



W2389j (f) M/S-Master junior (api 500 ® System)

The analog precision M/S matrix W2389j by Roger Schult provides access to the mid- and side components of a stereo signal opening doors to many unique signal processing and sound shaping opportunities in mixing and mastering. The integrated double conversion matrix from L/R to M/S back to L/R makes this unit particularly convenient as it can be inserted into any stereo signal path.

The incoming L/R signal is split up into its mid- and side components via a high precision analog matrix, which then provides a low impedance send output for external processing devices such as EQs or compressors. The processed signal is then fed back into the return input of the W2389j which can accommodate signals from high impedance vintage effects, and converted back into a L/R stereo signal. Optionally, the M/S insert point can be switched to conventional L/R mode operation if desired.

To allow convenient and fast A/B comparisons between the unprocessed original signal and the processed path the W2389j provides noise-free bypass switches. In M/S mode these are unlinked offering control of the individual channels, while in L/R mode they are automatically linked. If converting the signal back into a L/R stereo format is not desired, the unit can also be utilized as a double M/S converter. Combining this compact precision matrix with external outboard processors creates a versatile tool for a wide range of recording, mixing, and mastering applications.

As all Roger Schult products, the W2389j M/S-Master junior is hand-crafted and precision-engineered in Germany.

W2389j functions

- Conversion of stereo signals into the M/S format and back
- Isolates the mid- and side components of a stereo signal for individual processing
- Distinct bypass switch for M and S
- Allows both M/S and conventional L/R processing Applications
- Individual control of mid- and side components via external signal processors

Applications

- Individual control of mid- and side components via external signal processors
- Conventional processing in L / R mode
- Subsequent stereo width processing from mono to super-wide stereo
- Rebalancing the balance of ambience/reverb to soloist levels
- Inserting vintage and / or mono devices in M or S
- M / S matrix for microphones when using the return channels

Technical Data

01 / 2021

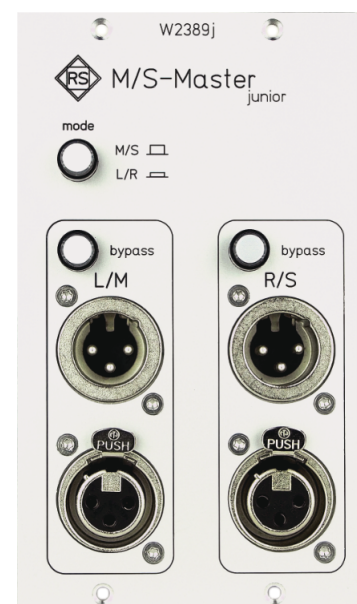
Input (electronically balanced)

Reference input level	+6 dBu
Maximum input level	+14 dBu
Input impedance	10 kOhm

Output (electronically balanced)

Reference output level	+6 dBu
Maximum output level	+14 dBu / (0.05% THD+N)
Output impedance	55 Ohm
Gain at linear setting	0 dB at 1 kHz (-0.03 dB)
Signal-to-noise ratio	< 100 dB
Noise level (WTD)	< 97 dBq
Harmonic distortion	THD+N / 0 dBu 0.003%
Frequency range	20 Hz - 40 kHz (- 0.003 dB)
Delay time of hard bypass relays	max. 3 ms
Power supply	+/- 16 V via api ® - System + max.170 mA / -16V max. 90 mA

Module dimensions	115 mm x 172 mm (HxD)
Faceplate dimensions	19 Zoll / 3 RU, 3" x 5,25" (WxH)
Faceplate finish	Aluminium, chromated
Weight	0.820 kg



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