

CM1612

12-Channel Professional Digital Mixing Console



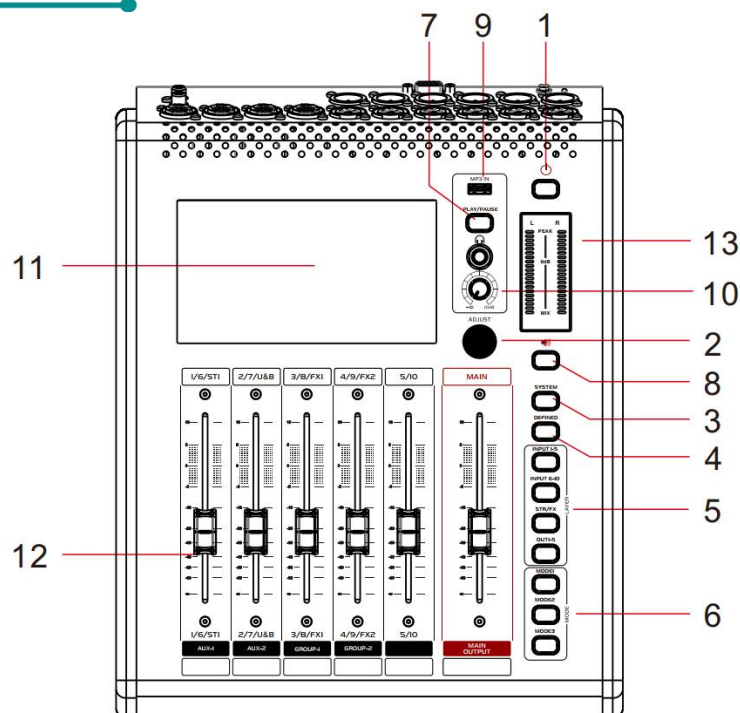
Description

This is a multifunctional digital mixing console, with small size, light weight complete functions, intuitive and simple operation. Using the 4th-generation floating point SHARC processor, 24bits/48KHz AD/DA. It has built-in echo, reverb, mixing, delay, GEQ and more. This product is equipped with 7.1-inch HD touch screen and 6 100mm electric frequency fader. It is suitable for all kinds of small performances, conference places, schools, intelligent buildings, factories and personal use.

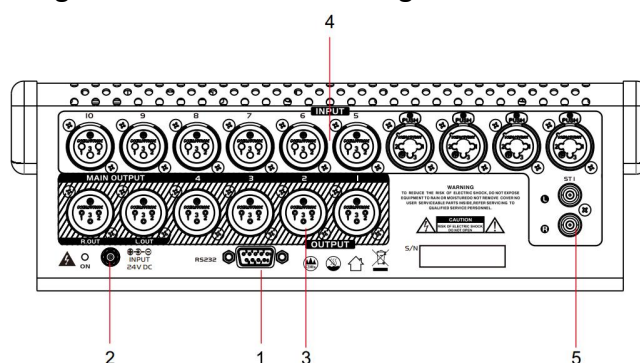
Features

- 10- channel MIC inputs and 2-channel Stereo input
- 1 stereo line channel
- 6 customizable XLR output ports
- 5 mixing bus (2 AUX bus, 2 GROUP bus, 1 MAIN bus)
- 2 FX buses (effect sending bus)
- 31-band GEQ
- 1 headset monitor output port
- 1 USB port, supporting USB music playback
- 7.1-inch 1024×600 touch screen
- 6 electric faders with 100mm stroke
- 3 shortcut mode loading keys
- 1 RS232 port, support central control
- 32 groups of scenes save and load

Model	CM1612	
Input	MIC / Line Input	10 Mono Inputs (Balanced Input) + 1 Stereo Set
	Mic Input Connector	10 XLR inputs, including 4 COMBO XLR inputs and 2 RCA inputs
	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 200ms
EQ	4 Band Equalizer	Frequency Response: 20Hz-20kHz -20dB/+12dB
		Q=0.404 to 28.852
Compressor	Compressor	Low, LowMid, High Mid, High
		Mode: Bypass / Flat
		Threshold= -120dB to -20dB
		Threshold=-12dB to 24dB
		Attack: 3-100msec
XLR Outputs	Main Outputs (Balanced)	Release time: 2x, 4x, 6x, 8x, 16x, 32x
		The Compression Ratio: 1.0 to 128
		6 Assignable Outputs XLR
		L/R +2 Mono Bus + 2 Stereo Bus
		THD
		0.005% (20Hz-20kHz) <0.01%@1K
Headset	Headphones Output Connector	Frequency Response
		20Hz-20kHz (+/- 0.5dB)
		Max. Output Level
		+15 dBu
Digital I/O	Digital I/O	Output Impedance
		<100Ω
		Headphones Output
General	General	TRS Jack
		Headphones Output Impedance
		<50Ω
		Max. Output Level
		+20dBu
		Bluetooth Stereo Input, Standard V5.0
		USB Stereo Input, Format: WMA/MP3/APE/FLAC
		Crosstalk
		-80dB
		AD/DA Converter
Hardware	Hardware	Up to 24 Bit/192kHz
		DSP
		40-bit Floating Point Processor
		FX Modules
		1×Reverb, 2×Echo, 1×31GEQ
		Screen Resolution
		7.1” Touchscreen, 1024×768
		Faders
		100mm, 6 Faders Full-motorized
		Power Supply
		24V DC (AC90-240V 50/60Hz)
		Power Consumption
		50W
		Dimension
		(D×W×H) 372×299×94mm
		Weight
		Net Weight: 3.4kg , Gross Weight: 5.2kg
		Included Accessories
		Standard Configuration: Adapter ×1, Power Cord ×1 Optional: Rack Mounting Accessory ×2



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 physical keys and faders 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 button: enter the System. Press this button to enter the System setting page.
4. DEFINED button: a user-defined button. Press this button to enter the user-defined page.
5. Layers selection button: includes IN 1-5, IN6-10, STR/FX and OUT1-5.
6. Mode buttons: MODE 1- MODE 3 corresponds to the USER 1-USER 3 mode on the device. Press the mode key to load the modes.
7. PLAY/PAUSE: Quick PLAY or PAUSE button. Double-click this button to enter the player sub-page.
8. MUTE: MUTE the channel.
9. USB port: Insert the USB with music for playing.
10. Headset: Connect the headset and adjust the volume of the headset.
11. Display: 7-inch touch screen.
12. Channel and bus fader: use 100mm electric fader to control signal level.
13. 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-matched 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 group 1; Output 5 and 6 are main output interface, connect and output signals to other power amplifier equipment.
4. Input: All are balanced inputs, 10 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.
5. ST1 signal input: stereo input signal, lotus interface connected to audio signal source.