BROADCAST CONSOLES

DM BROADCAST
RADIO & TV TURNKEY SOLUTIONS

▶ DM M8

USB & BLUETOOTH CONSOLE

Broadcast console with USB 🔌 and Bluetooth 🔵 connections for voice messages 🟢 and 2 built-in telephone hybrids 📞. It provide state-of-the-art tools to give professional sound to your Radio.

▶ DM M16

12 MODULES FRAME 16

Fully customizable console designed for both Radio and TV Stations. Suitable for OnAir and production studio with 12 or 24 modules. Connect your mics and line inputs 🎙 and get in touch with your listeners with the built-in telephone hybrid 📞.

▶ DM M24

12 MODULES FRAME 24

DM M8

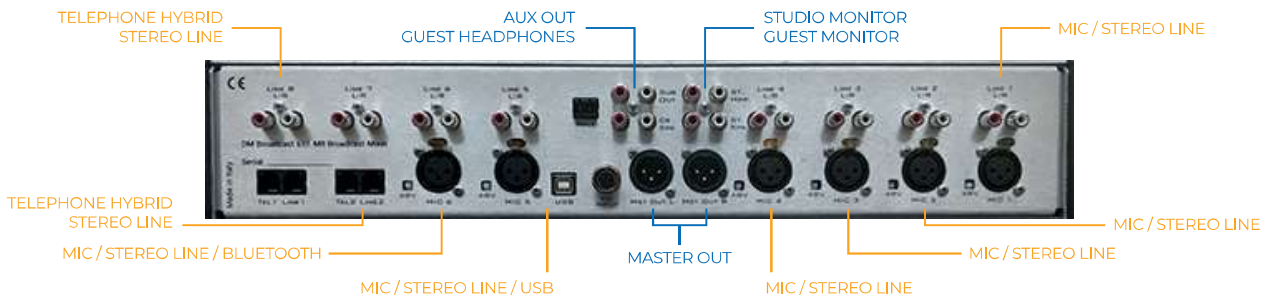The new compact audio console is a very versatile broadcast mixer suitable for on-air and production studios and designed for all type of radio environment. The M8 console comes as a unique and ready to use piece of hardware including all major functions such USB, Bluetooth and 2 Telephone Hybrids.

This compact console features also the Talk Back, Control Room Mute and On-Air controls.

DM M8 integrates high quality components and 100% made in Italy.

FRONT PANEL
SPEAKER HEADPHONES

INPUT **OUTPUT**

TELEPHONE HYBRID STEREO LINE

AUX OUT GUEST HEADPHONES

STUDIO MONITOR GUEST MONITOR

MIC / STEREO LINE

TELEPHONE HYBRID STEREO LINE

MIC / STEREO LINE / BLUETOOTH

MIC / STEREO LINE / USB

MASTER OUT

MIC / STEREO LINE

MIC / STEREO LINE

MIC / STEREO LINE

MIC / STEREO LINE

STEREO INPUT MIC/LINE

LINE (Source Selector) Button to choose the input signal of the channel.

GAIN Adjust the incoming signal level on the channel input.

HIGH Adjust high frequences.

MID Adjust mid frequences (KHz and dB).

LOW Adjust low frequences.

PAN L/R Allows adjustments between the left and the right channel output.

OUT BUS Selection Output BUS Selection.

PFL Button Switch for the pre-listening function.
ON Button Channel ON / OFF Switch.

FADER The linear fader controls the module's overall level. The fader knob position is electronically sensed when the fader is open and generates (when programmed with jumpers) the start for remotely connected devices.

STEREO INPUT LINE/USB

LINE (Source Selector) Button to choose the input signal of the channel.

GAIN Adjust the incoming signal level on the channel input.

HIGH Adjust high frequences.

MID Adjust mid frequences (KHz and dB).

LOW Adjust low frequences.

PAN L/R Allows adjustments between the left and the right channel output.

OUT BUS Selection Output BUS Selection.

PFL Button Switch for the pre-listening function.
ON Button Channel ON / OFF Switch.

FADER The linear fader controls the module's overall level. The fader knob position is electronically sensed when the fader is open and generates (when programmed with jumpers) the start for remotely connected devices.

STEREO INPUT LINE/BT

LINE (Source Selector) Button to choose the input signal of the channel.

GAIN Adjust the incoming signal level on the channel input.

HIGH Adjust high frequences.

MID Adjust mid frequences (KHz and dB).

LOW Adjust low frequences.

PAN L/R Allows adjustments between the left and the right channel output.

OUT BUS Selection Output BUS Selection.

PFL Button Switch for the pre-listening function.
ON Button Channel ON / OFF Switch.

FADER The linear fader controls the module's overall level. The fader knob position is electronically sensed when the fader is open and generates (when programmed with jumpers) the start for remotely connected devices.

TELEPHONE HYBRID

LINE (Source Selector) Button to choose the input signal of the channel.

GAIN Adjust the incoming signal level on the channel input.

HOOK Switch to send the telephone call from the telephone set into the mixer.

SEND Adjust the SEND level.

RECEIVE Adjust the RECEIVE signal.

PAN L/R Allows adjustments between the left and the right channel output.

OUT BUS Selection Output BUS Selection.

PFL Button Switch for the pre-listening function.
ON Button Channel ON / OFF Switch.

FADER The linear fader controls the module's overall level. The fader knob position is electronically sensed when the fader is open and generates (when programmed with jumpers) the start for remotely connected devices.

DM Broadcast Mixer Console may be configured according to costumer requirements, 12 modules frame 16 (M16) ore 12 modules frame 24 (M24) offer endless possibilities of configuration. The master module offers 4 outputs, 1 Jack and 3 balanced signal distribution. Outputs dedicated to recording or production won't interfere with direct broadcast thanks to Mixer's AUX modules. Each module has balanced inputs, EQ, gain and balance. High-precision LED meters allow optimum control of output levels and cueing.
Modules configuration can be as follows:

MIC / LINE

Balanced outputs on XLR, insert in for microphone processors, parametric tone control, channel assignment to PGM-AUX1-AUX2-REC outputs, Fader Start, signal lights, control room and control studio management.

LINE / LINE

Balanced outputs on XLR, tone control (high/medium/low) channel assignment to PGM-AUX1-AUX2-REC outputs, Fader Start, balanced IN 2 on Jack.

TELEPHONE HYBRID

INTEGRATED, high-quality audio with balanced IN/OUT, SEND ADJ and Reception level, private function with microphones master module, channel assignment PGM-AUX1-AUX2-REC.

TELCO

Balanced outputs on XLR, tone control (high/medium/low) channel assignment to PGM-AUX1-AUX2-REC outputs, Fader Start, balanced IN 2 on Jack.
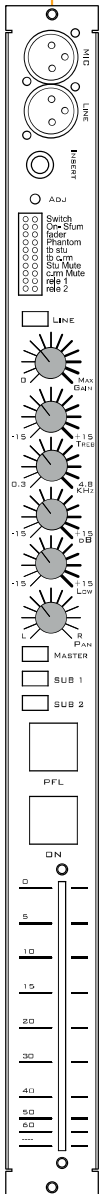
DM M16 ◀

12 modules frame 16

▶ DM M24

12 modules frame 24

MONO INPUT MODULE (MIC / LINE)

MIC Input (XLR F) Microphone Input, phantom power available by jumpes setting. (Pin 1: ground; Pin 2: In phase; Pin 3: Out of phase)

LINE (Mono) Input (XLR F) Mono Line Input with XLR connector. (Pin 1: ground; Pin 2: In phase; Pin 3: Put of phase).

Insert (JACK F) Input with JACK 1/4". (Pin 1: ground; Pin 2: In phase; Pin 3: Out of phase).

ADJ Screw for gain adjust.

Jumper Section It's possible able or disable the channel functions by this jumpers.

LINE (Source Selector) Button to choose the input signal of the channel (Mic or Line).

GAIN Adjust the incoming signal level on the channel input.

HIGH Adjust high frequences.

MID Adjust mid frequences (KHz and dB).

LOW Adjust low frequences .

PAN L/R Allows adjustment between the left and the right channel output.

**OUT BUS** Output BUS Selection (Master, SUB 1, SUB 2).

PFL Button Switch for the pre-listening function.

ON Button Channel ON / OFF Switch.

FADER
The linear fader controls the module's overall level. The fader knob position is electronically sensed when the fader is open and generates (when programmed with jumpers) the start for remotely connected devices.

STEREO INPUT MODULE (LINE / LINE)
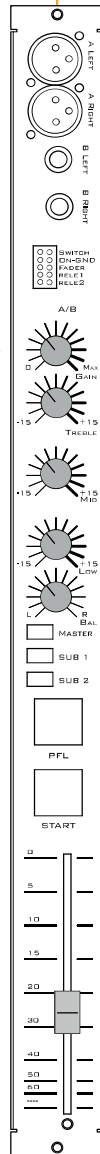
Input A (2x XLR F) Stereo Input A, with 2 XLR. (Pin 1: ground; Pin 2: In phase; Pin 3: Out of phase).

Input B (2x Jack 1/4") Stereo Input B, with Jack 1/4". (Pin 1: ground; Pin 2: In phase; Pin 3: Out of phase).

Jumper Section It's possible able or disable the channel functions by this jumpers.

A/B (Source Selector) Button to choose the input signal of the channel (Inout A or Input B).

GAIN Adjust the incoming signal level on the channel input.

HIGH Adjust high frequences.

MID Adjust mid frequences (KHz and dB).

LOW Adjust low frequences.

PAN L/R Allows adjustments between the left and the right channel output.

OUT BUS Selection Output BUS Selection (Master, SUB 1, SUB 2).

PFL Button Switch for the pre-listening function.

ON Button Channel ON / OFF Switch.

FADER
The linear fader controls the module's overall level. The fader knob position is electronically sensed when the fader is open and generates (when programmed with jumpers) the start for remotely connected devices.

TELEPHONE HYBRID MODULE
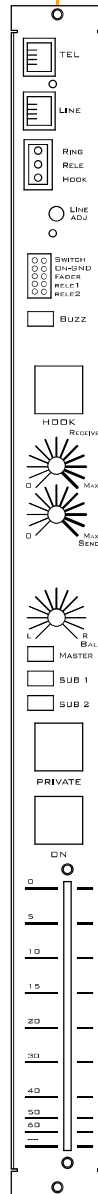
TEL (RJ11) Telephone Setconnection.

LINE (RJ11) Telephone Line Connection.

Euro-Block Connector Relay to control an external Signaling Source for the Incoming Calls.

Line Adj Screw for tha gain adjust.

Jumper Section It's possible able or disable the channel functions by this jumpers.

BUZZ If pressed it activates the ring inside the Telco Module.

HOOK Switch to send the telephone call from the telephone set into the mixer.

RECEIVE Adjust the RECEIVE signal.

SEND Adjust the SEND level.

PAN L/R Allows adjustments between the left and the right channel output.

**OUT BUS Selection** Output BUS Selection (Master, SUB 1, SUB 2).

PRIVATE Button Switch for the pre-listening function.

ON Button Channel ON / OFF Switch.

FADER
The linear fader controls the module's overall level. The fader knob position is electronically sensed when the fader is open and generates (when programmed with jumpers) the start for remotely connected devices.

OUTPUT MODULE MASTER
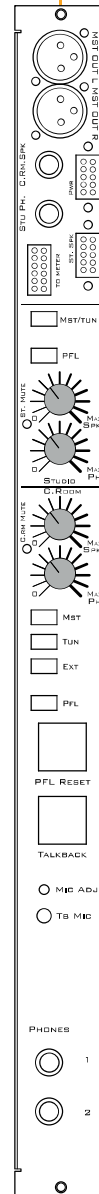
MST OUT (2x XLR M) Main Output of the mixer with 2 XLR. (Pin 1: ground; Pin 2: In Phase; Pin 3: Out of phase).

CRm. Spk. (JACK 1/4") Output for audio monitor of control room with JACK 1/4". (Pin 1: ground+Out of phase; Pin 2: Phase 1; Pin 3: Phase 2).

Stu Ph. (JACK) Output for headphones of Guests. (Pin 1: ground+Out of phase; Pin 2: Phase 1; Pin 3: Phase 2).

PWR Power connector of the mixer.

St. SPK Audio monitor for guest Output with 15 pin connector.

to meter Connected to the meters on the front panel of the mixer.

MST/TUN Source selector (Master or Tuner) for the headphones and the audio monitors for the guests.

PLF Source selector (Pre-listening) for the headphones and the audio monitor for the guests.

St. Mute LED signal for monitoring the Mute functions of the audio monitors in the guest side when using microphones.

C.rm. Mute LED signal for monitoring the Mute functions of the audio monitors in the control roomwhen using microphones.

Studio SPK Adjust the Audio monitor level on the guest side.

Studio PH Adjust the Headphones level on the guest side.

C.Room SPK Adjust the Audio monitor level on the control room.

C.Room PH Adjust the Headphones level on the control room.

Mst, Tun, Ext, PFL Switches to set which source monitoring on the control room speakers.

PFL Reset Reset all of the "PFL Switches" activates in the input channels.

Talkback Switch to activate the "Talk Back" function from the control room to the guest headphones.

Mic Adj Screw to adjust the microphones level during the Talk Back.

Phone 1 e 2 Headphones Output for the control room.

		M8 Audio Mixer	M16 M24 Audio Mixer
POWER SUPPLY	Input	110-230 VAC @ 50/60 Hz	110-230 VAC @ 50/60 Hz
	Output	24 VDC	15 VDC
	Phantom power	48 VDC	48 VDC
MIC INPUT	Connector	XLR Balanced - EMI Suppressed	XLR Balanced
	Input impedance	> 1,5 Kohm	> 1,5 Kohm
	Input level	0dBu - OVL advise @ 3 dBu - Clipping @15dBu	0dBu
	Frequency response	15Hz - 30Khz @ 0dBu input	15Hz - 30Khz @ 0dBu input
	Noise	< -90 dB @ 1 Khz	< -90 dB @ 1 Khz
	Crosstalk L/R	< -65 dB @ 1 Khz	< -65 dB @ 1 Khz
	THD+N	< -80 dB @1 Khz	< -80 dB @1 Khz
LINE INPUT	Connector	RCA Unbalanced - EMI Suppressed	LINE A: 2x XLR Balanced / LINE B: 2x JACK 6,3mm
	Input impedance	10 Kohm	10 Kohm
	Input level	0dBu - OVL advise @ 3 dBu - Clipping @15dBu	0dBu
	Frequency response	15Hz - 30Khz @ 0dBu input	15Hz - 30Khz @ 0dBu input
	Noise	< -90 dB @ 1 Khz	< -85 dB @ 1 Khz
	Crosstalk L/R	< -65 dB @ 1 Khz	< -60 dB @ 1 Khz
	THD+N	< -80 dB @1 Khz	< -75 dB @1 Khz
USB INPUT	Connector	USB Type B - EMI Suppressed	-
	Windows driver	not required	-
	Mac OS driver	not required	-
	Sample rate	48 Khz	-
	Resolution	16 bit stereo	-
	Channel	1 channel input	-
BLUETOOTH	Pairing name	DM M8	-
	Password	not required	-
	N° device associable	5	-
	Channel	1 channel input	-
TELEPHONE INPUT	Connector	RJ11	RJ11
	Frequency response	15Hz - 30Khz @ 0dBu input	25Hz - 20Khz @ 0dBu input
	Noise	< -90 dB @ 1 Khz	< -80 dB @ 1 Khz
	Crosstalk L/R	< -65 dB @ 1 Khz	< -55 dB @ 1 Khz
	THD+N	< -80 dB @1 Khz	< -70 dB @1 Khz
MASTER OUTPUT	Connector	2x XLR Balanced - EMI Suppressed	2x XLR Balanced
	Output impedance	500 Ohm	50 Ohm
	Nominal Out level	0 dbu @ center gain	0 dbu @ center gain
	Max Out Gain	+ 12 dB	+ 18 dB
	Noise	< -90 dB @ 1 Khz	< -85 dB
	Crosstalk L/R	< -65 dB @ 1 Khz	< -58 dB, 1 kHz
	THD+N	< -80 dB @1 Khz	< -70 dB, 1 kHz
AUX/SUB MONITOR OUTPUT	Connector	RCA Unbalanced - EMI Suppressed	2x XLR Balanced
	Output impedance	500 Ohm	50 Ohm
	Nominal Out level	0 dbu @ center knob	0 dbu @ center gain
	Gain adjust	+/- 12 dBu	+ 18 dB
	Noise	< -90 dB @ 1 Khz	< -85 dB
	Crosstalk L/R	< -65 dB @ 1 Khz	< -58 dB, 1 kHz
	THD+N	< -80 dB @1 Khz	< -73 dB, 1 kHz
SYSTEM	Display	4,0" TFT 480x320	-
	Cpu	Cortex A9 - 667 Mhz - 1Gb Ram	-
	Electronic technology	SMD + FPGA	-
	Operative Temperature	0 °C - 60 °C	0 °C - 60 °C
	Dimension	485x350x90 (WxDxH)	950x570x180 (WxDxH)
	Weight	5,4 Kg	16 Kg