CM1616

16-Channel Professional Digital Mixing Console

Description

This is a kind of multi-functional digital mixer with many advantages such as small size, light weight, full-featured, intuitive and simple operation, friendly human interface. The flagship hardware configuration, using the 4th generation industrial floating-point SHARC processor,24bits/192kHz AD/DA. It has built-in echo, reverberation, mixing, delay, GEQ and more. This product is equipped with a 7-inch high-definition touch screen and 9100mm electric faders, fast and intuitive control, very suitable for all kinds of performance and conference places, schools, intelligent buildings, industrial and mining enterprises and individuals to use.

Features

- 12 channels mono microphone/line channel
- 2 stereo circuit channels
- 1 SPIDFl input/output channel
- 1 AES / EBU output channel
- 8 customizable XLR output ports
- 9 mixing bus (4 AUX bus, 4 GROUP bus, 1 MAIN bus)
- 2 FX bus (effect sending bus)
- 31-band GEQ
- 1 output port for headphones monitoring
- 1 USB port, support USB music playback
- 7 " 1024×600 touch screen
- 9 100mm stroke of electric fenders
- 3 quick mode loading keys
- 1 RS232 port, support central control

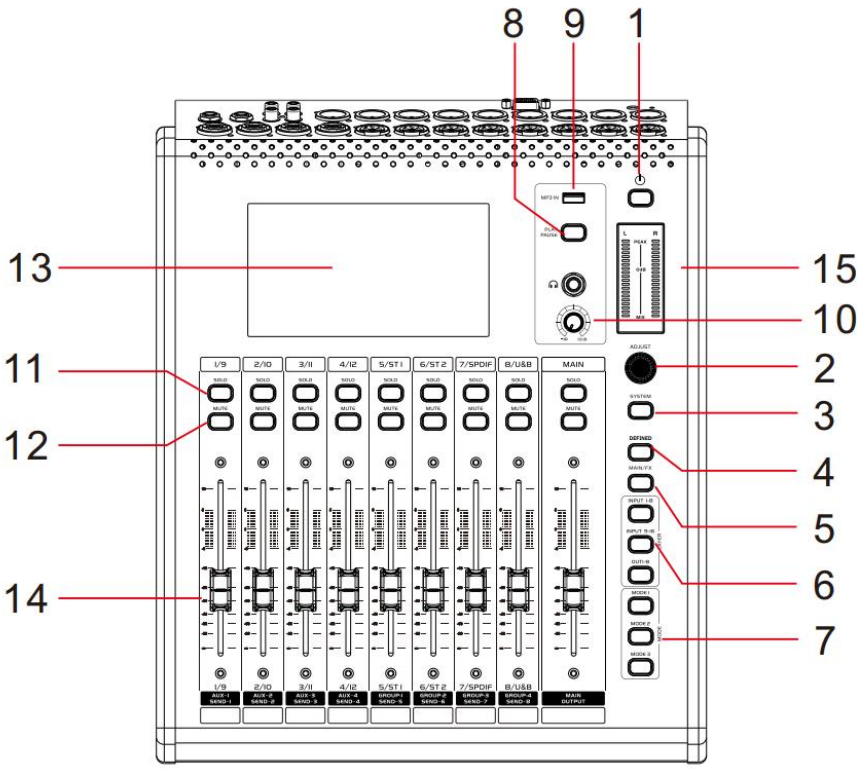
- Support Bluetooth /USB playback, scene save and call

Specifications

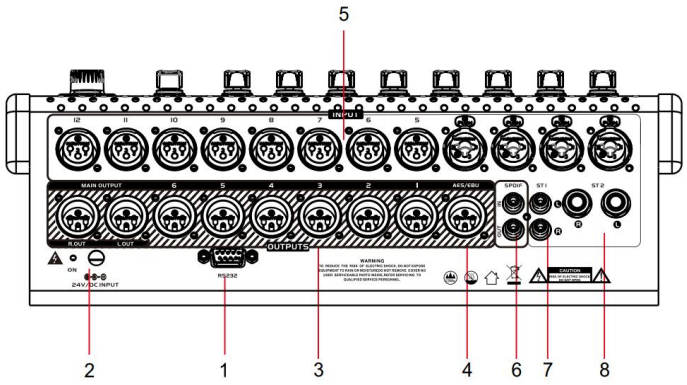
Model	CM1616	
Input	MIC / Line Input	12 Channel Inputs (Balanced) + 2 Groups Stereo
	Mic Input Connector	12 XLR inputs, including 4 COMBO XLR inputs and 2 6.3 Ports + 2 RCA Jack
	Input Impedance	3kΩ
	Frequency Response	20Hz-20kHz (+/-0.5dB)
	Max. Input Level	+15dBu (Balanced)
	THD	＜0.01%@1K dBu
	Phantom Power	+48V (CH-1 to CH-12)
	S/N Ratio	-108dB A-Weighted
	Phase	Normal / Reverse
	Delay	0 to 200msec
EQ	4 Band Equalizer	Frequency Response: 20Hz-20kHz -20dB/+12dB
		Q=0.404 to 28.852
		Low, LowMid, High Mid, High
		Mode: Bypass / Flat
Compressor	Noise Gate	Threshold= -120dB to -20dB
	Compressor	Threshold=-12dB to 24dB
		Attack: 3-100msec
		Release time: 2x, 4x, 6x, 8x, 16x, 32x
		The Compression Ratio: 1.0 to 128
XLR Outputs	Main Outputs (Balanced)	8 Assignable Outputs XLR
		L/R + 4 Mono Bus + 4 Stereo Bus
	THD	0.005% (20Hz-20kHz) <0.01%@1K
	Frequency Response	20Hz-20kHz (+/- 0.5dB)
	Max. Output Level	+15 dBu
	Output Impedance	＜100Ω
Headset	Headphones Output Connector	TRS Jack
	Headphones Output Impedance	＜100Ω
	Max. Output Level	+20dBu
Digital I/O	Digital I/O	Bluetooth Stereo Input, Standard V5.0
		USB Stereo Input, Format: WMA/MP3/APE/FLAC
		SPDIF Input & Output, Frequency 48kHz
		SPDIF Input & Output, Frequency 48kHz
General	Crosstalk	-80dB
	AD/DA Converter	Up to 24 Bit/192kHz
	DSP	40-bit Floating Point Processor
	FX Modules	1×Reverb, 2×Echo, 1×31GEQ
	Screen Resolution	7” Touchscreen, 1024×600
Hardware	Faders	100mm, 9 Faders Full-motorized
	Power Supply	24V DC (AC90-240V 50/60Hz)

Power Consumption	50W
Dimension	Product Dimensions: 350×427×110mm Package Dimensions: 510×420×205mm
Weight	Net Weight: 4.7kg , Gross Weight: 7kg
Included Accessories	Adapter ×1, Power Cord ×1

Front / Rear Panel



1. Power button: long press for 3 seconds to power on, long press for 3 seconds to power off. Press for 1 second to enter the screen lock state, the display will go black, and all physicalkeys and movers are not functional. Press again for 1 second to exit the screen lock function.
2. Parameter adjustment: Used to adjust the selected parameters.
3. System key: enter the System. Click this button to enter the System setting page.
4. Defined key: Press this key to enter the user defined page
5. MAIN/FX key: MASTER bus/effector bus page
6. Layers selection key: includes INPUT1-8, INPUT9-16 and OUT1-8
7. Mode key: MODE1~MODE3 Press the mode key to invoke the mode function for the USER1~USER3 modes of the device
8. Play button: quick Play or pause button. Double-click this button to enter the player sub-page.
9. USB port: Insert the USB with music for USB music playing.
10. Headset: Connect the headset and adjust the volume of the headset.
11. SOLO button: Channel monitoring switch button.
12. MUTE: MUTE the channel.
13. Display: 7 inch touch screen.
14. Channel and bus fader: use high quality 100mm electric fader to control signal level.
15. Output level meter: the non-monitoring status indicates the signal level of the main output, and the monitoring status indicates the signal level of the monitoring channel.



1. RS232: Sends and receives control signals through the standard serial port. The baud rate of the serial port is configured on the system page.
2. Power input: 24V power interface, it must use the factory-mateched power adapter.
3. Output: all are balanced XLR outputs, and the default output ports 1 and 2 are respectively matched to AUX1 and 2 in factory Settings; Output 3 and 4 to AUX 3 and 4; Output 5 and 6 are allocated to group 1; MAIN OUT (output port 7, 8) and SPDIF OUT is matched to MASTER
4. AES/EBU signal output: balanced XLR output, connect and output signals to other amplifier equipment.
5. Input: All are balanced inputs, 12 XLRS, 4 of which are multi-functional COMB Canons, they can be connected to XLR lines or they can use 1/4 "TRS lines to connect audio sources.
6. Coaxial signal input, output interface.
7. ST1 signal input: stereo input signal, lotus interface connected to audio signal source.
8. ST2 signal input: stereo input signal, 6.3 interface to connect audio signal source.