



SM26S

6-Channel Splitter / Mixer

Introducing the Rane SM26S Splitter Mixer - an ultra-versatile, adaptable six-to-two-line level mixer meticulously engineered for a wide range of differing usage scenarios. It will accept six balanced or unbalanced line level inputs which are applied to six Level and Pan controls. An additional stereo Master Input allows a total of eight inputs. The result of the mix is sent to an overall Master Output Level control and appears at the Left and Right Outputs on the rear. In its splitter mode, the SM26S can take one or two-line level inputs and split these to any of the six Mono Outputs on the rear. The Mix/Pan controls in this mode adjust the level from each of the two input buses to be applied to each Output. Internal header blocks allow the Mix Outputs to become an independent stereo out, allowing a total of eight outputs.

The SM26S may also be used in a combination of modes at once. For instance, Inputs 1 through 3 may be mixed to the left and/or right output buses, at the same time Outputs 4 and 5 are delivering signal originally applied to the Left and Right Master Inputs while Output 6 is simultaneously being driven from Input 6 in the straight through mode. All Inputs and Outputs on the SM26S are 1/4" TRS active balanced.

Features

- 6 balanced mono inputs, 6 balanced mono outputs
- 2 main balanced Inputs, 2 main balanced outputs
- 6 input Level controls with 6 Mix / Pan controls
- Master Input and Output Level controls
- 10 dBV to +4 dBu shifter
- +4 dBu to -10 dBV shifter



Parameter	Specification	Limit	Units	Conditions / Comments
Inputs: Type	Active Balanced			
Connectors	1/4" TRS			Tip=(+), Ring=(-), Sleeve=GND
Impedance	20k	1%	Ω	
Maximum Level	22	1	dBu	
Outputs: Type	Active Balanced			
Connectors	1/4" TRS			
Impedance	125	typ	Ω	1 kHz
Maximum Level	26	1	dBu	10 k Ω or greater
Overall Gain Range	Off to +12	-0/+6	dB	Any Input to any Output
RFI Filters	Yes	5%		
Frequency Response	10Hz - 40 kHz	+0/-3	Hz	
THD+Noise	0.008	.002	%	+4 dBu, 20-20 kHz unity gain
IM Distortion (SMPTE)	0.009	.002	%	60 Hz /7 kHz, 4:1, +4 dBu unity gain
Signal-to-Noise Ratio				Reference +4 dBu, 20 kHz noise bandwidth
Mono Outputs, unity gain	120	2	dB	
Mix Outputs, unity gain	98	2	dB	
Crosstalk				
L-R Panning	60 (1 kHz)	2	dB	Any Input to Mix Outs
Channel-Channel	75 (1 kHz)	2	dB	Any Input to Mix Outs
Mean Time Between Failure	35,500 hours		h	Mil-Hdbk-217D, Section V
Unit: Maximum Power	7		W	
Universal Line Voltage	100 to 240	10%	V AC	50/60 Hz
Conformity	CE, FCC, CULUS			
Construction	All Steel			19" 1U Rackmount
Size	1.75" H x 19" W x 5.3" D			(4.4 cm x 48.3 cm x 13.5 cm)
Weight	5 lb			(2.3 kg)
Shipping: Size	4.25" x 20.3" x 13.75"			(11 cm x 52 cm x 35 cm)
Weight	9 lb			(4.1 kg)
Note: 0 dBu=0.775 Vrms	Unity Gain = Master Levels Set to ~ "7" Position			