



iMIX 2

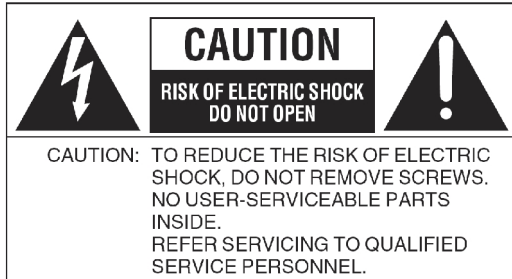
Zone mixer



User manual

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

**Important**

Do not install this equipment in a confined space such as a book case or similar unit.

The apparatus should not be dripped or splashed and no objects filled with liquids, such as vases, should not be placed on the apparatus.

This unit should not be used near water (e.g. near bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.) Care should be taken so that objects do not fall and liquids are not spilled into enclosure through openings.

iMIX2 – 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/of, 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.

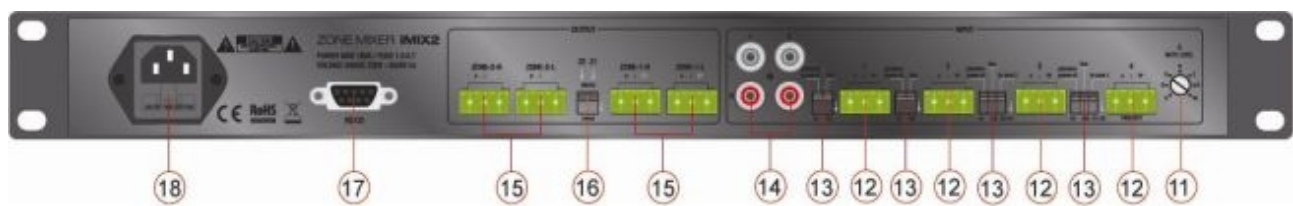
Features

- 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.

Front Panel



Rear Panel



1. Power switch
To switch unit ON or OFF press this button. LED indicator will show when the unit is switched on.
2. Level control for Zone-1
By turning this knob you can adjust output level.
3. Balance control
Control relative volume of left and right speakers.
4. Tone controls
These selectors allow to modify your system sound reproduction.
5. Source input selector
With these buttons you can assign different source to wanted zone.
6. Level control for Zone-2
By turning this knob you can adjust output level.
7. Volume/bass/treble/balance LED indicators
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.
8. Tone control for 3 & 4 inputs
9. Level control for 3 & 4 inputs
10. Level control for 1 & 2 inputs
11. Vox-mute Volume & ext. mute input level
This knob is used to adjust mute signal level sensitivity
12. Rear microphone/line input Phoenix connectors
A balanced signal can be connected to these zone connectors.
13. Mic./Line, Phantom Power Switch.
a.Line - select input level to Line or Microphone
b.Phantom power off - select phantom power ON / OFF.
c.To zone - combine 3 & 4 input signals to both zones.
14. Unbalanced L & R source input
15. Balanced Output Zone 1 L & R, and Zone 2 L & R.
16. Mono or Stereo output mode switch.
17. RS-232 connector (DB9)
18. AC input with fuse
If the fuse is blown. Please disconnect the power cord and replace the fuse by the same value 1.0AT of the SLOW BLOW type. If the fuse blows again. then contact your dealer for further servicing.

IMIX2 RS232

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

Send commands	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 bass	#aJ(level)	23 61 4A 30 n
Zone 2 bass	#bJ(level)	23 62 4A 30 n
Zone 1 treble	#aT(level)	23 61 54 30 n
Zone 2 treble	#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

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	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 Off	#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

Power source	AC 230V 50/60 Hz
Frequency response	10 Hz - 50 kHz
Total harmonic distortion	$\leq 0.01\%$ @ (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
AC power consumption	20 VA
Dimensions	44(H) x 482(W) x 200(D) mm
Finish	Black
Weight	4 kg

