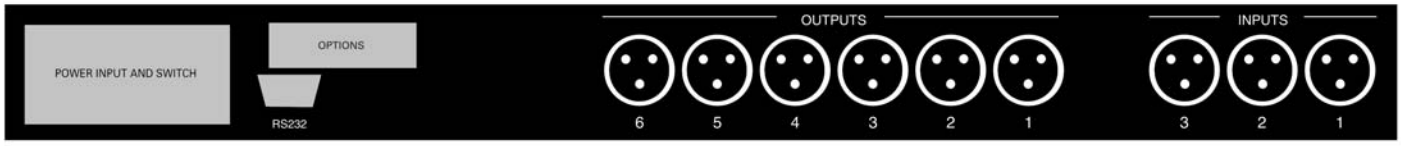
Specifications subject to change without notice.



NAV8800: 8 in 8 out System Processor



NAV4800: 4 in 8 out System Processor



NAV3600: 3 in 6 out System Processor

One-year limited warranty
Patented†
Other Patents Pending
Made in USA

SABINE®
ADAPTIVE AUDIO

Complete Operating Guide & Catalog available at our website

www.Sabine.com
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†FBX and FBX Feedback Exterminator are registered trademarks of Sabine, Inc., and are the brand names of its line of automatic feedback controllers. Covered by U.S. Patent No. 5,245,665, Australian Patent No. 653,736, German Patent No. 69118486.0, U.K. Patent No. 0486679, and Canadian Patent No. 2,066,624-2. Other patents pending.