



AT-LP5 technical specifications

Turntable Specifications

Type	2-Speed, fully manual operation
Motor	DC motor
Drive Method	Direct drive
Rotation Speeds	33-1/3 RPM, 45 RPM
Turntable Platter	Die-cast aluminium, precision machined
Rubber Mat Weight & Dimensions	370 g - Ø 294 mm x 5 mm (thickness)
Starting Torque	>1.6 kgf.cm
Braking System	Electronic brake
Wow and Flutter	< 0.2% WRMS (33 RPM)
Signal-to-Noise Ratio	> 50 dB
Outputs levels	
"PHONO" (Pre-amp bypassed)	4 mV nominal at 1 kHz, 5 cm/sec
"LINE" (Pre-amp engaged)	150 mV nominal at 1 kHz, 5 cm/sec
Phono Pre-Amp Gain	36 dB nominal, RIAA equalized
USB Function	
A/D, D/A	16 bit 44.1 kHz or 48 kHz USB selectable
Computer Interface	USB 2.0 Compliant Windows XP, Vista or MAC OSX

Tonearm Specifications

Type	Static balance J-shaped tonearm
Effective Length	247 mm
Overhang (typical)	17 mm
Maximum Tracking Error Angle	Less than 2.3° at any point of the record
Stylus Pressure Adjustment Range	0 to 5 g
Applicable Cartridge Weight (including headshell weight)	15 to 20 g

Audacity

System Requirements	PC or Mac with an available USB port (USB1.1 or higher) Mac running OS X 10.4 or later or PC running Windows (Vista and above)
Installation	CD-R or CD-RW writer for burning CDs & software installation Includes Audacity software for PC & Mac users

Cartridge and Headshell Specifications

Cartridge Model	AT95EX
Cartridge Type	VM Design Stereo Dual Moving Magnet
Recommended Load Impedance	47,000 Ohms
Output Voltage	4 mV (at 1 kHz, 5 cm/sec)
Stylus Elliptical	0.3 x 0.7 mil elliptical
Tracking Force Range	1.5 to 2.5 g (standard 2 g)
Cartridge Weight	(AT95EX) 5.7 g
Headshell Model	AT-HS10
Headshell Weight	10 g
Headshell Overhang Adjustment	± 5 mm

General Specifications

Power Supply Requirement	220 to 240 V AC, 50/60 Hz
Power Consumption	6 W
Dimensions	450.0 mm W x 352.0 mm D x 157.0 mm H
Weight (without dust cover)	7.4 kg

Accessories

Included Accessories	Exclusive AT95EX Dual Moving Magnet stereo cartridge; AT-HS10 Lightweight Headshell; AC line cord; Dual RCA (male) to dual RCA (male) stereo cable; 45 RPM adapter; USB cable; Recording software; Cartridge alignment and overhang adjustment template.
Optional Accessories	AT-LP5DT dust cover with mounting hardware
Available Accessories	ATN95EX replacement stylus for AT95EX cartridge

*Specifications are subject to change without notice.



audio-technica.

Audio-Technica SAS
11, rue des Pyramides
75001 Paris,
France

Tel. : + 33 (0) 1 43 72 82 82
Fax : + 33 (0) 1 43 72 80 70

e-mail: info@audio-technica.fr
www.audio-technica.fr

**Audio-Technica Niederlassung
Deutschland**
Lorenz-Schott-Straße 5,
55252 Mainz-Kastel
Deutschland

Tel. : +49 (0) 6134 25734-0
Fax : +49 (0) 6134 25734-50

e-mail: info@audio-technica.de
www.audio-technica.de

Audio-Technica Limited
Technica House
Unit 5, Millennium Way
Leeds LS11 5AL, U.K.

Tel. : + 44 (0) 113 277 1441
Fax : + 44 (0) 113 270 4836

e-mail: sales@audio-technica.co.uk
www.eu.audio-technica.com

Audio-Technica Iberia
A Division of Lexon Distribution s.a.
Rios Rosas 40
08940 Cornellà de Llobregat
Barcelona, Spain

Tel. : + 34 936 021 400
Fax : + 34 936 021 401

e-mail: ventas@lexon.net
www.lexon.net

**Audio-Technica Central Europe
Ltd**
H-1107 Budapest,
Fogadó u. 3.
Hungary

Tel. : +36 (1) 433 34 08
Fax: +36 (1) 431 90 06

e-mail: office-CE@audio-technica-europe.com

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Performance in Technology Purity in Design

A perfect balance of technology and design, the sleek contemporary lines of the AT-LP5 turntable grace any room in the home while delivering performance features born out of Audio-Technica's rich analog heritage.

The direct-drive engine provides playback for both 33 1/3rd & 45 RPM records with a cast aluminium platter and thick damping mat housed together in a structure that has been engineered for minimum chassis resonance, while skilfully retaining the discreet look that complements today's listening environments.



The J-shaped tonearm, engineered to minimise tracking error, harks back to the original Audio-Technica designs of the 1960's & 70's complementing the AT-LP5's clean lines and comes fitted with Audio-Technica's lightweight AT-HS10 headshell and the exclusive AT95EX Dual Moving Magnet cartridge.

Created specifically for the AT-LP5 turntable, the AT95EX cartridge delivers extended frequency and transient response through new materials selected by Audio-Technica's cartridge experts in Japan.

With great attention paid to the complete analog signal path, subtle features such as the gold-plated u-shaped connections of the headshell, the choice of using both the internal or an external phono pre-amplifier, and a stable high-rated internal mains power supply with enhanced grounding, the audio reproduction credentials of the AT-LP5 are assured while the looks simply speak for themselves.

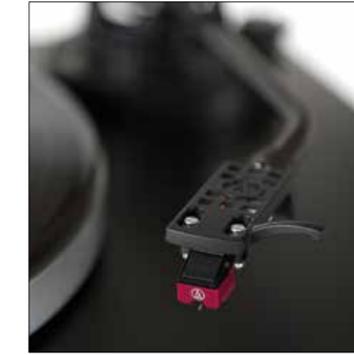
- 1. Ergonomic Start/Stop and Speed Selector**
Top panel-mounted switch selects play (speed 33 1/3 rpm or 45 rpm) and stop (standby) with LED power indicator.
- 2. Anti-Vibration Materials**
Structural design elements include heavy-mass metal inserts fitted to the chassis to minimise unwanted resonance.
- 3. Platter**
Die-cast aluminium platter, precision-machined for perfect on-axis, balanced rotation.
- 4. Direct Drive**
Direct Drive technology provides stable rotation.
- 5. Rubber Mat**
5 mm thick rubber-compound damping mat for improved low-frequency reproduction.
- 6. Cartridge**
AT95EX high-performance cartridge, exclusively designed for the AT-LP5.
- 7. Headshell**
AT-HS10 lightweight (10 grams) headshell can accommodate most half-inch mount cartridges available on the market.
- 8. Tonearm Design & Construction**
AT-LP5 tonearm features metallic gimbal suspension system and precision bearings.
- 9. Tonearm Clamp**
Locks the tonearm when not playing records to avoid accidental damage to the cartridge stylus.
- 10. Tonearm Lift**
Hydraulically damped for slow and accurate tone arm descent and lift.
- 11. Anti-Skate Control Knob**
Applies a small outward force to counteract the natural tendency of a tonearm to move inward as the record rotates.
- 12. Damping Materials**
Engineered damping materials precisely positioned within the chassis make the AT-LP5 a class-leader in limiting low



AT-LP5 - top and rear panel features



- 1. Adjustable Feet**
Isolated and adjustable feet for levelling of turntable when placed in-situ.
- 2. Adjustable Counterweight**
Balances the tonearm and provides adjustment for the correct downward tracking force of the stylus.
- 3. Reinforced Tonearm Mounting Unit**
Computer-aided design reinforced moulded tonearm mounting unit minimises transmission between turntable motor and base through to the tonearm.
- 4. Stereo Analog Audio Outputs**
Audio output on RCA connectors with grounding connector provides connection to amplifiers and external audio equipment using included stereo RCA + ground audio cable or own interconnects.
- 5. Pre-amplifier Selector Switch**
Switch sets analog audio outputs to use AT-LP5 internal phono pre-amplifier for direct line-level connection to amplifiers & external audio equipment; or bypass for connection to either amplifier with dedicated magnetic phono inputs or a standalone phono pre-amplifier.
- 6. Ground Terminal**
Terminal provides grounding connection to external amplifier or phono pre-amplifier using included RCA + ground audio cable or own interconnects.
- 7. USB Output**
Digital audio USB output for direct connection to personal computer (PC/Mac™) using included USB cable. Digitise vinyl with included Audacity® software or other 3rd-party software.
- 8. AC Power Inlet & Master Power Switch**
Directly connect mains to AT-LP5 internal power supply with included IEC power cable or own mains interconnects.
- 9. On/Off Switch**
Master on/off switch to power turntable.
- 10. Dustcover Hinge Mounts with Screws**
Hinge mounting points with screws for optional, removable hinged dustcover.



Cartridge
AT95EX high performance cartridge, exclusively designed for the AT-LP5, supplied fitted on an AT-HS10 lightweight headshell, the combination perfectly balanced for the turntable's J-shaped tonearm.

Universal Headshell Connector
The tonearm twist-locking mechanism allows quick and easy exchange of any universal (SME) headshell.

Headshell
AT-HS10 lightweight (10 grams) headshell can accommodate most half-inch mount cartridges available on the market due to its wide overhang adjustment range of 10 mm. An overhang adjustment template is provided to assist a competent user in fitting an alternative half-inch mount cartridge.



Tonearm Lift
Hydraulically damped for slow and accurate tone arm descent and lift.

Anti-Skate Control
Applies a small outward force to counteract the natural tendency of a tonearm to move inward as the record rotates.

Adjustable Counterweight
Balances the tonearm and provides adjustment for the correct downward tracking force of the stylus. A tracking force range from 0 to 5 grams is possible with a typical cartridge weight of 7 to 8 grams.



Ergonomic Start/Stop and Speed Selector
Top panel-mounted switch selects play (speed 33 1/3 rpm or 45 rpm) and stop (standby) with LED power indicator (main power switch on rear).

Direct Drive
Direct Drive technology provides stable rotation at 33 1/3rd RPM from start-up in less than 1.7 seconds.



Platter
Die-cast aluminium platter, precision-machined for perfect on-axis, balanced rotation.

Rubber Mat
5 mm thick rubber-compound damping mat for improved low-frequency reproduction.

Anti-Vibration and Damping Materials
Structural design elements include anti-vibration damping materials and heavy-mass metal inserts fitted to the chassis to minimise unwanted resonance, making the AT-LP5 a class-leader in limiting low frequency acoustical feedback.