

## Lithium Series

Li



Lithium

## LOMC Cartridges

### Recommend for...

- Medium to high mass tonearms to match this low compliance cartridge
- Tonearms able to counterbalance this 12g cartridge
- Systems ready for low output MC cartridges or it requires a head amp or a step-up transformer (SUT)
- those seeking a more intimate presentation of the musicians while the core and timbres of the instruments are better perceived. The high-frequencies on the **Lithium (Li)** are silkier, the mid-band is more in the laid back, damped, relaxed and the bass is rounder compared to the **Aluminum (Al)** version. The copper content in this alloy provides a well-balanced damping effect that gives this warmer and silkier result.

### Features & Innovations

- Fully modular concept and interchangeable motor, shell, and wood at your will
- Tonality and resonance controllable system
- Three (3) voicing fine-tuning micro setscrews
- Sharp perimeter edges for trouble-free cartridge installation and alignment
- Five (5) different geometric positions for overhang adjustment
- Straightforward to service: i.e. quick phono cartridge and wood insert installation (parts renewal or simply swapping)
- Wide front clearance for stylus ease of view
- Durable and recyclable cartridge and shell
- Very precisely machined ( $\pm 0.001"$ )
- Upgradable part options (motor, many wood species, finish and more)
- Almost infinite sonic tuning capability.

# MusiKraft®

- Take Control of Your Sound -

### What makes the new **Nitro** cartridges sound so good?

**Audio MusiKraft** is a small core of experienced craftsmen and devoted music lovers dedicated to bringing you some outstanding phono cartridges with exceptional value; all the while advancing the utmost goal: **True Musical Fulfillment**.

During the development process, our team's most precious tool is our trained ears. We believe doing **better listening test practices** where others skim. We invested lots of time in designing and refining the new cartridge kits so they perform right from start. Knowing that a generator is very sensitive, we have improved the motors for the **Nitro** series. Our guiding principle is to allow **control over the cartridge** performance once on the field. Our unique **fully tunable** concept lets the listener select what's best for him by choosing the motor, the optimal chassis, the right tone wood amalgam, and the final voicing through strategically positioned fine-tuning micro-screws. Today we are offering you an impeccable product which not only **outperforms others** but will literally give you a musical and sonic experience within each listening session. Simply put, our many years working in audio is your **best guarantee** to get a perfectly designed product.

Additionally, to ensure your long-term satisfaction, the most powerful feature of our **«all-in-one»** cartridge modular design is **lifetime recyclable**, allowing you to change or swap some parts whenever you require an improvement. **Audio MusiKraft** now invites you to **take control of your sound...**

### Characteristics:

1. Available in two (2) distinct motors: **Nitro 1** and **Nitro 2**;
2. Offered in a **mirror hand-polished** finish;
3. Each kit **includes three (3) pre-selected tone wood sets** to cover a large musical and sonic spectrum, damping oil, and also included are a complete tool kit and various screws for a trouble-free installation.



Standard tone wood inserts may differ from actual picture

Mirror

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### Motors from which to choose

Audio MusiKraft offers two distinct cartridge motors: **Nitro 1** and **Nitro 2**.

Mechanically, both motors closely resemble each other. To help distinguish them the external finish on the **Nitro 2** is gold plated. The main difference stems from the **Nitro 2** possessing a higher degree of copper wire purity resulting in a more faithful reproduction. Electrically; the **Nitro 2** has a lower DC resistance so the recommended load is slightly different from each other and the **Nitro 2** is slightly lower in output voltage than the **Nitro 1**.

**Nitro 1** Essentially the **Nitro 1** is pleasing to listen to, it provides vivid sound which translates to a more «forefront» presentation. It offers more midrange bloom and it confers more presence than the **Nitro 2**.

**Nitro 2** The listener looking for a more neutral and precise reproduction will prefer the **Nitro 2** version. Subjectively, this one has a flatter frequency response in its entire passband. It has slightly better and refined timbre than the **Nitro 1**, especially notable in the mid-range portion; thanks to the use of 6N pure copper wire. Its lower moving coil equipment mass ensures quicker transients.

### Technical Specifications

	Lithium (Li)	
	Nitro 1	Nitro 2
Series:	Lithium (Li)	
Motor model:		
<b>Shell specifications:</b>		
Alloy material:	lithium	
Protective layer:	paste seal	
Finish:	mirror / hand polished	
Color:	natural	
Shell weight (nude):	3.9g	
Headshell mount:	per EIA Standards, 1/2"	
Shell cover threads:	10 - M2.5 x 0.45 (5 overhang positions)	
Cover depth clearance:	2.2mm (max. screw length)	
Tone wood inserts (3 species incl.):	Beeswaxed torrefied pine, lacquered maple and oiled ipé	
<b>Cartridge specifications:</b>		
Generating system:	LOMC (low output moving coil)	
Channel:	2, stereo	
Cartridge size (LxWxH):	28.5 x 18.0 x 17.7mm	
Cartridge weight (with wood inserts):	11.5g - 12.0g	
Coil conductor:	copper	6N pure copper
<b>Diamond:</b>		
Stylus shape:	conical	
Tracking tip size:	0.65 mil	
Cantilever:	light alloy	
<b>Measurements:</b>		
Playback frequency response:	20-45,000 Hz	
Channel separation (1 kHz):	> 25 dB	
Channel sensitivity difference (1 kHz):	< 1 dB	
Output voltage (1 kHz, 50mm/sec.):	0.35 mV	0.30 mV
Stylus pressure (vertical tracking force):	2.5 ± 0.3 g	
Compliance (on disc):	5 x 10 <sup>-6</sup> cm/dyne	
Electrical impedance (1 kHz):	40Ω ± 20 %	14Ω ± 20 %
Recommended load resistance:	100Ω min. (40 Ω min. SUT)	100Ω min. (14Ω min. SUT)

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