

B77 MK III Stereo Tape Recorder

The Revox B77 tape recorder is a true icon in the world of audio. With the new B77 MK III Stereo Tape Recorder, the Revox development team has re-engineered this special product and enhanced it with significant innovations. All new details, such as the audio technology for even better sound reproduction and recording quality, the precision-manufactured, high-quality tape heads, the pressure roller, a digital counter, playback capability for all common tape standards, XLR IN/OUT, and a wide range of connection and optional expansion options have been perfected by our developers, technicians, and designers. The B77 MK III is manufactured at the Revox factory in Villingen (Germany). Reels and NAB adapters are not included in the scope of delivery.



front view B77 MK III



back view B77 MK III



delivery condition B77 MK III

TECHNICAL DATA (measured across tape)

Order no.	117703300		Crosstalk	Stereo	better than -58 dB
Dimensions H x W x D (mm)	414 x 452 x 207		Erase depth ³	better than -78 dB	
Weight (kg)	18		Inputs per channel		
Tape transport mechanism	3-motor drive; 2 AC wound motors; 1 AC capstan motor, electronically controlled		Position LO	0.15 mV / 2.2 kohms for 50 ... 600 ohms microphones	
Tape speeds	19 cm/s and 38 cm/s, electronically switched; variable by ±7 semitones with external tone motor control		Position HI	2.8 mV / 110 kohms for 50 ... 20 kohms microphones	
Pitch fluctuations	19 cm/s 38 cm/s	better than 0.08% better than 0.04%	AUX	40 mV / 220 kohms Overload margin on all inputs: 40 dB	
Reel size	up to 26.5 cm (10.5") diameter		Outputs per channel		
Equalization NAB	19 cm/s 38 cm/s	50 μsec / 3180 μsec 50 μsec / 3180 μsec	OUTPUT	1.55 V at +6 VU (asymmetrical/symmetrical)	
Equalization CCIR	19 cm/s 38 cm/s	70 μsec 35 μsec	PHONES	3 V output voltage/ Ri 82 ohms suitable for phones 32 - 600 ohms	
Frequency response at -20 dBu	19 cm/s 38 cm/s	30 Hz ... 20 kHz + 2/-2 dB 50 Hz ... 16 kHz ± 1.5 dB 30 Hz ... 22 kHz + 2/-2 dB 30 Hz ... 20 kHz ± 1.5 dB	Connectors for	XLR (line-in/out balanced; RCA adapter unbalanced), 2x 6.3 jack microphone, 2x 6.3 jack headphones, DIN 4-pin for VariSpeed connection, DIN 9-pin for remote control	
Peak recording level	514 nWb/m corresponds to 6 dB above 0 VU		Electric current supply	108 ... 240 V ± 10% switchable: 100 V, 120 V, 140 V, 200 V, 220 V, 240 V 50 ... 60 Hz without switching max. 73 watts	
Level metering	VU-Meter as per ASA-standard, with LED peak level indicators		Mains fuse	100 .. 140 V: 1 AT 200 .. 240 V: 0.5 AT	
Distortion ¹	19 cm/s 38 cm/s	<0.3% <0.24%			
Signal to noise ratio ²	19 cm/s 38 cm/s	better than -70 dB better than -70 dB			

Unless otherwise specified, measured across tape at 510 nWb/m

¹ measured at 0 VU (257 nWb/m)

² measured at 2,5% distortion

³ measured at 19 cm/s