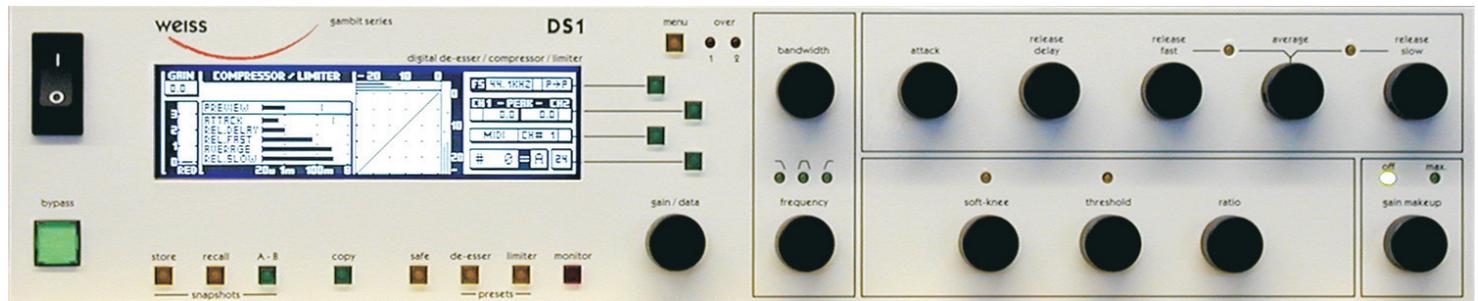


gambit series DSI

digital de-esser / compressor / limiter



The Weiss Gambit Series DSI

The Weiss 102 Series split band De-Esser is one of the mastering industry's most highly praised digital products. Now Weiss engineers have taken their De-Esser design and combined it with the best features of the time proven 102 Series Dynamics Processors. The result is the Gambit DSI, a stand alone digital Dynamics Processor with unparalleled performance and sonic integrity.

In De-Esser mode the compression band is selectable low, mid or high frequency and extends the functionality beyond de-essing. The crossover filters are linear phase for the highest sonic quality. The full band dynamics processor with soft knee compressor and hard limiter is ideal for program loudness control.

The DSI works in two selectable modes, the DeEsser or the Compressor / Limiter mode.

In DeEsser mode the band - split filter is switched on, thus only a selected frequency range gets compressed. The frequency range can be selected over a wide variety of choices: Highpass, Bandpass and Lowpass, with corner frequencies down to 293 Hz (41Hz in the MK2 version). This allows not only for de-essing, but also for bass treatment etc.

In Compressor / Limiter mode the split filter is turned off and the compressor therefore works over the full audio range. This mode is useful for maximising loudness while retaining the character of the music as far as possible. Special auto release algorithms take care that side effects of compression are kept to a minimum.

“For ”Neutral Digital” the only word in my opinion is Weiss. The DSI is a VERY powerful box.”

**Glenn Meadows,
Nashville**

“... the DSI has never left me wanting more in a dynamics processor.”

**Alan Silverman,
Arf! Digital**

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DSI

Audio Processing

- Fine tuneable linear-phase frequency crossover for true band selective compression (de-essing, de-bumping, bass boosting).
- 24bit AES/EBU interfaces for signals up to 48kHz sampling rate.
- Output 24bit, can be dithered to 16 or 20bit.
- Oversampled sidechain processing.
- Oversampling audio path in compressor/limiter mode.
- Soft knee compressor.

Display

- Graph of transfer curve with stereo input and output meters.
- Numeric peak hold and over hold.
- Status display showing sampling frequency, channel status data handling, current workspace and snapshot number and a resettable peak-hold and over-hold per channel

- Display (activated by touch) showing crossover, timing and transfer curve settings.
- Two over-LED's with settable number of consecutive over-samples which cause an "over" display combined with an over-hold function

Snapshots

- 3 x 128 non-volatile snapshots where all parameters are stored
- A-B workspaces for quick comparison between two settings

Remote Control

- Supports MIDI, RS-232 and RS-422 protocols
- Standard MIDI Continuous Controllers for parameter remote control (including overall gain)
- Snapshot automatization with MIDI Program Change Commands
- MIDI Dump of Snapshots

Block diagrams of the two operating modes of the DSI:

