

## Introduction

Thank you for purchasing the Luna microphone from M-Audio. Please take a few moments to read the following guide into order to get the maximum results from your microphone.

**Important: Please fill out and mail your warranty card for the Luna immediately so that we may provide you with support for your microphone (you may also register online at [www.m-audio.com/register](http://www.m-audio.com/register)).**

## Features

- single pattern cardioid condenser
- large all-brass capsule
- 1.1" evaporated gold diaphragm
- +/-1dB tolerance across entire frequency range
- vintage sound, modern technology
- Class A FET electronics
- includes shock mount and hard case

## Unpacking

The container for your microphone was carefully constructed for protection during shipping. Please save this packaging for storage or traveling with your Luna microphone. If your box does not include the following items, please contact your dealer immediately:

- | M-Audio Luna microphone
- | hard case
- | shock mount

## Care of Your Microphone

Here are a few tips for care of your Luna microphone:

- Never subject the Luna to physical shock.
- Always use the included shock mount when securing to a stand.
- Always, wipe the Luna exterior down with a soft dry cloth and return the Luna to its case after each use to prevent damage from dust and shock.
- In the event that your Luna needs more extensive cleaning, lightly dampen a soft cloth with water or mild household soap and clean the metal exterior of the Luna, wiping it completely dry when finished. Never spray a cleaning agent on the microphone itself, as the moisture can damage the unit.
- Avoid subjecting the Luna to any kind of moisture. In vocal applications, moisture from breath condensation /saliva build-up can be prevented by use of a windscreen.
- Never disassemble the Luna microphone. There are no user-serviceable parts inside.

- Always use top-quality cables in order to avoid shorts that may damage the microphones electronics.
- Avoid temperature extremes above 95°F and below 50°F. When moving the microphone between outdoor and indoor environments, allow the microphone to acclimate to room temperature before connection and use, in order to avoid condensation on the diaphragm.

## Connections and Phantom Power

The M-Audio Luna microphone outputs a balanced, low impedance signal. It requires the additional signal boost acquired via connection to mic-level inputs of a preamp or mixer channel.

As with all condenser microphones, your Luna condenser requires power in order to operate. You will need to connect the Luna via XLR connection to a preamp or mixer channel strip that supplies +48 volt phantom power (phantom power shares the same XLR cable as the audio from the microphone). In order to avoid loud pops that can damage components like speakers and microphones, always perform the following steps (in order listed) when connecting the mic and/or cable:

1. Turn the gain on your preamp and/or mixer all the way down
2. Make sure that phantom power is disengaged
3. Connect the microphone via a high-quality XLR cable
4. Engage phantom power
5. Turn up the gain on your preamp and/or mixer

Before disconnecting the mic and/or cable:

1. Turn the gain on your preamp and/or mixer all the way down
2. Disengage phantom power
3. Disconnect the microphone via a high-quality XLR cable

## Applications

The Luna's clean-sounding technology is combined with an all-brass capsule to produce a smooth bottom and vintage tone that's perfect for capturing and enhancing great vocals. The Luna is also great for most other instruments and applications—including amplified guitar or bass.

## Cardioid Pattern

Cardioid is the most universal polar pattern found in microphones. In cardioids, the back of the microphone rejects sound, allowing the engineer to isolate the signal source from other performance elements or background noise.

## Luna Specification Data

Type: **Large-diaphragm condenser**

Polar Pattern: **Cardioid**

Frequency Response: **20 Hz – 20 kHz**

Sensitivity: **16 mV/Pa (-36 dBV)**

Max. SPL for 0.5% THD: **130 dB**

Equivalent Noise Level: **14 dB A weighted**

Output Impedance: **200 Ω**

Recommended Load Impedance: **>1,000 Ω**

Preamp Topology: **Class A FET, with output transformer**

Power Requirement: **48 V phantom power**

Connector: **3-pin male XLR**

Style / Dimensions: **Lollipop, 76 mm (3") grille dia. x 210 mm (8.25") length**

Weight: **650 g (23 oz)**

Included: **Luna & SM-4 shock mount in aluminum carry-case**

## Luna Warranty Terms

M-Audio warrants that this product is free of defects in materials and workmanship under normal use for a period of Six (6) months, so long as the product is: owned by the original purchaser; the original purchaser has proof of purchase from an authorized M-Audio dealer; and the purchaser has registered his/her ownership of the product by sending in the completed warranty card. This warranty explicitly excludes included accessories which may become defective as a result of normal wear and tear.

In the event that M-Audio receives written notice of defects in materials or workmanship from such an original purchaser, M-Audio will either replace the product, repair the product, or refund the purchase price at its option. In the event any repair is required, shipment to and from M-Audio and a nominal handling charge shall be borne by the purchaser. In the event that repair is required, a Return Authorization number must be obtained from M-Audio. After this number is obtained, the unit should be shipped back to M-Audio in a protective package with a description of the problem and the Return Authorization clearly written on the package.

In the event that M-Audio determines that the product requires repair because of user misuse or regular wear, it will assess a fair repair or replacement fee. The customer will have the option to pay this fee and have the unit repaired and returned, or not pay this fee and have the unit returned unrepaired.

The remedy for breach of this limited warranty shall not include any other damages. M-Audio will not be liable for consequential, special, indirect, or similar damages or claims including loss of profit or any other commercial damage, even if its agents have been advised of the possibility of such damages, and in no event will M-Audio's liability for any damages to the purchaser or any other person exceed the price paid for the product, regardless of any form of the claim. M-Audio specifically disclaims all other warranties, expressed or implied. Specifically, M-Audio makes no warranty that the product is fit for any particular purpose.

This warranty shall be construed, interpreted, and governed by the laws of the state of California. If any provision of this warranty is found void, invalid or unenforceable, it will not affect the validity of the balance of the warranty, which shall remain valid and enforceable according to its terms. In the event any remedy hereunder is determined to have failed of its essential purpose, all limitations of liability and exclusion of damages set forth herein shall remain in full force and effect.

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# M-AUDIO®

## USER GUIDE



## Luna

professional  
condenser microphone

care & usage

[www.m-audio.com](http://www.m-audio.com)