



audio-technica



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.

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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 frequency acoustical feedback.



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 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.

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)	3.5 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
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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	3.5 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; Dust cover with mounting hardware; Cartridge alignment and overhang adjustment template.
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Available Accessories	ATN95EX replacement stylus for AT95EX cartridge
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*Specifications are subject to change without notice.



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1. Ergonomic Start/Stop and Speed Selector

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2. Anti-Vibration Materials

Structural design elements include heavy-mass metal inserts fitted to the chassis to minimise unwanted resonance.

3. Platter

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6. Cartridge

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Headshell Weight	10 g
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