



New Fully Modular Digital Console

ACUO MB

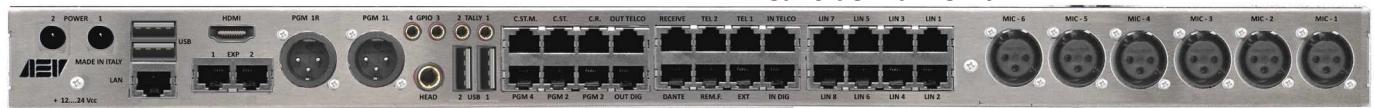


ACUO MB - Features:

- Modular configuration: 8 / 12 / 16 faders
- 6 balanced mono Microphone input with phantom power with XLR connectors
- 8 balanced stereo lines with RJ-45 connectors
- 2 Digital AES/EBU stereo inputs
- Dante™ AoIP I/O (optional)
- 2 internal USB Audio Boards
- 2 Telephone opto-coupled hybrid internally integrated with TELCO function
- All Balanced inputs and outputs
- Digital AES/EBU input & output
- Digital setup and setting Mixer
- 8 faders with A/B input control 2 direct routing buttons on each channel.
- Led meter display for External input switchable with PFL
- 8 x 100 mm ALPS Sliders
- START/STOP key for all channels
- Digital Four band tone control all inputs channels
- Two Telephone/Telco opto-coupled hybrid internally integrated with TEL SET assignable, Bluethooth channel on TEL/TELCO 2
- Headphone output monitoring
- Control Room and Studio functions with monitor mode selector
- Control Room out with mute logic
- 2 internal USB Audio Board for extra versatility connection
- Output opto-coupled ON AIR command
- GPIO - Totally shielded bus
- Digital TFT display 8" for monitoring & setup functions, optionally available LCD 10"
- Four Digital stereo led meters showing the Master stereo levels: **PGM1, PGM2, PGM3 PGM4**
- automatically CUE switch for Pre-Listening function for each channel, including the Tel/Telco channels
- Digital Timer UP/DOWN
- Remote Fader / Talkback Unit to fully talkback function between Studio Room and Control Room
- Remote Fader Talk back Studio Unit easy connectivity with ethernet cable and RJ45 connectors.
- External HDMI output for external display
- Configurable control monitoring, paging, CUE, headphones and vu-meters for all system signals.
- Silent ventilation of all elements through natural convection.
- Talkback function assignable to any microphone. 4 pre-configured talkback destinations plus a choice of further talkback destinations via soft-keys.
- 2 integrated headphone outputs.
- 4 precision stereo vu-meters.
- Test tone generator.
- External system time clock synch, timer and stopwatch.
- Optional redundant power supply.
- Cough mute, ON-AIR signalling for studio and control, fader start, remote PFL, talkback...
- Memory banks – storage of all signal settings: one "default" and up to xx user-defined configurations.
- Auto start with the last settings made.
- Input signals assignable to control channels.
- Pre-/Post-Fader routing option.
- Flexible configuration of N-1 or clean-feed outputs.
- Internal sampling frequency 48kHz at 24bits
- Gain control (digital and analogue input and output signals at line level): ± 12 dB, including hidden signals.
- Audio processing capability for all microphone
- Audio effects available: 4-band parametric EQ, high-pass and low-pass filters, compressor/limiter and noise gate.
- Main surface with 8 faders, LCD display, all-in-one unit
- Expansion inputs surface: 4 faders single channel
- Hardware channels update; up to eight additional fader/channels with two expansion units
- Easy connection additional expansion units with ethernet cable to Main Unit



Rear Side Main Unit



TECHNICAL SPECIFICATIONS

Microphone Inputs

Input configuration Electronically balanced
 Sensitivity Level Range Adjustable from -70 ÷ -40 dBu
 Input Level Range +24 dBu (Digital adj. step 0,5 dB)
 Maximum Input Level 0 dBu
 Phantom Supply 48 Vdc selectable
 100 mm Fader VCA Digital controlled
 Connector XLR Female

Line Inputs & External Input

Input configuration Electronically balanced
 Total Frequency response +0.5 dB (20 Hz - 20 kHz)
 Harmonic Distortion + Noise 0,02%
 Input Impedance 10 K Ω
 Analog Input Level +4 dBu
 Headroom + 18 dBu
 100 mm Fader control VCA Digital controlled
 Connector RJ-45

Digital inputs

Input configuration AES/EBU, IEC958,S/PDIF & EIAJ CP340/1201
 Sample Rate Automatic 32, 44.1, 48, KHz converter
 100 mm Fader control VCA Digital controlled
 Connector RJ-45

Dante™ AoIP I/O (optional)

Dante Audio over IP, AES67 RTP, SMPTE ST2110-30
 Sample Rate 44.1/48/96 KHz

Telephone Hybrid / Telco

Input configuration Opto-coupled
 Input impedance 600 Ω Bal
 Line Compensation Automatically (max 5 Km)
 Tx Level +/-12 dBu (Digital adj. step 0,5 dB)
 Rx Level Range -12/+24 dBu (Digital adj. step 0,5 dB)
 Frequency response: 300 Hz ÷ 3400 Hz (-1.5 dB)
 Distortion < 1.0 %
 Noise -60 dB.

Analog Outputs

Output configuration Electronically balanced
 Maximum Output level +24 dBu
 Crosstalk -90 dBu
 Output Impedance 100 Ω balanced / 50 Ω unbalanced
 PGM 1 Output Level Range -12 ÷ +24 dBu
 Connector XLR male
 PGM 2/3/4 Output Level Range -12 ÷ +24 dBu
 Connector RJ-45
 C Room Mut. Output Lev. - 12 ÷ +24 dBu
 Connector RJ-45

Digital Outputs

Output configuration AES/EBU, IEC958,S/PDIF & EIAJ CP340/1201
 The two digital outputs can be associated with all outputs
 Sample Rate 32, 44.1, 48 KHz converter
 Connector RJ-45

Headphones

configuration Type Stereo unbalanced (C.Room no Muted)
 Output Impedance 50 Ω
 Connector Jack TRS female 6,3 mm

Logic I/O

Configuration Optic solid state relay
 Two input-4 outputs
 Max Voltage 50 Vdc/ac
 Max Current 100 mA
 Connector mini-jack 3,5 mm female
 USB Port 2 x USB 2.0 interface
 PWS Switching power supply 87-240 VAC, 50/60 Hz 60 W, output voltage range 10-28 Volt
 Redundant PWS available

Dimensions Mainframe

600 x 360 x 44 mm (L x D x H)