

ALCHEMIX 602UFX

10-CHANNEL HIGH QUALITY MIXER WITH 24-BIT DIGITAL MULTI-EFFECT & USB STEREO IN/OUT SOUND CARD

AlcheMix mixer series has been designed to meet the requests of musicians and entertainment operators who need reliable and professional instruments for live shows, rehearsal rooms, schools, home recording, etc. The architecture of these 2-Bus mixers includes 2 subgroups, 2 AUX sends (one with Pre/Post-Fader selection; one Pre-Fader operation). All channels feature 3-band EQ, MUTE, AFL, Group and main assignments. A 7-band graphic EQ on the main outputs with precision filters, and a 48 kHz / 24-bit Digital Effect complete the set of tools of these mixers. The Digital Effect features 16 of the most used presets (Hall-Room-Plate reverb, Delay-Echo, and allow to customize one parameter through the Tap-Tempo button. The line consists of 4 models: AlcheMix 402FX, 402UFX, 602UFX and 802UFX with 4, 6 and 8 noiseless Mic/Line preamps. The 402-602-802UFX also feature a 2-In/2-Out USB Stereo Sound Card for recording/playback on PC/Mac at up to 96kHz/24-bit.

ALCHEMIX 602UFX

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PRODUCT DETAILS

KEY FEATURES

10 Total Channels

6 Mic/Line channels with wide-range gain noiseless preamps, XLR and balanced ¼" Jack connectors, 75Hz Low-Cut filter, +48V Phantom Power, Signal/Peak Indicator

2 Stereo Line Channels with balanced ¼" Jack inputs, with gain and Peak Indicator

3-Band EQ, Pan/Balance, Mute, PFL, Group 1-2, Main L-R, 60mm Volume Fader

2 AUX sends (1 with Pre/Post selection for internal DFX or AUX1 Out; 1 Pre-Fader for AUX2 Out) with channel/master level, AFL, and ¼" Jack outputs

Effect/AUX Return control with 60mm Fader, Mute, AFL, Group1-2, L-R assignment, and balanced ¼" Jack inputs

Group 1-2 XLR outputs with 60mm Fader, Mute, AFL, Master Left and Right assignment

7-Band Graphic EQ on Master Bus with precision filters

24-bit/48kHz 16-Preset Digital Effect with Footswitch Out, TAP-Tempo Button and up to 2 Adjustable Parameters for each Preset

USB Stereo In/Out Sound Card with up to 96kHz/24-bit recording/playback capability

2-Track In/Out RCA connections and Level control

Headphones ¼" Stereo Jack Out with Level control

XLR Main Outputs with 60mm Fader Control and MUTE

Stereo 12-Led VU Meter Bar for Main, PFL/AFL monitoring

Stereo ¼" Jack Monitor Output

Rugged and Lightweight Metal Case

SPECIFICATIONS

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SOUNDCARD

Configuration	6 Mic/Line + 2 Stereo
Nominal Gain (Mic/Line/Stereo Line)	60dB, 40dB, 20dB
Max Gain (Mic/Line/Stereo Line)	80dB, 60dB, 40dB
Mic Input Sensitivity (Gain Min/Gain Max)	-10dBu/-60dBu
Line Input Sensitivity (Gain Min/Gain Max)	+10dBu/-40dBu
Stereo Line Input Sensitivity (Gain Min/Gain Max)	+10dBu/-20dBu
Aux Return Input Sensitivity	0dBu / 2-Track Input Sensitivity
Mic/Line Max Input Level	+24dB
Stereo Line/Aux/2-Track Max Input Level	+20dB
Mic Input Impedance	2kohm Balanced
Line/Aux Input Impedance	20kohm (Balanced)/10kohm (Unbalanced)
Tape Record Inputs Impedance	10kohm Balanced
Main/Group/Monitor/Aux Send Output Levels	0dBu (0.775V RMS) Nominal/ +22dBu (10V RMS) Max
Record Out Output Levels	-2dB (600mv RMS)/ +22dBu (10V RMS) Max
Main/Group/Monitor/Aux Send Output Impedance	75ohm
Record Output Impedance	1kohm
Phones Output Impedance	33ohm min
Frequency Response	20Hz to 20kHz (+0/-2dB)
Total Harmonic Distortion / Signal-Noise Ratio<0.006% / < -85dB	
Mono MIC (Treble/Mid/Bass)	±15dB (12kHz HF / 2.5 kHz MF/60Hz LF)
Stereo Line (Treble/Mid/Bass)	±15dB (12kHz HF / 2.5 KHz MF/80Hz LF)
Effect	16 Effects, 24-bit Sigma-Delta, 256-times oversampling, 48kHz sampling rate
USB I/O Soundcard	Up to 24-bit/96kHz Stereo Input/Output Streaming, USB Class-2.0 compliant
Phantom Power	+48V