Sensoft 8.1

Sensoft 8.1 adds a wealth of new features and functionality to the compact Sy40 digital mixing console.

More flexibility.

Sensoft 8.1 real time software allows you to freely configure the most suitable console layout for the job at hand.

New features include :

- XFAD™ (expanded fader) mode for inputs
- XFAD™ (expanded fader) mode for buses
- Free assign VCA
- Groups, Mono, Stereo or LCR
- Aux buses mono stereo or LCR
- Master bus, Mono, Stereo or LCR
- Matrix with direct input routing
- Monitoring bus with 3 outputs circuits
- Automation includes Midi program change, Cross-Fade, MTC, mute controls and fader starts
- Libraries, Copy/Paste, OverRam, OffLine and Relax mix functions

More inputs.

With Sensoft 8.1, Sy40 now provides 48 input channels and 26 output buses, plus a further two buses for monitoring.

As a stand-alone console, Sy40 can be fitted with up to 6 InnovaSON audio modules and with a wide range of I/O to choose from, you decide the mix of cards you need to suit the application. A typical configuration for example could provide 32 mic/line, 8 line inputs and 16 processed outputs.

By adding the optional digital Stage Box, you can pick your active 48 inputs from any of a possible 64 mic/line inputs and your 26 buses from a possible 48 outputs for maximum on-line mixing power.

Equally at home touring, in theatres, broadcast and houses of worship, Sy40 brings the best of digital audio technology to the art of live mixing.

Compact and lightweight
Specifically designed for live mixing
Fast, straightforward user interface
Display of all key console parameters available at a glance on screen
Proven durability & reliability
Global Support

48 mic/line inputs
26 buses + 2 monitoring
Freely configurable fader layouts
Independent panning for each bus
Full processing on all inputs and selected outputs
Acclaimed audio quality

Sy40 8.1 Upgrade

A kit is available for upgrading an existing Sy40 to Sensoft 8.1

Kit contents :
- Sensoft 8.1 installation disk
- Sensoft 8.1 installation manual
- Sy40 user's manual
- Upgrade instruction manual
- Eproms for MC 64 controller
- Eprom for DSP Sy40-8
- Stickers and button texts

Console characteristics

Dimensions (lxhxd) : 1150x215x760 mm
Weight : 40 kg
Power : 100-240 VAC, 50-60 Hz, 300 VA
Delivery case : 1300x450x900 mm - 90kg

CPU : PC compatible, 1.44 Mb Floppy drive
Hard disk drive : Solid State internal 64Mb
Screen : 12" LCD, folding flat screen
Keyboard : 80 keys and track ball in drawer
Software : Sensoft 8.1 or later
Interface : Midi In/Out/Thru
External PC connections : keyboard, mouse, serial and parallel ports

Control surface :
47 faders : 100 mm motorized +1 (cross fade)
141 keys : for faders (Cue,Select and Mute)
48 displays : 4 characters Led display for labels
47 bar-graphs : 16 segment led audio meters
23 rotary coders : audio controls
34 switches : audio, general purpose functions

2 XLR4F : +12V 0,5A for lights (included)
1/4" headphones jack for headphones (front)

Audio characteristics

Audio Bus : InnovaSON standard 8 Slots
Permanent modules : MC64 & DSPSy40-8
6 slots : InnovaSON audio I/O modules

DSP processing power (DSPSy40-8) :
48 input channels with following functions :
- Input patch (from 64 mic/line+8 line inputs)
- Phantom and Phase inversion
- Low cut : 20 to 500 Hz sliding frequencies
- Noise Gate : 5 parameters
- Compressor/Limiter : 5 parameters
- Eq. 4 full bands (20Hz-20kHz +/-15dB+notch)

Stereo Monitoring bus and 26 mixing buses definable as : Group, Aux, Master mono, stereo, LCR, LCR+M and mono Matrix.
with the following functions :
- Channel and Bus routing (when applicable)
- Pan per channel per bus (when applicable)
- Channel level, masters and matrix send levels
- Output processing (XO8D or DO8X output modules)
    - Parametric Eq. 8 Full bands
    - Compressor/Limiter
    - Noise gate
    - Output delay (up to 1300 ms)

Sensoft 8.1 functions

Real-time display of all mix parameters
Console and faders configuration
Patch IN : input to faders assignments
XFAD mode for input channels
Assignable inserts and direct outputs
Channel processing controls
Channel and bus routing and sends
Panning per channel per bus
Patch Out : bus to output assignments
Bus modes (mono, stereo, LCR, LCR+M)
Output processing controls
3 Monitoring circuits with level control
Monitoring input/output priority and modes

File memories for shows
Pages memories for scenes
Load/Goto/Prev/Next page recalls
Crossfade and Midi/MTC automation
Midi fader starts and mute controls
OverRam for updating through pages
Relax channels from automation
Copy/Paste and Flat
Off-Line mode
Test signal (sine, white and pink noise)
Off-Line programming on PC

Nov 2003 - Non contractual document : specifications and appearance may change without prior notice.

Typical configuration :
32 mic/line (4 SI8D), 16 processed outputs, 8 line level inputs

Typical configuration :
optional Stage Box

SI8D DI8S DI8Src MO8D XO8D DO8A D08X
Input / Output audio modules

innova SON

a Digigram company