



roger schult
german audio lab

Extended aural editing system W2344 RS-Matrix

The W2344 is designed by the RS-Laboratory to process audio material in stereo and M/S mastering environments. With two flexible inserts external signal processors can be integrated in the stereo chain as well as in the M/S signal path. The integrated switch matrix of both inserts, featuring a pre/post and an on/off function, and the flip function between insert 1 and insert 2 allow an immediate evaluation of the M/S and the stereo processing with or without the external signal processors.

Mono compatibility and phase correction

The W2344 comes with a dedicated solo button for the side and the mid channel, a mono switch to check the mono compatibility and two buttons, which allow to change both channels of the side signal or to switch the phase.

Input level

Separated controls allow to adjust the input level in a range of ± 10 dB.

The stereo-width function

The continuous Stereo Width potentiometer controls the width of the side channel from mono to a factor of two. The impact of the edited base width can be compared with the setting of the unedited setting via a dedicated switch (compare).

M and S solo function

The W2344 system offers the possibility to monitor the phase corrected side and mid signal with separate solo switches for the M and S signal.

The EQ section

The system offers the possibility of editing the mid and the side signal separately via two fully integrated parametric equalizers. Thereby different resolutions of the filter frequency in both channels ensure an optimal adjustment for the use in the side and the mid channel. The filter frequency and the gain can be controlled precisely with the dedicated knobs for each parameter. The frequency range of the filter can be extended with a dedicated switch to a factor of 3. The range of the Q factor can be set between 0,3 and 10 with a 9-stage ELMA switch and in the initial and end position of the ELMA switch the bandpass filter can be switched to a highpass or lowpass filter with the possibility to set the cut-off frequency with the "frequency" control. To control the impact of the setting both filters can be disabled.

Inserts for external signal processors with pre- and post-function

Both inserts can be alternatively switched to the stereo signal chain as well as before (pre) or after (post) the M/S matrix. An example for such an application is the quick comparison of the processor setting in M/S or stereo.

Flip function of the inserts

With the flip function insert 1 and 2 can be swapped instantly.

The user interface

All pushbutton switches of the W2344 are illuminated if they are activated. That offers a reliable visual control of all settings of the unit. Optionally available is a rasterized resolution of the filter potentiometers, that allows a complete reproduction of all settings. With this option the W2344 becomes an ideal tool for ambitious mastering jobs.

As all Roger Schult products, the **W2344 RS-Matrix** is hand-crafted and precision-engineered in Germany





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Functions

- Control function for the phasing of the left channel
- Control switch for mono compatibility
- Switch to swap both inputs
- Continuous control of the input gain between -10dB and +10dB
- Control of the stereo width from mono to a factor of two
- Pre listening function of the stereo width with a dedicated switch
- Phase corrected solo function for the mid and the side signal
- Two fully parametric M/S EQs with activation switch (filter on)
- Two separate switchable inserts in the M/S- or stereo-signal chain
- Pre-/post function of the inserted signal processors
- Flip function for both inserts 1 and 2

Applications

Universal mastering tool for complex editing of stereo and M/S signals, change of the range layering of individual instruments or tone ranges with the simultaneous possibility to adjust the stereo image and the spatial resolution, integration of external signal processors for the individual modification of the M/S matrix and the usage in different mastering environments, highpass filter for A/D converters, maximization of the level in mastering environments, adjustment of the stereo width with the possibility to use a higher factor than one to compensate mistaken stereo width settings