









# 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

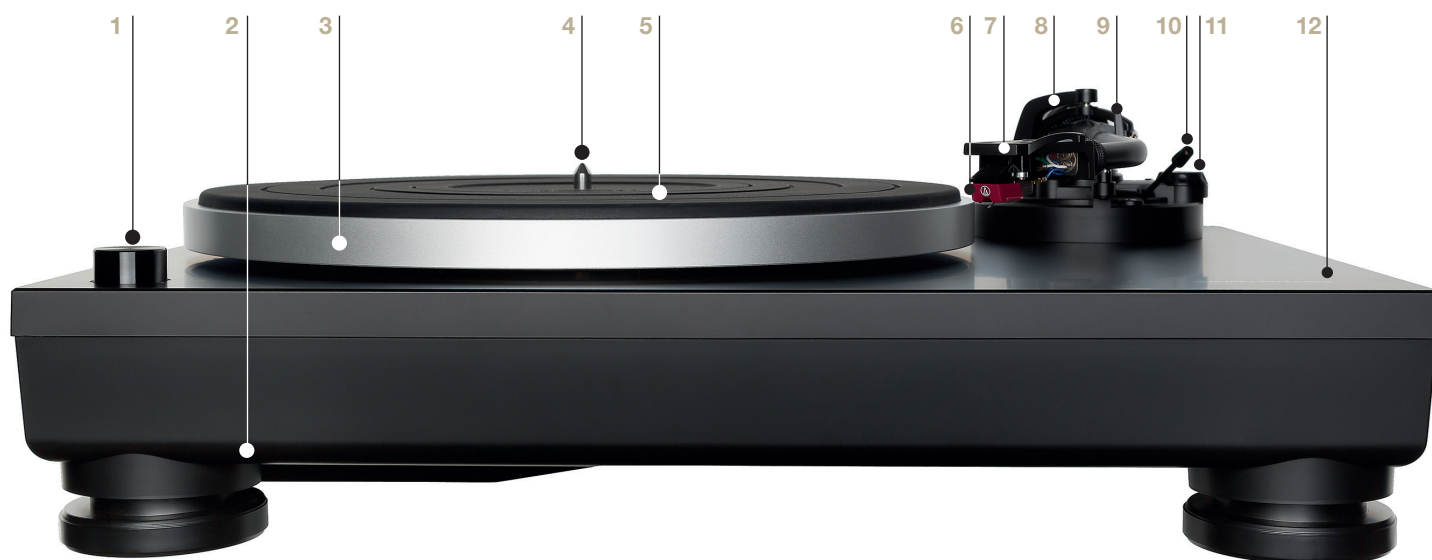
Hydraulically damped for slow and accurate tone arm descent and lift.

#### 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 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 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.



# 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
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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	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.
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Optional Accessories	AT-LP5DT dust cover with mounting hardware
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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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