



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.

#### 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

|   |  |
|---|--|
| <b>Type</b>                               | 2-Speed, fully manual operation        |
| <b>Motor</b>                              | DC motor                               |
| <b>Drive Method</b>                       | Direct drive                           |
| <b>Rotation Speeds</b>                    | 33-1/3 RPM, 45 RPM                     |
| <b>Turntable Platter</b>                  | Die-cast aluminium, precision machined |
| <b>Rubber Mat Weight &amp; Dimensions</b> | 370 g - Ø 294 mm x 5 mm (thickness)    |
| <b>Starting Torque</b>                    | >1.6 kgf.cm                            |
| <b>Braking System</b>                     | Electronic brake                       |
| <b>Wow and Flutter</b>                    | < 0.2% WRMS (33 RPM)                   |
| <b>Signal-to-Noise Ratio</b>              | > 50 dB                                |

### Outputs levels

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| <b>"PHONO"</b> (Pre-amp bypassed) | 4 mV nominal at 1 kHz, 5 cm/sec   |
| <b>"LINE"</b> (Pre-amp engaged)   | 150 mV nominal at 1 kHz, 5 cm/sec |

|                           |                               |
|---------------------------|-------------------------------|
| <b>Phono Pre-Amp Gain</b> | 36 dB nominal, RIAA equalized |
|---------------------------|-------------------------------|

### USB Function

|                           |  |
|---------------------------|--|
| <b>A/D, D/A</b>           | 16 bit 44.1 kHz or 48 kHz USB selectable       |
| <b>Computer Interface</b> | USB 2.0 Compliant Windows XP, Vista or MAC OSX |

## Tonearm Specifications

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

## Audacity

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

## Cartridge and Headshell Specifications

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Cartridge Model</b>               | AT95EX                              |
| <b>Cartridge Type</b>                | VM Design Stereo Dual Moving Magnet |
| <b>Recommended Load Impedance</b>    | 47,000 Ohms                         |
| <b>Output Voltage</b>                | 4 mV (at 1 kHz, 5 cm/sec)           |
| <b>Stylus Elliptical</b>             | 0,3 x 0,7 mil elliptical            |
| <b>Tracking Force Range</b>          | 1.5 to 2.5 g (standard 2 g)         |
| <b>Cartridge Weight</b>              | (AT95EX) 5.7 g                      |
| <b>Headshell Model</b>               | AT-HS10                             |
| <b>Headshell Weight</b>              | 10 g                                |
| <b>Headshell Overhang Adjustment</b> | ± 5 mm                              |

## General Specifications

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

## Accessories

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

\*Specifications are subject to change without notice.



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