

Sound Devices Comparison

	MixPre-6	MixPre-3		688	664	633
Description	6 input, 8-track audio recorder, mixer and USB audio interface	3 input, 5-track audio recorder, mixer and USB audio interface	Description	12 input, 16-track mixer/recorder with Dugan Automixing / MixAssist™ and optional SL-6 Powering and Wireless System	12 input, 16-track mixer/recorder	6 input, 10-track mixer/recorder with Dugan Automixing / MixAssist™
RECORDER			RECORDER			
Recording Media	SD, SDHC, SDXC	SD, SDHC, SDXC	Recording Media	CF, SD	CF, SD	CF, SD
Tracks	8 (6 channel + mix)	5 (3 channel + mix)	Tracks	16	16	10
Max Sampling Rate	192kHz	96kHz	Max Sampling Rate	192kHz	48.048kHz	192kHz
Max Bit Depth	24	24	Max Bit Depth	24	24	24
Audio File Format	Wav Poly	Wav Poly	Audio File Formats	Wav Poly, Wav Mono, MP3	Wav Poly, Wav Mono, MP3	Wav Poly, Wav Mono, MP3
Metadata Editing	✓	✓	Reel, Scene, Take, Notes, Phrases, Tracks	✓ (iXML, bEXT)	✓ (iXML, bEXT)	✓ (iXML, bEXT)
Playback Audio Scrub	1/8x to 16x (FFWD and REW)	1/8x to 16x (FFWD and REW)	Sound Report Creation	✓	✓	✓
			Max Pre-roll Time	6s	6s	6s
USB						
USB Ports	2 (1 USB-A, 1 USB-C)	2 (1 USB-A, 1 USB-C)				
USB Audio Streaming	8 in / 4 out to Mac &/or Windows with ASIO driver 2 in / 2 out to Windows w/o ASIO driver	5 in / 2 out to Mac &/or Windows with ASIO driver 2 in / 2 out to Windows w/o ASIO driver				
MIXER			MIXER			
Simultaneous Recording, Mixing, USB audio streaming	✓	✓	Digital Mixing, Processing and Routing	✓	Analog	✓
			SuperSlot™ Wireless Receiver Integration	via optional SL-6	--	--
			RF Scan & Freq. Assignment	✓ (with SL-6 & SuperSlot receivers)	--	--
48V Phantom	✓	✓	48V Phantom	✓	✓	✓
Balanced Mic/Line Inputs	4 XLR/TRS combo	3 XLR	Total Inputs	12	12	6
			Mic / Line Inputs	6	6	3

Aux/Mic In (3.5 mm) 4 uses: Camera Return, Plug-in-Power Mic, 2 ch Line In & Timecode	✓	✓	Line Only Inputs	6	6	3
			AES42 Digital Mic Inputs	2	2	1
Input Delay	✓	--	AES3 Inputs	2 (4ch)	2 (4ch)	1 (2ch)
Input Polarity Reverse	✓	--	AutoMixers: MixAssist & Dugan	✓	--	✓
Low Cut filters	40 - 240 Hz, 18dB/oct	40 - 240 Hz, 18dB/oct	HPF	80 - 240 Hz (analog and digital)	80 - 240 Hz (analog only)	80 - 240 Hz (analog and digital)
Input Limiters	Analog	Analog	Input Limiters	Pre/Post Fade (analog and digital)	Pre/Post Fade (analog only)	Pre/Post Fade (analog and digital)
Output Limiters	Digital	Digital	Output Limiters	✓	✓	✓
Input Pair Linking (Stereo and M/S)	Pairs 1-2, 3-4, 5-6	Pair 1-2	Input Linking (Stereo and M/S)	All input pairs	Pairs 1-2, 3-4, 5-6	Pairs 1-2, 5-6
User-Programmable Headphone Presets	✓	✓	Slate Mic	Built-in and External	Built-in and External	Built-in
			Tone Osc	✓	✓	✓
			Bus Outputs	8 (L,R, X1-X6)	4 (L,R, X1-X2)	6 (L,R, X1-X4)
Tone Generator	✓	✓	AES3 Digital Outputs	4 (8ch)	4 (8ch)	2 (4ch)
			Transformer-balanced XLR / Hirose Outs	✓	✓	--
			Direct Outputs	--	For inputs 1-6	--
Headphone Output (3.5 mm; wide bandwidth, high gain)	✓	✓	Headphone Outputs	2	2	2
Unbalanced Stereo Output (3.5 mm) w/ routing matrix	✓	✓	2ch Camera Send/Return, 10-Pin Hirose	2	2	--
			2ch Return, 1/8"	1	1	1
			Dedicated Com Return	✓	✓	--
			Tape Out	1	2	--
			Input Delay	0 - 30 mS	--	0 - 30 mS
			Output Delay	0 - 417mS	--	0.0 - 10.0 frames
			Hardware Faders	Ch 1-12	Ch 1-6	Ch 1-6

			Hardware Trim Controls	Ch 1-6 (1-12 with CL-6)	Ch 1-6	Ch 1-3
			Hardware LR Pan Controls	Ch 1-6	Ch 1-6	Ch 1-3
Input SOLOs (Individual or Multiple)	✓	✓	Hardware PFL Controls	Ch 1-12	Ch 1-12	Ch 1-6
Input Gain, Pan, and Fader Controls	✓	✓	Hardware Trim Control of Digital Ins	Ch 1 and 6	--	--
LCD Metering	3 meter views	3 meter views	Metering	3 meter views, customizable	3 meter views, customizable	3 meter views, customizable
Multi-Color Ring LED Metering Surrounding Fader Knobs	✓	✓	LR plus 12ch Vertical Metering	✓	--	--
TIMECODE			TIMECODE			
Reader	Time of Day, HDMI or LTC via Aux In	Time of Day, HDMI or LTC via Aux In	Hi-Precision Ambient™ Generator / Reader	✓	✓	✓
			Word Clock Sync Reference	✓	✓	--
POWERING			POWERING			
Power Source	4x AA or 8x AA, L-mount, USB-C	4x AA or 8x AA, L-mount, USB-C	Power Source	EXT DC, 5x AA, & NP1 (from SL-6)	EXT DC, 5x AA	EXT DC, 6x AA, 2x L-Mount
iPhone/iPad USB-A Charging Port	✓ (when powered by L-mount batteries)	✓ (when powered by L-mount batteries)	PowerSafe™	✓	--	✓
			QuickBoot	✓	--	✓
			Integrated Power Distribution	4x DC Outs, USB Charging Port (with SL-6)	--	--
REMOTE CONTROL			WIRELESS REMOTE CONTROL			
Wingman iOS app	✓ (via integrated Bluetooth Smart)	✓ (via integrated Bluetooth Smart)	Wingman via iOS Devices	✓ (WM-Connect required)	✓ (WM-Connect required)	✓ (WM-Connect required)
Record Start/Stop Trigger	✓ (HDMI Flag or Timecode)	✓ (HDMI Flag or Timecode)	3rd-Party Remote Control via iOS Devices	✓ (:wave & MovieSlate required)	✓ (:wave & MovieSlate required)	✓ (:wave & MovieSlate required)
			3rd-Party Web-based Remote Control via Android, PC or iOS Devices	✓ (Ambient Master Lockit & WiFi required)	✓ (Ambient Master Lockit & WiFi required)	✓ (Ambient Master Lockit & WiFi required)
PHYSICAL						
Die Cast Aluminium Chassis	✓	✓				
1/4" 20 mounting	✓	✓				

Size	6.53" x 4.65" x 1.40" (166mm x 118mm x 36mm)	5.68" x 4.35" x 1.40" (144mm x 110mm x 36mm)				
Weight	19.9 oz (.56 kg)	16.8 oz (.48 kg)				
INCLUDED ACCESSORIES						
MX-4AA Battery Sled	✓	✓				
Y-Cable (1 USB-C to 2 USB-A)	✓	✓				
OPTIONAL ACCESSORIES			OPTIONAL ACCESSORIES			
MX-8AA Battery Sled	✓	✓	SL-6 Powering and Wireless System	✓	--	--
MX-Lmount Battery Sled (Li-Ion)	✓	✓	CL-12 Linear Fader Controller	✓	✓	✓
MX-Charge (Wall PSU w/USB-C)	✓	✓	CL-6 Input Controller	✓	✓	--
			Carry Bag	CS-688	CS-688	CS-633
CONTROL INTERFACE						
Touchscreen, Sunlight-Readable	✓	✓				
Ergonomic Channel Knobs	✓	✓				
Backlit Transport Buttons	✓	✓				
Operation Modes: Basic, Advanced, Custom	✓	✓				
Load/Save User Setup	4 internal, unlimited to SD card	4 internal, unlimited to SD card				
Multi-function Star Button	✓	--				