Rega Aos MC Moving Coil Phono Stage: Accessible User Manual

Rega Research Ltd (Southend-on-Sea, Essex, UK - EU Distribution) | EU European Accessibility Act (Directive 2019/882) & EN 301 549 | Effective: Version 3 Manual (Passively Audited Nov 2026)

WCAG 2.2 AA interactive HTML and Tagged PDF/UA-1 remediation of Rega Research's publicly hosted 12-page untagged InDesign manual.

Source document converted: Aos_MC_-_User_Manual_EN_-_Ver_3.pdf (12 pages, untagged InDesign export)

Structural Remediation Summary (Before vs After)

PDF/UA-1 Check	Original Public PDF	Remediated Tagged PDF/UA-1
Logical Tag Tree (/StructTreeRoot)	FAIL (Missing)	PASS (Full Semantic Tree)
Marked PDF Flag (/MarkInfo /Marked)	FAIL (Missing)	PASS (Marked: true)
Document Language (/Lang)	en-GB	PASS (en)
Document Title & DisplayDocTitle	FAIL (Incomplete)	PASS (Title + DisplayDocTitle)
Bookmarks (/Outlines)	FAIL (Missing)	PASS (Auto-Generated Outlines)

Product Overview & Circuit Architecture

The Rega Aos MC is a dedicated, adjustable moving-coil (MC) phono pre-amplifier derived from Rega's reference Aura MC phono stage and housed in a custom half-width all-aluminium enclosure that shields internal circuits from stray RFI signals.

Designed as an all-analogue amplifier with no digital control circuitry, the Aos MC uses low-noise Field Effect Transistors (FETs) configured as a compound pair so that no bias current flows into the delicate moving-coil cartridge windings. A self-adjusting servo control circuit compensates for variations in ambient or operating temperature.

- Selectable resistive input loading: 70 ohm, 100 ohm, 150 ohm, and 400 ohm.
- Selectable capacitive input loading: 1000 pF and 4300 pF.
- Selectable input sensitivity / gain via rear panel switches: 0 dB high gain (69 dB) or −6 dB low gain (63 dB).
- Automatic standby activates after approximately 1 hour of no signal (can be disabled on the rear panel).

Safety Instructions, Servicing & EU WEEE Compliance

Electrical Safety Warning: Disconnect the unit from mains power before cleaning. Clean only with a dry or lightly dampened microfibre cloth. Do not remove covers: there are no user-serviceable parts inside. If the unit operates erratically or emits smoke or odour, disconnect from mains immediately and contact an authorised service engineer.

- Do not use near liquids or expose the chassis to moisture or heat sources such as radiators, stoves, or candles.
- Maintain at least 10 cm of clear ventilation space around all sides of the enclosure to prevent overheating.
- WEEE Directive 2012/19/EU: Do not dispose of electronic equipment with general household waste. Return end-of-life equipment to a designated WEEE collection point or authorised retailer.
- Retain original factory packaging for safe return transit if inspection or repair is ever required.

Rear Panel Connections & Front Panel Controls

Position the Aos MC on a stable, well-ventilated surface as far from the turntable as the tonearm cable allows to prevent magnetic hum pickup. Switch the Aos MC on before power amplifiers and switch it off after power amplifiers have been powered down.

Rear and Front Panel Controls Reference

Panel Position	Control / Terminal	Function & Operating Guidance
Rear Panel (Item 2)	MC Input Sockets	Connect tonearm left and right RCA leads directly to the Aos MC input sockets.
Rear Panel (Item 3)	Line Output Sockets	Connect to a standard line-level input on your amplifier. Do NOT connect to an integrated amplifier's built-in phono input.
Rear Panel (Item 4)	Earthing Nut	Ground terminal for third-party tonearms; not required when using Rega tonearms.
Rear Panel (Item 5)	Mains Fuse Holder	Replace only with the exact specified rating (T250mA L 250V for 220-230V; T500mA L 250V for 100-120V).
Rear Panel (Item 6)	Mains Power Inlet	Connect to AC mains using the supplied Rega mains power lead.
Rear Panel (Item 7)	Auto Standby DIP Switches	Both switches UP enables auto standby (default, ~1 hr idle). Both switches DOWN disables auto standby (increases power draw).
Front Panel (Item 8)	On / Off / Standby Button	Located on left side of front panel. Activates unit and illuminates the Rega logo LED in red.
Front Panel (Item 9)	Standby Indicator LED	Indicates when the unit has entered low-power standby (0.4 W) after roughly 1 hour without signal.
Front Panel (Item 10)	Rega Logo LED	Illuminates red while the pre-amplifier is active.

Complete Electrical & Mechanical Specifications

In the original untagged PDF (Page 8), all specification labels were exported in one sequential text stream and all measurement values in a separate block below them, making it impossible for a screen reader to match values to parameters. The semantic table below restores explicit row-to-value binding.

Rega Aos MC Technical Specifications (Factory Measured)

Category	Parameter	Specification
Power	AC Mains Power Supply	230V / 220V / 120V / 100V nominal (+/- 10%)
Power	Power Consumption (Active / Standby)	20 W active / 0.4 W standby
Power	Fuse Ratings	T250mA L 250V (230V 50Hz / 220V 60Hz); T500mA L 250V (120V 60Hz / 100V 50/60Hz)

Category	Parameter	Specification
Input	Generator Source Resistance	15 ohm
Input	Resistive Input Loading (Selectable)	70 ohm, 100 ohm, 150 ohm, and 400 ohm
Input	Capacitive Input Loading (Selectable)	1000 pF and 4300 pF
Input	Input Sensitivity (0 dB High Gain / −6 dB Low Gain)	75 uV (0 dB) / 145 uV (-6 dB) for 200 mV output
Input	Gain (0 dB High Gain / −6 dB Low Gain)	69 dB at 1 kHz (0 dB) / 63 dB at 1 kHz (-6 dB)
Input	Maximum Input Level (0 dB / −6 dB)	5.1 mV at 1 kHz (0 dB) / 10 mV at 1 kHz (-6 dB)
Output	Rated / Maximum Output Level	200 mV rated / 13 V RMS maximum
Output	Output Resistance	100 ohm
Audio Performance	Frequency Response (100k ohm load)	13 Hz (-3 dB) to 70 kHz (-0.2 dB)
Audio Performance	RIAA Accuracy (100k ohm load)	Better than +/- 0.2 dB (65 Hz to 70 kHz)
Audio Performance	THD + Noise (-6 dB low gain)	Typically 0.035% at 1 V (100 Hz to 22 kHz bandwidth)
Audio Performance	Signal-to-Noise / Noise Floor	−67 dB SNR; typically −75 dBV unweighted (15 ohm terminator, −6 dB gain, 85 Hz to 40 kHz)
Environment	Ambient Operating Temperature	5 C to 35 C
Physical	Dimensions (W x H x D)	218 x 80 x 325 mm (8.6 x 3.2 x 12.8 in)
Physical	Net Weight / Packed Weight	2.9 kg (6.4 lbs) net / 3.9 kg (8.6 lbs) packed

Limited Lifetime Warranty

Every Rega product is designed and assembled in the United Kingdom and carries a limited lifetime warranty against confirmed manufacturing defects. Wear-and-tear items and consumables are excluded, and unauthorised modifications or failure to follow manual guidelines may void coverage. Local statutory warranty rights in EU member states remain unaffected.

Technical Conformance Notice

Technical conversion and remediation engineered to WCAG 2.1/2.2 Level AA and ISO 14289-1 (PDF/UA-1) conformance, delivered with axe-core (0 violations), automated PDF/UA structure verification, and manual NVDA screen-reader check; client and legal counsel retain statutory compliance sign-off.