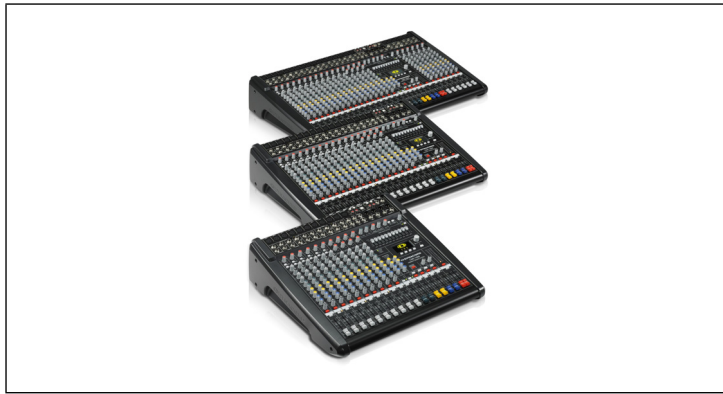




Technische Informationen Engineering Data Sheet

CMS³

COMPACT MIXING SYSTEM

Beschreibung

Die Compact Mixing Systeme CMS 1000-3, CMS 1600-3 und CMS 2200-3 sind professionelle Mischpulte die aufgrund der vielen integrierten Features, wie Equalizer und Effektgeräte, eine optimierte Komplettlösung für unterschiedlichste Einsatzgebiete darstellen. Die CMS-Pulte von DYNACORD können äußerst zeitsparend und einfach aufgebaut werden, da komplizierte Rack-Konfiguration und störanfällige Verkabelung mehrerer Einzelgeräte entfallen. Durch die ergonomische Pultform und die übersichtliche, strukturierte Anordnung der Bedienteile haben Sie immer alles im Blick und können schnell und problemlos auf jedes Bedienelement zugreifen. Auch beim Transport des CMS werden Sie bald seine Vorzüge zu schätzen wissen. Der ergonomisch im Deckel (optional) integrierte Griff sowie das geringe Gewicht erlauben Ihnen einen problemlosen Transport des Gerätes, wobei alle empfindlichen Teile wie Knöpfe und Regler sicher abgedeckt sind. Sollten Sie jedoch Ihr CMS lieber im Rack oder Einbautisch platzieren, kein Problem: die Kunststoffseitenteile können einfach durch Metall-Rackwinkel ersetzt werden. Mit seiner großen Anzahl von Funktionen, der hohen Dynamik, seinem rauscharmen Design, dem 24bit-Dual-Stereo-Effektteil und nicht zuletzt dem 4-Kanal USB 2.0 Audio-Interface ist das CMS universell einsetzbar.

Description

Because of their comprehensive set of integrated features – like equalizer and effects units – the Compact Mixing Systems CMS 1000-3, CMS 1600-3 and CMS 2200-3 are professional mixers offering an optimized all-in-one solution for basically any application. DYNACORD CMS consoles are quickly set up. Complicated rack configuration and interference-prone wiring of several single components cease to apply. The mixer's ergonomic console shape and clearly structured controls provide perfect overview for instant access at all times. Also during the transport you will quickly learn to appreciate the CMS's superiority: recessed handles on the sides, compact dimensions and low weight, plus the sturdy cover (optional) that protects the controls from being damaged. However, if you would rather like to install your CMS 1000-3 in a 19" rack shelf, no problem. The only thing you have to do is to replace the plastic side panels by a pair of metal rack mount ears. Through its multiple functions, its high dynamic capacity, and extremely low-noise design in combination with its 24-bit Dual-Stereo effect unit and the DIGITAL AUDIO INTERFACE, the CMS is best equipped for universal use.

Part Number

CMS 1000-3	10 channel Compact Mixing System (6 x Mic/Line + 4 x Mic/Stereo-Line)	DC-CMS1000-3-UNIV
CMS 1600-3	16 channel Compact Mixing System (12 x Mic/Line + 4 x Mic/Stereo-Line)	DC-CMS1600-3-UNIV
CMS 2200-3	22 channel Compact Mixing System (18 x Mic/Line + 4 x Mic/Stereo-Line)	DC-CMS2200-3-UNIV

Inhalt

1 x CMS
1 x Bedienungsanleitung
1 x Netzkabel (2 Meter)
1 x Garantiekarte mit Sicherheitshinweisen
1 x Installationshinweise für Steinberg Cubase LE
1 x Software Lizenz für Steinberg Cubase LE

Contents

1 x CMS
1 x Owner's manual
1 x Mains cord (2 meters)
1 x Warranty certificate including safety instructions
1 x Instruction card for Steinberg Cubase LE
1 x Software license sheet for Steinberg Cubase LE

Property	CMS 1000	CMS 1600	CMS 2200
Channels (Mono + Stereo)	6 + 4	12 + 4	18 + 4
Auxiliaries (MON, FX, AUX)	2 Pre, 2 Post, 2 Pre/Post switchable		
MIC GAIN (Mono / Stereo)	0 to +60 dB / +10 to +60 dB		
LINE/CD/USB GAIN (Stereo)	-10 to +20 dB		
THD , at 1 kHz, MBW = 80 kHz			
MIC input to Master A L/R outputs, +16 dBu, typical	< 0.005%		
Frequency Response , -3 dB, ref. 1 kHz, any input to any Mixer output	15 Hz to 70 kHz		
Crosstalk , 1 kHz			
Fader and FX/AUX/MON-Send attenuation	> 85 dB		



Property	CMS 1000		CMS 1600	CMS 2200
Channel to Channel	< -80 dB			
CMRR , MIC input, 1 kHz	> 80 dB			
Input Sensitivity , all level controls in max. position				
MIC / LINE (Mono) / LINE (Stereo) / CD (Stereo)	-74 dBu (155 µV) / -54 dBu (1.55 mV) / -34 dBu (15.5 mV) / -34 dBu (15.5 mV)			
Maximum Level , mixing desk				
MIC inputs	+21 dBu			
Mono Line inputs / Stereo Line inputs	+41 dBu / +30 dBu			
All other inputs	+22 dBu			
All other outputs	+22 dBu			
Input Impedances				
MIC / Insert Return	2 kOhms / > 3.3 kOhms			
2Track Return & CD In	10 kOhms			
All other inputs	> 15 kOhms			
Output Impedances				
Phones	47 Ohms			
All other outputs	75 Ohms			
Equivalent Input Noise , MIC input, A-weighted, 150 ohms	-130 dBu			
Noise , Channel inputs to Master A L/R outputs, A-weighted				
Master fader down	-97 dBu			
Master fader 0 dB, Channel fader down	-91 dBu	-89 dBu	-87 dBu	
Master fader 0 dB, Channel fader 0 dB, Channel gain unity	-83 dBu	-82 dBu	-81 dBu	
Equalization				
LO Shelving	±15 dB / 60 Hz			
MID Peaking, mono inputs	±15 dB / 100 Hz to 8 kHz			
MID Peaking, stereo inputs	±12 dB / 2.4 kHz			
HI Shelving	±15 dB / 12 kHz			
Master EQ 11-band (63, 125, 250, 400, 630, 1k, 1.6k, 2.5k, 4k, 6.3k, 12k Hz)	±10 dB / Q = 1.5 to 2.5			
Power Consumption				
without lamp / with lamp	45 W / 50 W	50 W / 55 W	55 W / 60 W	
Filter				
LO-CUT, mono inputs	f = 80 Hz, 18 dB/oct.			
VOICE FILTER, mono inputs	switchable			
FEEDBACK FILTER, MON 1/2	70 Hz to 7 kHz, Notch, -9 dB			
Effects				
Type, effects presets	Dual stereo 24/48-bit multi effects processors, 100 Factory + 20 User, Tap-Delay			
Remote control	Footswitch, MIDI			
Display	128 x 64 pixels, OLED			
Digital Audio Interface				
Channels	4 In / 4 Out			
AD/DA Conversion, Sampling Rate	24-bit, 44.1 / 48 / 88.2 / 96 kHz			
PC Interface	USB2.0, Female Type B			
MIDI Interface	5-pin DIN connector, In / Out			
Protection				
Mixer Outputs (Relay controlled)	MON 1, MON 2, MASTER A			
Switching Mode Power Supply (µC controlled)	Mains Over/Undervoltage, High Temperature			
Phantom Power , switchable in groups	48 V DC			
Power Requirements (SMPS with auto range mains input)	100 V to 240 V AC, 50 Hz to 60 Hz			
Dimensions (W x H x D, without lid), mm	510.5 x 155 x 498.5 Rack-mount: 483.0 x 135.0 x 443.7	663.5 x 155 x 498.5	818.5 x 155.0 x 498.5	
Weight, without lid	9.5 kg (10.5 kg incl. RMK)	12 kg	14.5 kg	
Optional Accessories				
Lid	DC-LID1000	DC-LID1600	-	
Dust Cover for CMS 2200	-	-	DC-SH2200-3	
Rack Mount Kit for CMS 1000	DC-RMK1000CMS	-	-	
Gooseneck Lamp, 12V/5W, 12", XLR 4 pol.	DC-LITLITE-4P			
FS 11 (Footswitch with LED)	DC-FS11			

Device in rated condition, unity gain (MIC gain 20 dB), all faders position 0 dB, all pots in mid position, master fader +6 dB, unless otherwise noted.

