

# OWNER'S MANUAL

**GECKO® PASSION MP 830S**



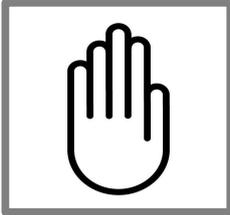
[www.geckomusicgroup.com](http://www.geckomusicgroup.com)



# 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 for 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, over screwing 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 a 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 a 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) and the Singapore Workplace Safety and Health Council (WSHC) has specified the permissible noise level exposures shown in the following chart. According to OSHA and WSHC, 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. Earplugs 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 90dB	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

**GECKO MUSIC GROUP**

Singapore | Malaysia | Taiwan | Philippines | Canada

Email: [info@geckomusicgroup.com](mailto:info@geckomusicgroup.com) • Website: [www.geckomusicgroup.com](http://www.geckomusicgroup.com)

# FOREWORD

Dear Friends,

Thank you very much for purchasing quality products by **GECKO MUSIC GROUP**. I am very grateful that we have journeyed this far, since 2002! We have set new audio standards in the industry and we have touched and changed lives along the way! I believe our journey will not stop but continue to pursue more breakthrough findings and improvements that will change our lives for the better.

At **GECKO MUSIC GROUP** we focus on developing nothing but the best professional audio equipment and premium grade audiophile products you ever need! Our engineering team is constantly doing R&D to meet this goal. I thank God that by His grace, we have succeeded in developing the revolutionary C.R.I.S.T.A.L.® technology that has changed and is changing the way how audio is captured, encoded, reproduced and managed!

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

Once again, thank you very much for your support. We trust you will love what you hear!

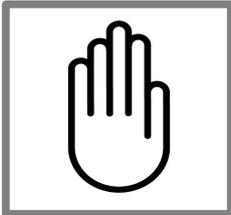
Yours truly,

A handwritten signature in black ink, consisting of a large, stylized 'D' followed by a series of loops and a final flourish ending in a small dot.

Daniel Foo  
Founder/Director (R&D)  
**GECKO MUSIC GROUP**

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**NOTES:** Thank you for purchasing the GECKO® PASSION MP 830S C.R.I.S.T.A.L.® Audiophile supercardioid dynamic microphone! 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

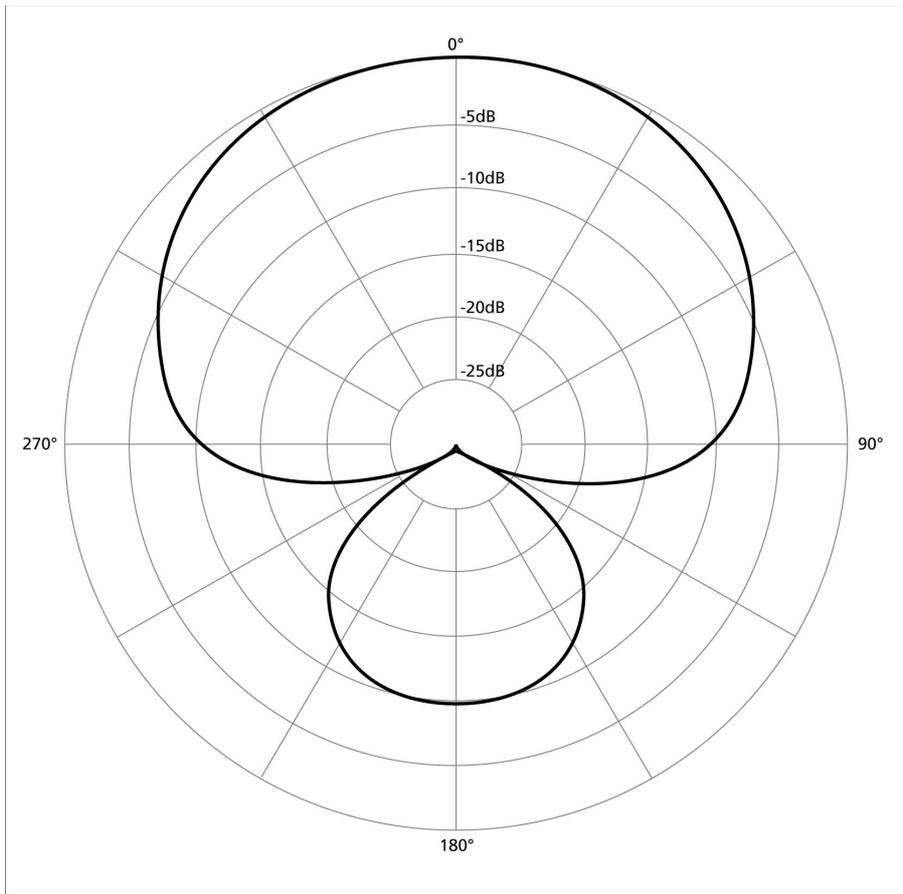
The GECKO® PASSION MP 830S C.R.I.S.T.A.L.® Audiophile supercardioid dynamic microphone has almost all the characteristics of a premium grade studio condenser. It offers the most natural reproductions for both vocal and instrument miking applications beyond what a conventional dynamic microphone can offer, setting new standards of dynamic microphones.

Features in a glance:

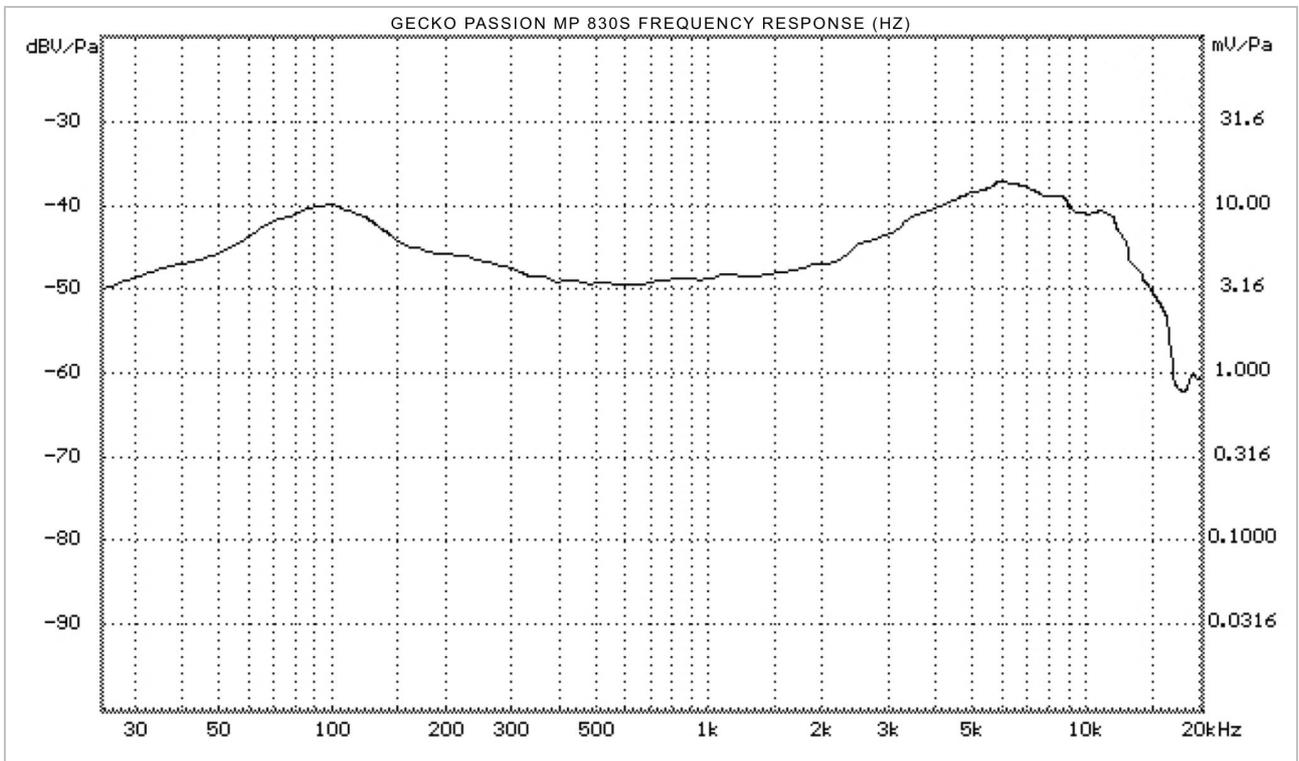
- Designed for smooth, natural vocal and instrument reproductions
- Anti-static, all-metal design, and construction for years of trouble-free use
- GECKO® Secured Connection™ provides secured cable joint connection
- Off-axis rejection for minimum feedback
- Integral pop filter for minimum plosive effects
- Anti-roll steel mesh grille design

# MICROPHONE ELEMENTS





POLAR PATTERN - SUPERCARDIOID



FREQUENCY RESPONSE

### **1. ANTI-ROLL METAL MESH GRILLE**

To prevent the microphone from accidental rolling off from the hard surface and to protect the microphone capsule from possible damage caused by external factors. It is also pop-filtered from the inside to reduce the plosive effects.

### **2. MODEL NAME AND NUMBER**

This is the microphone's laser-engraved model name and number "**PASSION MP 830S**".

### **3. ANTI-STATIC METAL BODY**

This chromed anti-static metal body is designed to prevent unwanted static charges (that could cause noise to the operation of the microphone) from building up and to withstand on-the-road abuses for years of trouble-free use.

### **4. NOISELESS ON/OFF SWITCH**

To power ON and power OFF the microphone.

### **5. GECKO® LOGO**

This is the laser-engraved **GECKO®** logo.

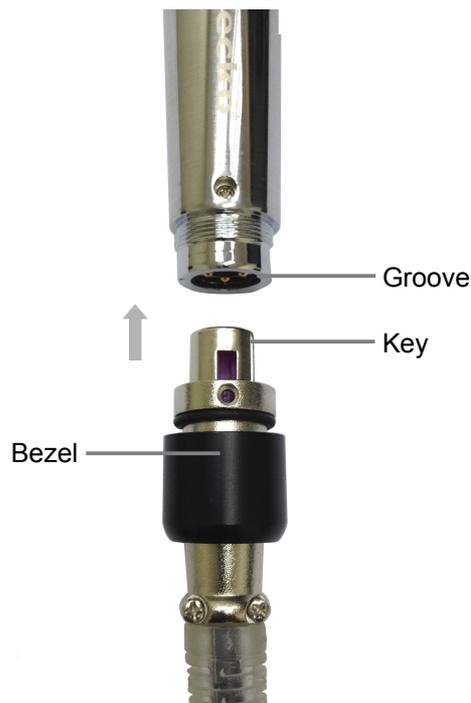
### **6. GECKO® Secured Connection™**

The GECKO® PASSION MP 830S has an integral XLR (male) output with GECKO® Secured Connection™ system ensuring secured cable joint connection. Positive pressure on diaphragm produces positive voltage on Pin 2 with regards to Pin 3. See the next section "*CONNECTING AND DISCONNECTING THE MICROPHONE*".

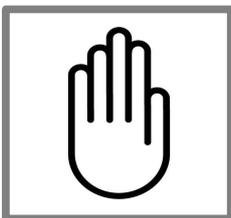
### **7. SERIAL NUMBER**

Every unit of the PASSION MP 830S is assigned with a unique laser-engraved serial number.

# CONNECTING AND DISCONNECTING THE MICROPHONE



1. Insert the provided microphone cable with GECKO® Secured Connection™ XLR (female) connector end into the microphone as shown above. If necessary, rotate the connector to align the key on the connector and the groove in the microphone. Push the connector into the microphone and secure the connection by turning the bezel clockwise until it is tight.



**NOTES:** The integral XLR (male) output connector on the microphone takes in a standard size XLR (female) connector. If you need a longer cable length other than the one provided, you may use either a third party longer cable (without GECKO® Secured Connection™) or connect the XLR (female) end of the provided cable to another GECKO® TRUTH T3 audiophile-grade microphone cable of your desired length for best performance.

2. If you are connecting to a balanced audio device, be sure to use the balanced configuration on the XLR and TRS type connectors. Pin 1 (Shield) = Ground, Pin 2 (Tip) = Positive (Hot), Pin 3 (Ring) = Negative (Cold). If you are connecting to an unbalanced audio device, make sure you bridge Pin 1 and Pin 3 on the connectors.
3. To unplug the connector from the microphone, turn the bezel anti-clockwise all the way until it is off from the microphone before pulling the connector out.

# MICROPHONE USE



CORRECT HANDLING



WRONG HANDLING

1. Turn ON the microphone by sliding the switch to "ON". Turn OFF the microphone by sliding the switch to "OFF". Keep the switch in the "OFF" position while connecting or disconnecting the microphone from your audio device.
2. For vocal use, hold the microphone by its handle. Avoid holding the microphone grille. See pictures above.
3. Position the microphone grille one to two inches (2cm - 5cm) away from the mouth. Move farther away from the microphone to produce a more balanced, natural sound. Move closer to the microphone to enhance low frequency (bass) response.
4. To minimize the chance of feedback (a loud howling or squealing noise), position the microphone beside or behind loudspeakers.
5. Apart from vocal, the GECKO® PASSION MP 830S can also be used for instrument miking, i.e. strings, woodwinds, brasses, percussions, and also backline amplifiers miking.



**CAUTIONS:** DO NOT APPLY +48VDC PHANTOM POWER ON THE PASSION MP 830S! Using a +48VDC phantom will affect the performance of the PASSION MP 830S and may cause serious damage to the microphone.

# SPECIFICATION

**Element:**

C.R.I.S.T.A.L.® Audiophile Anti-Shock Hum-Compensating Dynamic

**Polar Pattern:**

Supercardioid

**Frequency Response:**

38Hz ~ 20kHz

**Sensitivity:**

-49±3dB at 1kHz (0dB = 1mV/Pa)

**Output Impedance:**

600Ω (±15%)

**Switch:**

Noiseless 2-Position ON/OFF

**Output Connector:**

Integral XLR Male with GECKO® Secured Connection™

**Included Accessories:**

GECKO® PASSION Microphone Case, GECKO® TRUTH T3 Audiophile Microphone Cable with GECKO® Secured Connection™ (3m)

**Physical Properties:**

Finish: Anti-Static Metal Body, Anti-Roll Steel Mesh Grille (Pop-Filtered)

Color: Chrome (Body), Black (Steel Mesh Grille)

Net Weight: 350g

Dimension: (L) 215mm x (∅) 53.50mm

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

# WARRANTY

GECKO MUSIC GROUP warrants its GECKO® products for a period of one (1) year 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, crossfaders, potentiometers, keys/buttons, valves, guitar/bass strings, machine heads, pick-up covers, PVC/PU/leather 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 this website 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 either GECKO MUSIC GROUP or the GECKO® Store where the purchase was made. Note: Before sending back to GECKO MUSIC GROUP, you can first check with your local GECKO® Store or authorized reseller where you buy from for support.

## Warranty Shipping:

You are responsible for prepaying shipping costs F.O.B. GECKO MUSIC GROUP, Singapore. 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.