

3002S MINI MIXER



USER'S MANUAL

SAFETY PRECAUTIONS!

WARNING - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

Do not allow water or liquids to be spilled into this unit. If the unit has been exposed to rain or liquids, please unplug the power cord immediately from the outlet (with DRY HANDS) and get a qualified service technician to check it. Keep this unit away from heat sources such as radiators, heat registers, stoves, etc.

This unit contains no user-serviceable parts. Refer all service needs to a qualified service engineer through a Globe dealer.



This triangle on your component alerts you to the presence of uninsulated dangerous voltage inside the enclosure that may be sufficient to constitute a risk of shock.

This triangle on your component alerts you to important operating and maintenance instructions in this accompanying literature.

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVERS (OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER ALL SERVICING TO A QUALIFIED SERVICE PERSONNEL.

Keep this unit clean by using a soft dry brush and occasionally wiping it with a damp cloth. Do not use any other solvents, which may damage the paint or plastic parts. Regular care and inspection will be rewarded by a long life and maximum reliability.

Your **MC6002S MINI Mixer** was carefully packed at the manufacturing site and the packing box was designed to protect the unit from rough handling. We recommend that you carefully examine the packaging and its contents for any signs of physical damage, which may have occurred during transportation.

If the unit is damaged: **Notify your dealer and the shipping company immediately.** Claims for damage or replacement may not be granted if not reported properly or in a timely manner.

INTRODUCTIONS

Welcome you using MC6002S mini mixer. It has small size, handsome outline and perfect functions.

It is easy to schlep or operate. It must be a ideal equipment you need.

Please read this manual carefully to know all functions and operations of the product well, in order to operate the unit at the good condition.

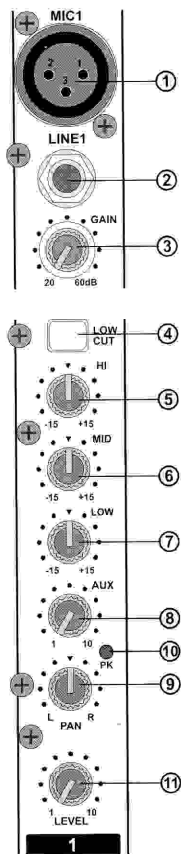
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FEATURES

- 2 mono input channels and 2 stereo input channels.
- 3-band frequency equalizer for each input channel.
- Adopt low-noise discrete Mic pre-amplifier on 2 microphone inputs.
- Optional low cut filter to reduce low frequency interfere for 2 mono input channels.
- 2 stereo inputs with 10dB input sensitivity selector.
- 1 AUX in and 1 AUX out.
- Stereo play in and record out.
- Stereo monitor out and headphone output.
- Peak indicator on each input channel.
- Provide +48V phantom power for condenser microphone.

● Mono channel section



① MIC

This is an XLR type connector for microphone, the input level range: -60~-20dB. This connector can provide +48V phantom power for condenser microphone when the phantom power switch is on.

② LINE

This is a balanced 1/4" phone jack for linking a line level source, input level range: -40~0dB

③ GAIN control

Use this knob to adjust the level of the input signal to the optimal level. For the best balance of S/N ratio and dynamic range, adjust this knob so that the peak indicator ⑩ lights occasionally.

④ Low Cut switch

A low cut filter will be inserted to input circuitry of this channel when this switch pressed down to reduce low frequency interfere.

⑤ HI

This knob controls the frequency equalizer at higher frequency point. Max adjust range +/-15dB @ 12KHz

⑥ MID

This knob controls the frequency equalizer at middle frequency point. Max adjust range +/-15dB @ 2.5KHz

⑦ LOW

This knob controls the frequency equalizer at lower frequency point. Max adjust range +/-15dB @ 80Hz

⑧ AUX

This rotary fader sends out the channel signal to AUX bus. The signal is pre-fader so that the aux send to be independent of the fader.

⑨ PAN

This knob is used for distributing the signal level of the channel feed to L/R buses. They are equal which are feed to bus when the knob locates in the middle.

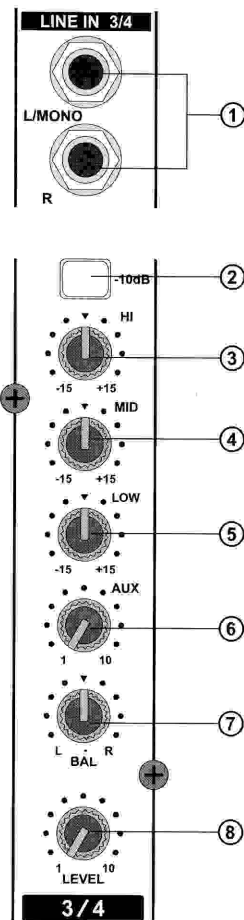
⑩ PK Peak Indicator

This red LED will warn you when an excessively high signal level is present in the channel. The signal is sampled in front of channel fader. It will light approximately 3dB before clipping and therefore give warning of a possible overload.

⑪ LEVEL Channel Fader

This rotary fader controls the output level feed to main bus from the input channel, adjusting the volume balance between channels. Rotate left to the top when the channel is free.

● The stereo channel



① L/MONO R

They are two unbalanced 2-pole phone jacks for stereo line input, the input level range: -10dB. If the source signal is mono please plugs into the left channel socket only (L/Mono).

② -10dB Attenuator

This switch allows you to match the sources connected to the stereo input sockets ①. The line input signal will be faded -10dB when this switch is pressed down.

③ HI

This knob controls the frequency equalizer at higher frequency point. Max adjust range +/-15dB @ 12KHz

④ MID

This knob controls the frequency equalizer at middle frequency point. Max adjust range +/-15dB @ 2.5KHz

⑤ LOW

This knob controls the frequency equalizer at lower frequency point. Max adjust range +/-15dB @ 80Hz

⑥ AUX

This rotary fader sends out the channel signal to AUX bus. The signal is pre-fader so that the aux send to be independent of the fader.

⑦ BAL (Balance) control

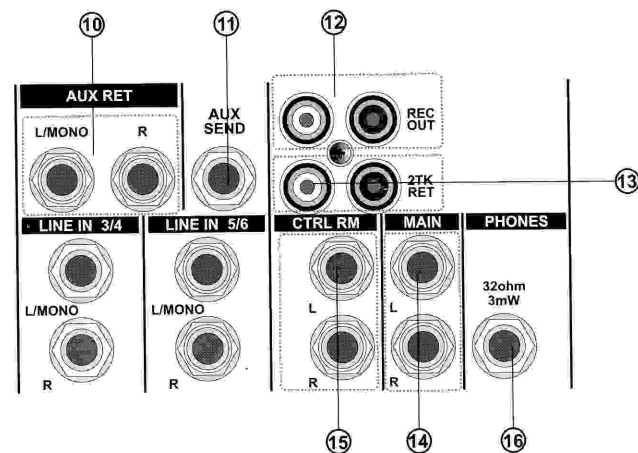
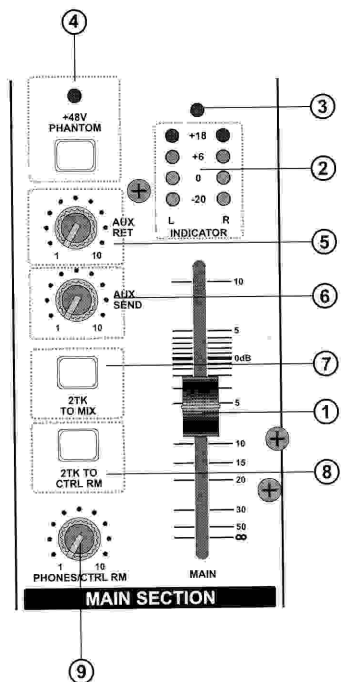
This control sets the amount of the channel signal feeding the left and right mix bus, allows you to locate the source smoothly across the stereo image.

⑧ LEVEL Channel fader

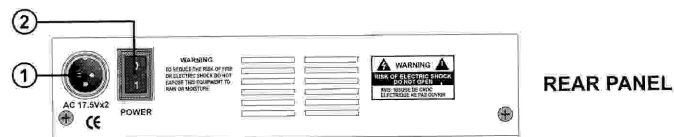
This rotary fader controls the output level feed to main bus from the input channel, adjusting the volume balance between channels. Rotate left to the top when the channel is free.

● Master control section

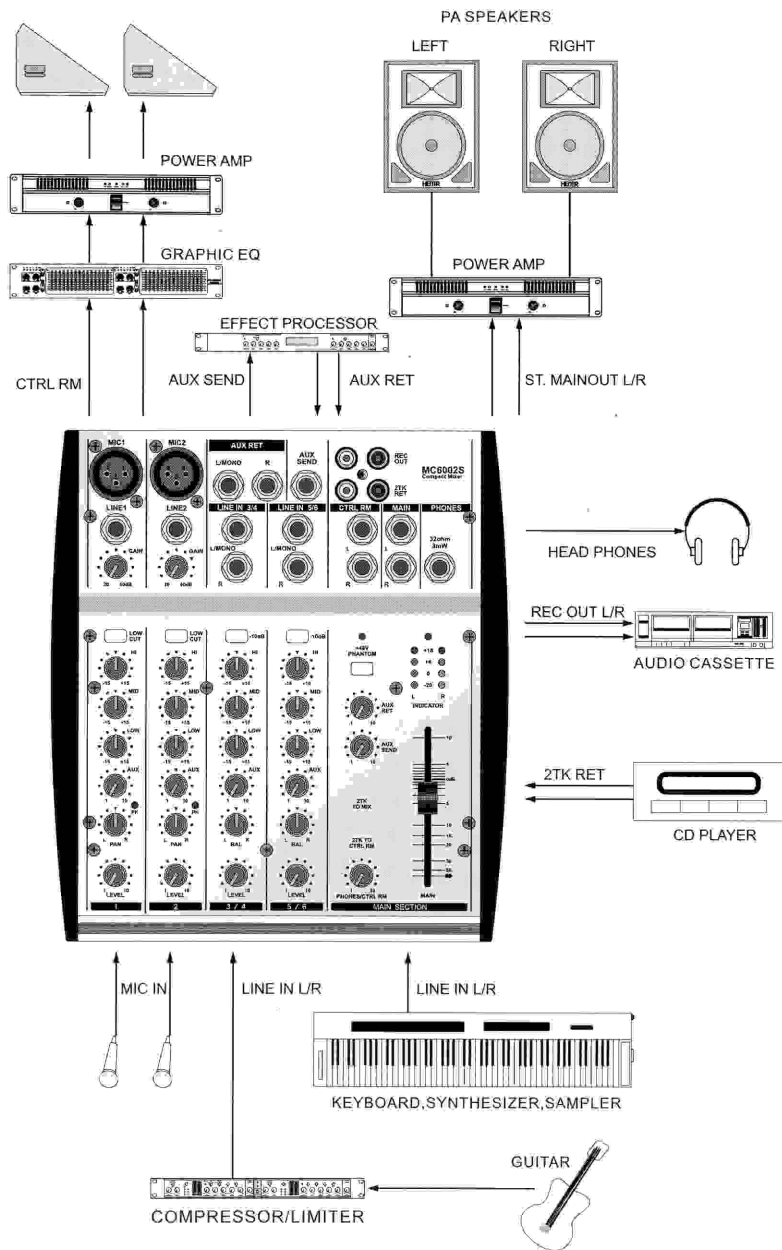
- ① **MAIN output control**
This slide fader is used for adjusting the final output level sent to the main output sockets.
- ② **Output Level meter**
This level meter indicates the signal level of the stereo main output (Left and Right) or play input (switched synchronously with the signal sent to the phones jack)
- ③ **Power Indicator**
Indicates work status of the internal DC power supply.
- ④ **+48V Phantom Power Switch and Indicator**
This switch is used for turning on or off +48V phantom power. +48V voltage will be present on the socket of each microphone input channel when this switch is pressed down.
Notices: rotate off all channel fader before turning on/off this switch; Don't plug or unplug microphone after this switch were turned on; Don't turn on the switch when a dynamic microphone is in use.
- ⑤ **AUX RET**
This rotary controls the signal level feed to the stereo main buses from auxiliary return.
- ⑥ **AUX SEND**
This knob controls the signal level sent to the AUX SEND socket.
- ⑦ **2TK TO MIX**
The input signal from 2TK RET sockets can be feed to the main bus and got on the main out sockets when this switch is pressed down.
- ⑧ **2TK TO CTRL RM**
Press down this button to feed the PLAY signal to the control room and headphones; release this button to feed the main signal to the control room and headphones.
- ⑨ **PHONES / CTRL RM**
This knob controls the signal level to the control room and headphones.



- ⑩ **AUX RET L/MONO & R**
These are two auxiliary input phone jacks. The rated input level is -10dB. Only connect the output of your source device to L/MONO if the source is mono, thus the right signal is same as the left.
- ⑪ **AUX SEND**
This jack socket sends the auxiliary signal.
- ⑫ **REC OUT**
These two RCA sockets from which send out left and right main output signal for recording.
- ⑬ **2TK RET**
These two RCA jacks get stereo signals from an external player to the mixer.
- ⑭ **MAIN (L, R)**
These sockets send line level signals from the mixer to external devices (for example: EQ or a power amplifier).
- ⑮ **CTRL RM**
These two jack sockets send stereo signals from main out or tape player to the control room speakers.
- ⑯ **PHONES**
This jack socket sends the signals from main out or tape player to the headphone.



- ① **AC Power Supply socket**
Used for connecting an external special adapter. Make sure the adapter has not been plugged into AC outlet before connecting.
- ② **AC Power Switch**
Turn on or off AC power



Inputs	Number	Input modes	Connector	Input Impedance	Rated Input level
Microphones	2	Balanced	XLR	2Kohm	-60dB
Mono LINE IN	2	Balanced	3-poles TRS	47Kohm	-40dB
Stereo LINE IN	2	Unbalanced	2 TRS	10Kohm	-10dB
Stereo PLAY IN	1	Unbalanced	2 RCA	10Kohm	-10dB
Stereo AUX RET	1	Unbalanced	2 TRS	10Kohm	-10dB

Outputs	Number	Outputs modes	Connector	Outputs Impedance	Rated Output level
Stereo MAIN OUT	1	Unbalanced	2 TRS	75ohm	+4dB
CTRL RM	1	Unbalanced	2 TRS	75ohm	+4dB
AUX SEND	1	Unbalanced	TRS	75ohm	+4dB
Stereo REC OUT	1	Unbalanced	2 RCA	1Kohm	-10dB
HEADPHONE	1	Unbalanced	3-poles TRS	75ohm	3mW @36ohm

Max gain	Signal route	Conditions
72dB	MIC IN-----MAIN L/R, AUX SEND	@620ohm Load
78dB	MIC IN-----CTRL RM OUT L/R	@620ohm Load
62dB	MIC IN-----REC OUT	@10Kohm Load
55dB	MONO LINE IN-----MAIN OUT L/R	@620ohm Load
22dB	ST. LINE IN-----MAIN OUT L/R	@620ohm Load
22dB	AUX RET-----MAIN OUT L/R	@620ohm Load
19dB	2TK RET-----MAIN OUT L/R	@620ohm Load
19dB	2TK RET-----CTRL RM OUT L/R	@620ohm Load

Channel EQ	HI 12KHz MID 2.5KHz LOW 80Hz	max equalizing value +/-15dB
Low cut filter	80Hz	18dB/OCT
Total harmonic distortion	<0.1%	@+14dB 20~20000Hz 620ohm load
Frequency response	+1/-2dB	@+4dB 20~20000Hz 620ohm load
Max out level	+20dB	@0.5% THD 1KHz 620ohm load
Microphone preamp E.I.N	-124dB	@ 150ohm , at max gain
Power		AC230V 50Hz
Power consumption		5W
Weight (include power adaptor)		1.8Kg
Dimensions(mm)		176x38x212 (W x H x D)

SYSTEM BLOCK DIAGRAM

