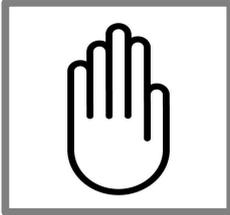# OWNER'S MANUAL

www.geckomusic.net

GECKO ®

GECKO® SAFETY INSTRUCTIONS & SYMBOLS GUIDE

For your own safety and to avoid invalidation of the warranty, all text marked with these symbols should be read carefully.

SYMBOLS:

NOTES
Contain important information and useful tips on the operation of your equipment.

WARNING
The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

CAUTIONS
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. Please read the manual carefully.

HEADPHONES SAFETY WARNING
Contain important information and useful tips on headphones outputs and monitoring levels.

SAFETY INSTRUCTIONS:
- To reduce the risk of electrical shock, do not remove covers. No user serviceable parts inside. Please refer servicing to qualified personnel.
- To reduce the risk of electrical shock or fire, do not expose the equipment to rain or moisture.
- Do not impose unnecessary stress on your equipment (i.e. placing heavy objects on it, overscrewing its mounting etc).
- Read and keep the instruction manuals in a safe place for future references.
- Do not attempt to clean the equipment with chemical solvents as this may damage the finish. Clean only with dry cloth.
- Do not block any ventilation openings.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- Do not defeat the purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the grounding prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for the replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Unplug the apparatus during lightning storms or when it is not in use for a long period of time.

- Use only attachments / accessories specified by the manufacturer.
- Always shut down power supply when not in use to save energy and for prolonged lifespan.
- Exposure to extremely high noise levels may cause permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a period of time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible noise level exposures shown in the following chart. According to OSHA, any exposure in excess of these permissible limits could result in some hearing loss. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels use hearing protectors while the equipment is in operation. Ear plugs or protectors in the ear canals or over the ears must be worn when operating the equipment in order to prevent permanent hearing loss if exposure is in excess of the limits set forth here:

Duration/Day (Hours)	dB, Sound Pressure Level (SPL)	Descriptions
	Below 90 dB	Safe zone
8.00	90	Hearing damage
6.00	92	
4.00	95	
3.00	97	
2.00	100	Serious hearing damage
1.50	102	
1.00	105	
0.50	110	
0.25 or less	115	Human pain threshold

FOREWORD

Dear Friends,

Thank you very much for purchasing quality products by **GECKO MUSIC GROUP**. I am indeed very delighted that we have journeyed this far, setting new standards in the audio and music industry while touching and changing lives along the way!

At **GECKO MUSIC GROUP** we focus on developing nothing but the best professional audio equipment and premium grade musical instruments you ever need! It has been our philosophy all this while that good sound reproductions can be achieved at a fraction of a premium. Our engineering team is constantly doing research and development to meet this objective. We thank God that by HIS grace, we have succeeded in developing the revolutionary C.R.I.S.T.A.L.® Audiophile technology that is changing the way how sound is being encoded, reproduced and managed!

On behalf of **GECKO MUSIC GROUP**, I would like to pledge our continuing commitment to uphold our traditions in serving music and audio communities around the world with more value-added highest possible quality GECKO® professional audio equipment and premium grade musical instruments!

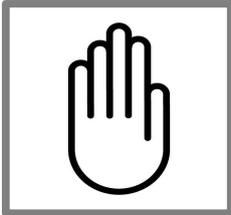Once again, thank you very much for your support.

Yours truly,

Daniel Foo
Founder / Chairman
GECKO MUSIC GROUP

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NOTES: Congratulations on purchasing the GECKO® EXODUS ATOM MXR 808A active C.R.I.S.T.A.L.® Audiophile mixing console! We recommend that you take a moment and read through the manual as it provides information that will assist you in using your unit to its fullest potential.

INTRODUCTION

Any time and any place you need big sound with great clarity and convenience, the EXODUS ATOM MXR 808A system by GECKO® is for you. The EXODUS ATOM MXR 808A is the latest step in the ongoing evolution of our EXODUS series audiophile mixing consoles into the very finest in portable P.A. solutions; integrating the best of C.R.I.S.T.A.L.® Audiophile technology from both the EXODUS ODYSSEY mixing console and GENESIS power amplifiers.

The EXODUS ATOM MXR 808A is ideal for whatever your application may be - education, sporting and worship events; meetings, seminars and presentations; gigs at parties, small clubs and coffee houses; quality home and studio audiophile referencing systems.

Equipped with a comprehensive range of features, you can be sure that the EXODUS ATOM MXR 808A desk is not only a fantastic piece of engineering, it also makes complex setup easy!

The EXODUS ATOM MXR 808A is highly recommended for singers, musicians, audiophile enthusiasts, and sound engineers seeking pure sounds.

CONTROL ELEMENTS

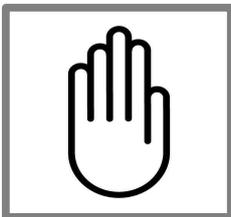**FRONT PANEL**

Channels 1 to 8
(Monaural)

1. CHANNEL INPUTS

MIC INPUT CONNECTORS
These are balanced XLR (female) type input connectors.

LINE INPUT CONNECTORS
These are balanced phone-type (¼" TRS) input connectors. You can connect either balanced or unbalanced phone-type plugs to these connectors.

NOTES: Where an input channel provides both a MIC connector and a LINE connector, you may use either one of these connectors but you must not use both at the same time. Please connect to only one of these connectors on each channel.

2. GAIN CONTROL
This control adjusts the sensitivity of both MIC (XLR) and LINE (¼" TRS) inputs. The -34 to +10 scale indicates the LINE input adjustment level. The EXODUS GAIN structure employs the revolutionary GECKO® C.R.I.S.T.A.L.® Audiophile PreAmps technology.

3. PEAK LED

The PEAK LED detects the peak level of the post-equalizer signal, and lights up red when the level reaches 3dB below the clipping level. It is normal to see the LED lights up occasionally.

4. EQUALIZER (EQ)

### MONAURAL CHANNELS (CHANNELS 1 TO 8):

This two-band equalizer adjusts the channel's high and low frequency bands. Setting the knob to the ▼ position produces a flat (linear) frequency response. Turning the knob to the right boosts the corresponding frequency band, while turning to the left cuts the band.

The following table shows the EQ type, base frequency, and maximum cut/boost for each of the two bands.

Band	Type	Base Frequency	Maximum Cut/Boost
HIGH	Shelving	12kHz	±15dB
LOW	Shelving	80Hz	

5. AUX CONTROL

The AUX knob controls the signal level that the channel sends to the AUX bus. This knob should generally be set close to the ▼ position.
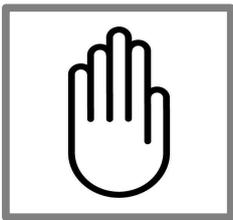
NOTES: This control allows you to output the signal to the AUX bus regardless of the setting of the channel fader [8].

6. PAN CONTROL

The PAN control determines the positioning of the channel's signal on the ST (STEREO) L and R buses.

7. PFL (PRE-FADER LISTEN) SWITCH

This switch lets you monitor the channel's pre-fader signal. To set the switch ON, press it in. When the switch is ON, the mixing console outputs the channel's pre-fader signal to the PHONES bus for monitoring.

8. CHANNEL FADER

Adjusts the output level of the channel's input signal. Use these faders to adjust the volume balance among the various channels.
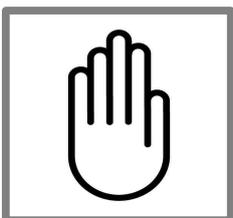
NOTES: To reduce noise, set the fader sliders for unused channels all the way down. Always ensure that you work with clean sources.

9. RETURN FADER

Adjusts the level of the mixed signals sent from the AUX RETURN connector into the ST (STEREO) L and R buses. You may use this function to control the amount of mixed signals on peripheral such as an external effects unit being sent to the mixing console.

10. ST (STEREO) L & R FADERS

Adjust the signal level to the STEREO OUT (ST OUT) - L (ODD) and R (EVEN) output connectors.

11. PHANTOM +48V SWITCH / +48V LED

This switch toggles phantom power ON and OFF. If you set the switch ON, the mixing console supplies DC +48V power to all channels (Channels 1 to 8) that provide MIC (XLR female) input connectors. Set this switch ON (pressed in, +48V amber LED lights up) when using one or more condenser microphones.

WARNING: Be sure to leave this switch OFF (switch not pressed in) when you are not using phantom power. Humming or damage may result if you connect to an unbalanced device or to an ungrounded transformer while this switch is ON (pressed in, +48V amber LED lights up). But note that the switch may be left ON without problem when connecting to balanced dynamic microphones. To avoid damage to speakers, be sure to turn OFF amplifiers (or powered speakers) before turning this switch ON or OFF.

12. ST/PFL SWITCH

With the ST/PFL switch unpressed, the overall ST (STEREO) output is sent to the PHONES connector, and LEVEL METER. With the ST/PFL switch pressed in, only the overall summed PFL output is sent to the PHONES connector, and LEVEL METER.

13. PHONES LEVEL CONTROL

The PHONES LEVEL knob controls the level of the signals output to the PHONES connector.

14. LEVEL METER

This 5-segment LED METER shows the level of the signals selected by the selection switches described in [12] above. The "0" point corresponds to the standard output level. The indicator lights up red when the output hits the clipping level.

15. POWER INDICATOR

This indicator lights up when the mixing console's power is ON.

16. ST GRAPHIC EQUALIZER

This 5-band equalizer adjusts the sound of the signal send to the ST OUT connectors. The equalizer cuts or boosts each band (70Hz, 200Hz, 1kHz, 5kHz, and 12kHz) over a range of ±12dB.

17. PHONES CONNECTOR

Connector for headphones. This is a balanced stereo phone-type (¼" TRS) output connector.
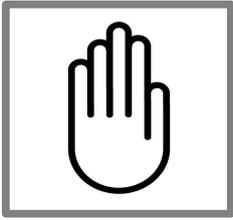
NOTES: The signals monitored by this connector are selected by the ST/PFL switch and the channel PFL switches.

18. AUX SEND / AUX RETURN

AUX SEND
This is impedance-balanced ¼" TRS output connector. This connector outputs the signal from AUX bus.. You use this connector, for example, to connect to an external effects unit or to a cue box or other such monitoring system.

AUX RETURN
This is impedance-balanced ¼" TRS input connector. The signal received by this input connector is sent to the STEREO bus and the AUX bus. This input connector is typically used to receive a return signal from an external effects unit (reverb, delay, etc.).

19. REC OUT (L, R) - L (ODD) and R (EVEN)
These are unbalanced RCA-type output connectors. By connecting these connectors to an external recorder, you can record the same signal that is being output from the ST (STEREO) OUT - L (ODD) and R (EVEN) connectors.
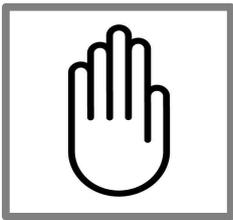
NOTES: The mixing console's ST (STEREO) L & R faders do not operate on the signal output from these connectors. Be sure to make appropriate level adjustments at the external recording device.

20. ST (STEREO) OUT - L (ODD) and R (EVEN)
These balanced ¼" TRS connectors output the mixed signal whose level is adjusted by the ST (STEREO) L & R faders. Output is in STEREO (L and R). Application examples: you can use these connectors to connect to an additional power amplifier driving your main speakers or to a pair of powered speakers, and or to connect to an external recording device.

REAR PANEL

21
27
22

23 24 25 26

21. POWER SWITCH
Use this switch to set the mixing console power to ON [I] or STANDBY [O].

WARNING: Note that trace current continues to flow while the switch is in the STANDBY position. If you do not plan to use the mixing console again for a long while, be sure to unplug the adaptor from the wall outlet.

22. FUSED IEC - AC POWER CORD RECEPTACLE
Plug the AC power cord (supplied) into the GECKO® EXODUS ATOM MXR 808A Active Audiophile Mixing Console. Plug the other end into a standard wall power outlet. The fused IEC - AC receptacle protects the mixing console from possible electrical hazards caused by power overload. Take care to route power cables away from audio lines.

23. VOLTAGE SELECTOR
This switch is pre-set at the factory for the proper local voltage, so there is no need to change the switch setting. For 110V operation, set the VOLTAGE SELECTOR to 110V.

WARNING: Always ensure you have the appropriate voltage rating selected on your EXODUS ATOM MXR 808A before plugging in to an AC outlet. Connection to an inappropriate power source may result in fire or electric shock, and extensive damage which is not covered by the warranty.

24. 4-POLE SPEAKON® SPEAKER OUT CONNECTORS
These two connectors accept 2-pole and 4-pole SPEAKON® connectors. Use these connectors for professional, secured wiring of your stereo speakers.

25. FAN INLET PORT
This variable-speed fan provides continuous airflow for Ultra Quiet Cooling (UQC). Do not block the front or rear air vents!

26. RUBBER FEET
These non-slip rubber feet provides stability and protections for the EXODUS ATOM MXR 808A from static build-up as well as from scratches on the base.

27. CONSOLE HANDLES
Two retractable console handles (one on each side) are provided to ease the carrying of the EXODUS ATOM MXR 808A.

MAKING CONNECTIONS

The GECKO® EXODUS ATOM MXR 808A can be used for many professional applications in live, studio, as well as home settings.

For all connections, refer to the following steps:

1. Before connecting to microphones and instruments, be sure that all devices are turned OFF. Also be sure that all of the mixing console's channel faders and master control faders are set all the way down.

2. For each connection, connect one end of the cable to the relevant microphone or instrument and connect the other end to the appropriate LINE or MIC connector on the mixing console. Where an input channel provides both a MIC connector and a LINE connector, you may use either one of these connectors but you must not use both at the same time. Please connect to only one of these connectors on each channel.

3. Make connections using quality audio cables (i.e. GECKO® TRUTH T3AL) and connectors (i.e. GECKO® OLYMPIAN connectors) according to your requirements.

4. To avoid causing damage to speakers, power up the devices in the following order: Peripheral devices → mixing console (or active mixing consoles) → power amplifiers (or powered speakers). When shutting the system down, turn OFF the power in the reverse order: Power amplifiers (powered speakers) → mixing console (active mixing consoles) → peripheral devices.

5. Although it requires no special ventilation, ambient temperatures should not exceed 113°F (45°C) when equipment is powered.

SPECIFICATIONS

Pre-Amplifiers:
GECKO® C.R.I.S.T.A.L.® Audiophile PreAmps

Frequency Response
18Hz ~ 22kHz

Channels Inputs:
8 Monaural (8 MIC XLR Female, 8 LINE ¼" TRS)

Other Connections:
AUX SEND, +4dBu (1); AUX RETURN (1), -10dBu; PHONES; ST OUT: ¼" TRS (L, R), +4dBu; REC OUT, RCA (L, R), -10dBV; SPEAKON® OUT (2)

Systems:
GECKO® C.R.I.S.T.A.L.® Audiophile PreAmps, GECKO® Custom Ultra Low-Noise Faders (60mm), 5-Band Stereo Graphic EQ, Precision Channel EQ, +48VDC Phantom, 5-Segment LED Meters (ST OUT, PFL), PFL, PEAK & POWER Indicators, AUX Bus, MAIN STEREO Bus, AUX Bus, PHONES Bus

Amplifier Rated Output:
4Ω: 200W per Channel, 2-Tier C.R.I.S.T.A.L.® Audiophile Class H

Amplifier Protections:
Mid-Point DC Drift, Short Circuit (ISC), Open Circuit, Thermal (UQC), Ultrasonic and RF

Physical Properties:
Enclosure: Steel
Color: Metallic Grey
Hardware: Console Handles (2), Non-Slip Rubber Feet (4)
Net Weight: 6.60Kg
Dimension: (H) 136mm x (W) 406mm x (D) 325mm

AC Power:
110/220V ~ 50/60Hz Selectable Voltages

Specifications subject to change without prior notice. Manufactured under ISO9000 certified management system.

GECKO® TERMS OF WARRANTY

WARRANTY:
GECKO MUSIC GROUP warrants its GECKO® products for a period of three (3) years from the original date of purchase, in accordance to the warranty regulations described below.

WHAT IS COVERED:
During the applicable warranty period, GECKO MUSIC GROUP warrants the product against defects in materials and workmanship and against malfunctions. GECKO MUSIC GROUP will remedy all such defects and malfunctions without charge for parts or labour if the warranty applies. In the case that other parts are used which constitutes an improvement, GECKO MUSIC GROUP may, at its discretion, charge the customer for the additional cost of these parts. Final determination of warranty coverage lies solely with GECKO MUSIC GROUP.

WHAT IS NOT COVERED:
1. If the product needs to be modified or adapted in order to comply with applicable technical or safety standards on a national or local level, in any country which is not the country where the product was originally developed and manufactured, this modification/adaptation shall not be considered a defect in material or workmanship.

2. Normal wear and tear, in particular, of faders, cross faders, potentiometers, keys/buttons, valves, guitar/bass strings, machine heads, pick-up covers, vinyl covers, illuminants, and similar parts are not covered by this warranty.

3. Improper handling, neglect or failure to operate the unit in compliance with the instructions given in the user or service manuals.

4. Connection or operation of the unit in any way that does not comply with the technical or safety regulations applicable in the country where the product is used.

5. Damages/defects caused by force of nature or any other condition that is beyond the control of GECKO MUSIC GROUP.

6. Any repair or opening of the unit carried out by unauthorized personnel (user included) will void the warranty.

7. Modification or removal of serial numbers.

OBTAINING WARRANTY SERVICE:
To return a GECKO® product for warranty service, first fill out the **Online Technical Report** on **www.geckomusic.net** and submit for an authorization/service number. Write the authorization/service number so that it is prominently displayed on the outside of the shipping carton. Any products received without an authorization/service number that is clearly visible upon arrival at the factory will be refused. Enclose proof of the original delivery date or a copy of the original sales receipt/invoice. Enclose a description of the suspected defect or malfunction and the condition, if any, which caused the problem. Return the product to GECKO MUSIC GROUP.

WARRANTY SHIPPING:
You are responsible for prepaying shipping costs F.O.B. GECKO MUSIC GROUP, Melaka, Malaysia. Shipped product(s) must be properly packaged. Use original shipping cartons and packing materials where possible. GECKO MUSIC GROUP is not responsible for damages resulting from inadequate and or improper packing. Products received with damages due to improper packaging will be deemed out of warranty.

Products which do not meet the terms of this warranty will be repaired exclusively at the buyer's expense. GECKO MUSIC GROUP will inform the buyer of such circumstance. If the buyer fails to submit a written repair order within six (6) weeks after notification, GECKO MUSIC GROUP will return the unit C.O.D. with a separate invoice for freight and packing. Such costs will also be invoiced separately when the buyer has sent in a written repair order.

WARRANTY RIGHTS:
This warranty is exclusive and extended to the original buyer and is not transferable to anyone who may subsequently purchase this product. No other person (apart from authorized GECKO® Stores) shall be entitled to give any warranty promise on behalf of GECKO MUSIC GROUP.