

PIONEER

MA-62

High-performance six-channel mixing amplifier for discotheques, disc jockeys and small studios.



The MA-62 is a 6-channel-input mic/line/phono stereo mixing amplifier for use when professional-quality multi-channel mixing is required. It accepts up to six low-impedance, high-quality microphones and features two pairs of stereo outputs. Two of the six individually-controlled input channels in the MA-62 accept phono signals as well as microphone inputs, while the remaining four are circuited for line or microphone use. This convenient arrangement means you can obtain a correctly-balanced stereo or mono mixture of mic/line, mic/phono or even phono/line plus mic without changing input jack connections. Special PAN-POT (Panoramic Potentiometer) controls are pro-

vided on Channel 3 and Channel 4 to permit cross-channel panning. Position selectors are provided on Channel 1, 2, 5 and 6 so that any or all can be switched to Left, Right, Left/Right (Center) output. Microphone attenuators (-20dB) for all mic inputs, microphone low-cut filters (switched for each channel) plus a master output level fader, stereo headphone monitor jack and other useful features are included. The MA-62 is Pioneer's answer to the demands of discotheques, disc jockeys, small studios and amateur audio engineers for a versatile mixer of professional quality.

 **PIONEER**

MA-62

SIX INPUT CHANNELS

The Pioneer MA-62 mixer provides input facilities for up to six microphones. For extra versatility, each of these channels offers an alternative terminal for LINE or PHONO inputs. (Specifically, Channels 1 and 2 accept PHONO inputs; Channels 3 through 6 accept LINE inputs such as tape, tuner, etc.) Each of the six channels is provided with a control-panel switch to allow you instant selection of input source without changing jack-panel connections.

PROFESSIONAL PAN-POT CHANNEL LOCATION

Two of the six individually-controlled input channels are equipped with simple-to-use panoramic potentiometers (pan pots). These continuously-variable rotary pots (on Channel 3 and 4) allow free sound localization from left to right (or anywhere in between). All other channels (Channels 1, 2, 5 and 6) are equipped with location switches so that you can select Left, Right or Left/Right (Center) output individually.

MIC ATTENUATORS (-20dB)

Each of the six channels is provided with a switched microphone attenuator to instantly reduce signal strength by 20dB. This feature is useful in preventing saturation (clipping distortion) of microphone input signals.

LOW-CUT FILTERS

Each of the six channels is also provided with a switched low-cut filter circuit for microphone input. These are useful to suppress undesirable low frequencies or "muddy" human voices.

DESIGNED FOR PRACTICAL USE

The Pioneer MA-62 is entirely portable, operates from any AC power supply system and is engineered so that it adds absolutely no unwanted distortion or coloration to the sounds you channel through it. Its wide dynamic range and stability are totally reliable. Extra features include two stereo output terminals, pointer-index markers for each of the six long-throw faders (plus master volume fader), a "scratch board" strip for jotting down reminders and a monitor jack for stereo headphones.



SPECIFICATIONS

Semiconductors:	ICs: 2, Transistors: 22, Diodes: 3
Inputs	
CH. 1, 2:	MIC/PHONO (switchable)
CH. 3, 4, 5, 6:	MIC/LINE (switchable)
Output Selection	
CH. 1, 2, 5, 6:	L, L&R, R (switchable)
CH. 3, 4:	L to R (continuously-variable) by pan-pots
Input Sensitivity/Impedance	
MIC:	0.25mV/47 Kohms
PHONO:	2.5mV/50 Kohms
LINE:	50mV/50 Kohms
MIC Attenuator:	0dB, -20dB (switchable)
MIC Overload Level:	250mV (rms, at attenuator -20dB)
PHONO Overload Level:	250mV (rms, at 1KHz)
Outputs:	Stereo x 2 (parallel)
Rated Output Level:	330mV
Harmonic Distortion:	Less than 0.2% (at 1V output)
Maximum Output:	5V (T.H.D.=0.5%, 50 Kohms load)
Channel Separation:	More than 70dB (at 1KHz)
Crosstalk:	More than 70dB (at 1KHz)

Frequency Response	
MIC:	20Hz to 15KHz (+0dB, -3dB)
PHONO:	RIAA equalization: ± 0.5 dB
LINE:	20Hz to 25KHz (+0dB, -1dB)
MIC Low-Cut Filter:	$f_c = 200$ Hz (6dB/oct.)
Channel Interference:	Less than 1dB
Residual Hum & Noise:	Less than 0.05mV
Signal-to-Noise Ratio:	(IHF, short-circuited, A network)
MIC:	52dB
PHONO:	60dB
LINE:	67dB
Headphone Output:	260mV (maximum, 8 ohms)
Power Requirements:	110, 120, 130, 220, 240V (switchable) 50-60Hz
Power Consumption:	11 watts (max.)
Dimensions:	400(W) x 132(H) x 264(D) mm 15-3/4(W) x 5-3/16(H) x 10-13/32(D) inches
Weight:	Without package: 5.8kg/12lb. 12 oz. With package: 7.3kg/16lb. 1 oz.

NOTE: Specifications and design subject to possible modification without notice.

 **PIONEER**

PIONEER ELECTRONIC CORPORATION 4-1, 1-chome, Meguro, Meguro-ku, Tokyo 153, Japan
U.S. PIONEER ELECTRONICS CORPORATION 75 Oxford Drive, Morristown, New Jersey 07071, U.S.A.
PIONEER ELECTRONIC (EUROPE) NV Mer-Center, Mer 21, 2000 Antwerp, Belgium
PIONEER ELECTRONICS AUSTRALIA PTY. LTD / 256-8 City Road, South Melbourne, Victoria 3205, Australia