

User Manual

iMIX 2 Zone mixer



Safety instructions

When using this electronic device, basic precautions should always be taken, including the following:

- 1 Read all instructions before using the product.
- 2 Do not use this product near water (e.g., near a bathtub, washbowl, kitchen sink, in a wet basement or near a swimming pool etc).
- 3 Use this device when you are sure that preamplifier has a stable base and it is fixed securely.
- 4 This product, in combination with amplifier and audio source may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult with otorhinolaryngologists.
- 5 The product should be located away from heat sources such as radiators, heat vents, or other devices that produce heat.
- 6 The product should be connected to a power supply that is described in the operating instructions or are marked on the product.
- 7 The power supply should be undamaged and never share an outlet or extension cord with other devices. Never leave device plugged into the outlet when it is not being used for a long period of time.
- 8 Care should be taken that objects do not fall into liquids and liquids would not be spilled on the device.
- 9 The product should be serviced by qualified service personnel if:
 - The power supply or the plug has been damaged.
 - Objects have fallen into or liquid has been spilled on the product.
 - The product has been exposed to rain.
 - The product has been dropped or the enclosure damaged.
- 10 There are some areas with high voltage inside, to reduce the risk of electric shock do not remove cover of the microphone receiver or power supply. The cover should be removed by the qualified personnel only.

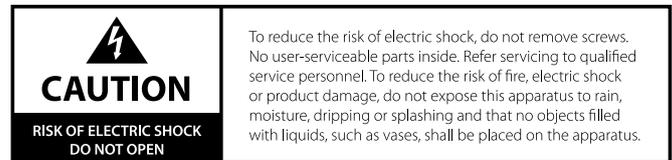


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Before you start

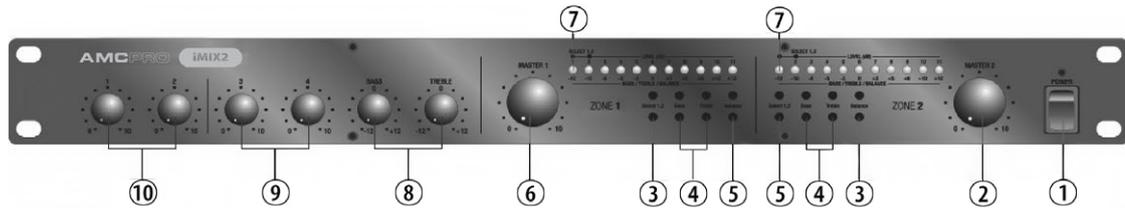
iMIX 2 – two-zone stereo mixer preamplifiers with universal balanced Phoenix and stereo RCA inputs. These zone mixers have all main functions like input gain control, phantom power on/off, input priority, tone, balance control and RS232 interface for remote control. iMIX2 zone mixers are all-purpose devices so you can easily create 2 stereo zone or 2 mono zone audio systems with paging possibilities.

FEATURES

- 4 Microphone/Line Balanced input
- 2 RCA stereo input
- 2 Balanced stereo output
- Priority input
- Phantom power
- RS232 control
- Microphone tone control
- Output tone, balance control
- Master volume control
- Stereo & mono switch
- 1U height
- 19" rack

Operation

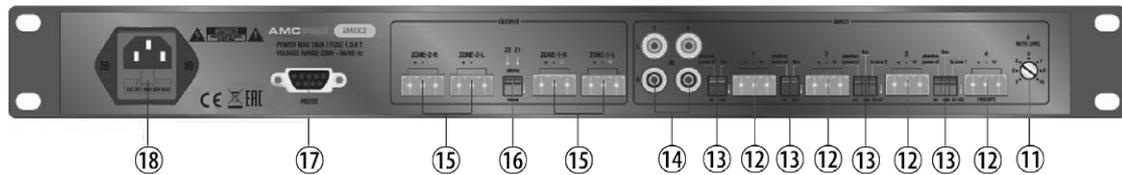
Front Panel



- 1. Power switch | 2. Level control for Zone-2 | 3. Balance control | 4. Tone controls
- 5. Audio input selector | 6. Level control for Zone-1 | 7. Volume/bass/treble/balance LED indicators
- 8. Tone control for 3 & 4 inputs | 9. Level control for 3 & 4 inputs | 10. Level control for 1 & 2 inputs

Operation

Rear Panel



11. VOX level control | 12. Microphone/line audio input | 13. Input gain selector, phantom power switch | 14. Stereo RCA audio input |
 15. Balanced stereo outputs | 16. Mono or Stereo output mode switch
 17. RS-232 connector | 18. Main power connector and fuse

Operation

Front panel operation

POWER SWITCH

To switch unit ON or OFF press this button. LED indicator will show when the unit is switched on.

LEVEL CONTROL FOR ZONE-1

Designed to adjust audio level in zone 1 output.

BALANCE CONTROL

Control relative volume of left and right audio outputs.

TONE CONTROL

The separate tone controls provide attenuation of bass and treble response. The flat position is obtained when the knobs are set to middle position.

SOURCE INPUT SELECTOR

Input selector designed to switch audio from input 1 or input 2 to audio output.

LEVEL CONTROL FOR ZONE-2

Designed to adjust audio level in zone 2 output.

LED

VOLUME: 0-10 step output level 0% to 100%

TREBLE: (+/-) 5 step 0= default 1=2db 2=4db 3=6db 4=9db 5=12db

BASS: (+/-) 5 step 0= default 1=2db 2=4db 3=6db 4=9db 5=12db

BALANCE: (+/-) 5 step -5=Left Ch +5=Right Ch.

SOURCE: S1/S2 selector source input.

Operation

Rear panel operation

VOX LEVEL CONTROL

This knob is used to adjust mute signal level sensitivity

MICROPHONE/LINE AUDIO INPUT

A balanced signal can be connected to these euro block connectors.

MIC/LINE, PHANTOM POWER SWITCH

Line - select input level to Line or Microphone

Phantom power off - select phantom power ON / OFF.

To zone - combine 3 & 4 input signals to both zones.

AC INPUT WITH FUSE

To replace the fuse, please disconnect the power cord, remove the damaged and instal new 1.0AT fuse.

Controls

IMIX2 RS232

Protocol: Baud rate : 9600bps, DataBit : 8bits, STOPBit : 1 bit, Parity : None, FlowCntrl : No

Sendcommands	ASCII String	Hexadecimal String
Power On	#W001	23 57 30 30 31
Power Off	#W002	23 57 30 30 32
Zone 1 mute On	#aM01	23 61 4D 30 31
Zone 1 mute Off	#aM02	23 61 4D 30 32
Zone 2 mute On	#bM01	23 62 4D 30 31
Zone 2 mute Off	#bM02	23 62 4D 30 32
Zone 1 select input 1	#aS04	23 61 53 30 34
Zone 1 select input 2	#aS03	23 61 53 30 33
Zone 2 select input 1	#bS04	23 62 53 30 34
Zone 2 select input 2	#bS03	23 62 53 30 33
Zone 1 input selector	#aFUP or #aFDW	23 61 46 55 50 or 23 61 44 57
Zone 2 input selector	#bFUP or #bFDW	23 62 46 55 50 or 23 62 44 57

Zone 1 volume	#aV(level)	23 61 56 3a 3b
Zone 2 volume	#bV(level)	23 62 56 3a 3b
Zone 1 treble	#aJ(level)	23 61 4A 30 n
Zone 2 treble	#bJ(level)	23 62 4A 30 n
Zone 1 bass	#aT(level)	23 61 54 30 n
Zone 2 bass	#bT(level)	23 62 54 30 n
Zone 1 balance	#aY(level)	23 61 59 30 n
Zone 2 balance	#bY(level)	23 62 59 30 n

Controls

Volume level: min-01, max-79

Zone 1 and Zone 2 volume control Hex string's (xx)=(level)
 For example setting Zone 1 volume to level 48: in ASCII #aV48, in Hex: 23 61 56 34 38

Volume adjusting by steps: #xGUP is a RS232 command for volume increasing by one step, #xGDW for volume reducing by one step x = zone number. Please use "a" instead x for zone 1 and "b" for zone 2

For example:

Zone 1 volume increasing by two steps send #aGUP command twice: in ASCII #aGUP, in Hex: 23 61 47 55 50

Zone 2 volume increasing by two steps send #bGUP twice : in ASCII #bGUP, in Hex: 23 62 47 55 50

Bass level: in ASCII min-02, max-0C in Hex min-32, max-43

Treble level: in ASCII min-02, max-0C in Hex min-32, max-43

Balance level: in ASCII min-02, max-0C in Hex min-32, max-43

Request Commands	ASCII String	Hexadecimal string	Receive Strings	ASCII string	Hexadecimal String
Power Status	#R001	23 52 30 30 31	Power On	#W001	23 57 30 30 31
			Power Off	#W002	23 57 30 30 32
CH1 Mute Status	#R002	23 52 30 30 32 C	CH1 MUTE On	#aM01	23 61 4D 30 31
			CH1 MUTE Off	#aM02	23 61 4D 30 32
CH2 Mute Status	#R003	23 52 30 30 33	CH2 MUTE On	#bM01	23 62 4D 30 31
			CH2 MUTE Of	#bM02	23 62 4D 30 32
CH1 VOL Status	#R006	23 52 30 30 36	CH1 VOL	#aVxx	23 61 56 3x 3x
CH2 VOL Status	#R007	23 52 30 30 37	CH2 VOL	#bVxx	23 62 56 3x 3x
CH1 SOURCE Status	#R00A	23 52 30 30 41	CH1 SOURCE INPUT 1 Status	#aS04	23 61 53 30 34
			CH1 SOURCE INPUT 2 Status	#aS03	23 61 53 30 33
CH2 SOURCE Status	#R00B	23 52 30 30 42	CH2 SOURCE INPUT 1 Status	#bS04	23 62 53 30 34
			CH2 SOURCE INPUT 2 Status	#bS03	23 62 53 30 33
CH1 TRE Status	#R00E	23 52 30 30 45	CH1 TRE	#aJ0x	23 61 4A 30 3x
CH2 TRE Status	#R00F	23 52 30 30 46	CH2 TRE	#bJ0x	23 62 4A 30 3x
CH1 BASS Status	#R012	23 52 30 31 32	CH1 BASS	#aT0x	23 61 54 30 3x
CH2 BASS Status	#R013	23 52 30 31 33	CH2 BASS	#bT0x	23 62 54 30 3x

General Specifications

iMIX 2

Power source	AC 230V 50/60 Hz
Frequency response	10 Hz - 50 kHz
Total harmonic distortion	≤0.01% @ (20 to 20 kHz)
Hum & noise	< - 110 dB
Crosstalk	> 50 dB @ 1 kHz
Input impedance	20 kOhm (balanced) 47 kOhm (unbalanced)
Input gain	Line -10 dB Mic -50 dB

Output	+15 dB @ 10 kOhm
Connections	Input: RCA / Balanced Phoenix Output: Balanced Phoenix control, master
AC power consumption	20 VA
Dimensions	44(H) x 482(W) x 200(D) mm
Color	Black
Weight	4 kg

The specifications are correct at the time of printing this manual. For improvement purposes, all specifications for this unit, including design and appearance, are subject to change without prior notice.