

KAM AUDIO PRO 1500

PROFESSIONAL AUDIO MIXER

OVERVIEW

The KAM AUDIO PRO 1500 mixer is designed to give the DANCE DJ, MOBILE DJ, KARAOKE ARTIST, PUBLIC HOUSE AND SMALL CLUB INSTALLATION maximum flexibility and features for minimum cost. This mixer combines all the features required while maintaining a high level of build quality and specification.

INPUTS

KAP1500 is an 11 input mixer. All the music channels have two separate inputs being a combination of Line/Phono or Line/Line. The unit also features three dedicated microphone channels with combination JACK and XLR inputs, 3 band eq and separate override facility. The three microphone channels have jack inputs on the rear panel and combination sockets on the front panel. Care should be taken when connecting to the mixer that the correct connections are made. Connecting a CD player to the Phono input or a turntable to the Line input can cause damage to the unit. When connecting a turntable to the Phono input always use the signal earth cable from the turntable to the ground point on the mixer. NOTE: always use shielded signal cables to reduce hum and background noise. The unit should always be switched off when connecting cables.

OUTPUTS

The unit has four outputs on the rear 2 x Master (1 x balanced + 1 x unbalanced), 1 x Record and 1 x Booth. These can be connected to either an external amplifier or tape deck. Care should be taken not to distort the output signals (above 0dB on the meters) as this could cause damage to the external equipment.

MASTER / BOOTH OUTPUT CONTROL

These control the overall output from the mixer, from the master output to the PA System and from the booth output to the monitor speaker amplification. NOTE: care should be taken not to produce distortion with these controls as this could result in damage to both the unit and any external equipment connected.

MASTER ATTENUATION

The master attenuation control on the rear panel controls the overall output level of this mixer. It is used to adjust the output level of the mixer to protect the input stage of the amplification. NOTE: Please check the position of the master attenuation if you are receiving low output levels from this mixer.

LED DISPLAYS

The unit has three LED displays: Left output, Right output and PFL. The left and right output display shows the signal level at the master output and the PFL section shows the combined level of the headphone output.

GAIN CONTROLS

Each of the music channels has a rotary gain control. The gain control adjusts the input level allowing the user to reduce or increase the sound level to compensate for quiet recordings. NOTE: care should be taken not to produce distortion with these controls.

TONE CONTROLS

Each channel has dedicated Bass, Mid and Top controls which can be used to cut or boost specific frequencies. NOTE: Care should be taken not to distort the output signal using these controls.

KAM KILL CUT

With so many different genres of music the design team at KAM felt that all our mixers should have a more than adequate control over the tone or eq of each audio channel. The Kill Cut feature allows the user to completely remove specific frequencies from individual channels.

CHANNEL SELECTORS

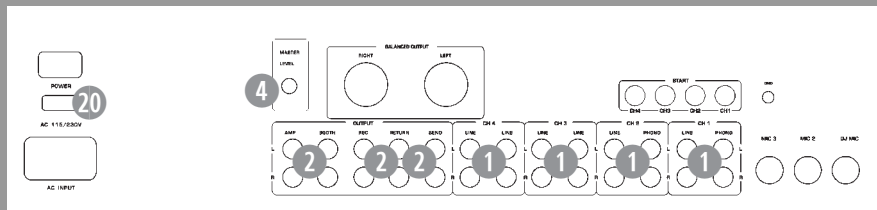
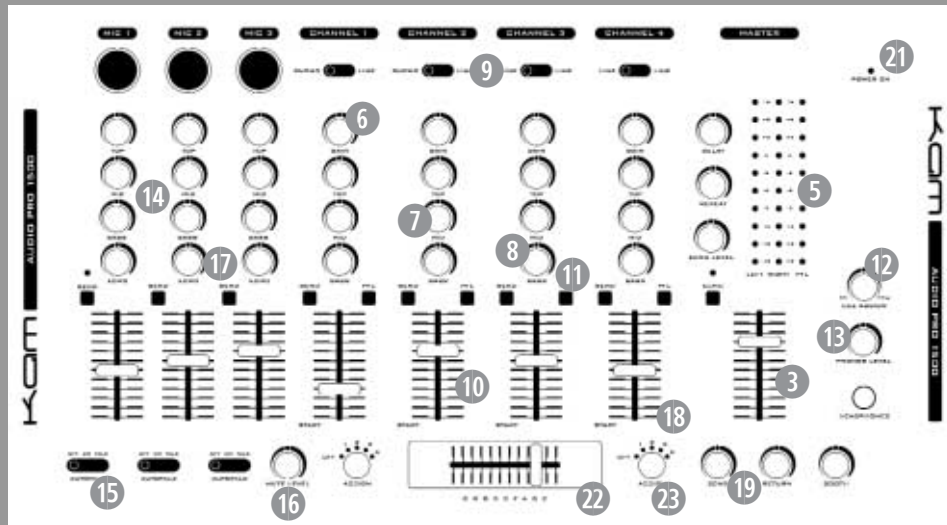
These are used to switch between Line input and Phono input on each channel.

CHANNEL LEVEL FADERS

These are used to adjust the output level for each channel. NOTE: care should be taken not to produce distortion with these controls.

PFL ASSIGN

Each channel has a PFL assign switch. This should be activated when you wish to measure the signal of an individual channel and monitor that channel through the headphone circuit.



CUE ASSIGN CONTROL KNOB

This Controls what is heard in the headphones. When the rotary control is fully anti-clockwise the PFL circuit is monitored, when the rotary knob is fully clockwise the master output or PGM is monitored.

PHONES LEVEL

This controls the output volume of the headphones. Care should be taken not to have this set too high as it could result in damage to both the hearing of the user and the headphones. The channel to be monitored is selected via the cue assign control knob.

MICROPHONE CONTROLS

The three DJ/Mc or Vocalist microphone channels each have their own dedicated gain control, level fader an individual 3 band eq section and Autotalk system. NOTE: To achieve the best results from the 3 microphone channels check out our range of Kam microphones.

MICROPHONE AUTOTALK

This is a 3 position switch OFF/ON/TALK. In the OFF position the mic' channel is off. In the on position the channel is on. In the Talk Position the music level reduces while the microphone is in use and then automatically returns the music to normal level when the microphone is not in use. The override level is adjustable via the mute control.

MUTE LEVEL

Adjusts the level to which the music is reduced when the Autotalk is in use.

ECHO ASSIGN, LEVEL, REPEAT AND DELAY

Each microphone channel is equipped with an echo send level control. This will control the level of echo on the channel. NOTE: The Master Echo ON/OFF switch needs to be activated before any echo features work. With the echo ON/OFF switch activated and a channel echo level turned up, you now can use the master echo level, delay and repeat controls to create the desired effect.

AUTO START FEATURE

Each of the four music channels has an auto start micro switch on the fader. The mixer can be connected to a compatible music source (KAM CD Players or CD player with a +/- 5V pulse) via the mini jacks on the rear of the mixer. When the fader is lifted the music source will begin to play. When the fader is closed the music source will pause. For further information www.kam.co.uk/remotestart.

SEND AND RETURN

In addition to the on board echo system the AUDIO PRO 1500 features a send and return facility for use with external effects processing equipment. Pressing the individual channel send switch routes sound to the external send output. The overall level of output to the external component is controlled by the send level control. The overall return volume is controlled by the return level control. The signal from the return control is combined with the master output signal.

VOLTAGE SELECTOR

The KSP1500 is dual voltage (110 / 230). Please ensure the correct voltage is selected for your country. Failure to set the correct voltage will cause damage to the unit.

POWER

The Power On LED will show the current status (lit = on). Ensure the mixer is turned off when connecting external equipment

KAM PROFADE CROSSFADER

This allows the user to mix smoothly between both music channels selected on the crossfader assign.

CROSSFADE ASSIGN

To the left and right of the crossfader is a crossfade assign Knob. Positions 1-4 assign individual channels to the relevant side of the crossfader. The off position bypasses the crossfader and routes the individual channels directly to the master output.

REPLACEABLE PROFADE CROSSFADER (not shown)

You are probably already aware that this mixer comes with a FREE EXTRA KAM ProFADE crossfader.

Crossfaders get more use than any other part of a mixer so they are always the first thing to wear out. They are also generally not guaranteed and are a chargeable item. The Team at KAM think you deserve more time to enjoy mixing and preparing to be a top class artist before you need to reach in to your pocket to pay for a replacement. So with two faders in the box, compared to other brands you will have twice as much time to enjoy this product.

SPECIFICATION

INPUT	Mic 1mV / 600ohm Phono 3mV / 50Kohm Line 150mV / 100Kohm
OUTPUT	Amp 1V / 600ohm Rec 450mV / 600ohm Headphone 8ohm stereo
FREQUENCY RANGE	20Hz - 20,000Hz
EQ CONTROL	30dB/+12dB
THD	0.05%
S/N RATIO	68dB
AUTO START CONTROL	5V
AUTO TALKOVER	15dB
POWER SUPPLY	External PSU
DIMENSIONS	266 x 482 x 116mm
WEIGHT	4.3kg

Due to continuous product development, specifications are subject to change.

INSTRUCTION MANUAL

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