consumer audio 2011

audio-technica
always listening

audio-technica

always listening

Welcome to Audio-Technica's 2011 consumer audio range, where form meets function to provide you with a stunning yet practical range of headphones, cartridges and accessories. Audio-Technica products achieve the highest level of sonic accuracy coupled with maximum comfort and practicality, giving years of enjoyment.

We hope you find what you're looking for within this catalogue. However should you have any questions, or require any advice to help with your selection, don't hesitate to get in touch with us via **sales@audio-technica.co.uk** or visit our website at **www.audiotechnicashop.com**, where you will find our full range of consumer audio products and up to the minute prices.

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introduction

At 42 years of age, Hideo Matsushita, the founder of Audio-Technica and current chairman of the board left his position leading the Bridgestone Museum of Art in Tokyo where he staged a number of successful LP listening concerts.

The year was 1962. A revolution in sound technology was on the brink of taking place that would have made Thomas Edison both proud and envious.

When Mr Matsushita first opened the doors, in what he described as a one-storey 'barracks' in Tokyo's Shinjuku-ku, Audio-Technica's first home, he may or may not have been aware of the incredible opportunities that lay ahead all around the world. That the bourgeoning youth culture of the time would, in many ways, eventually become key to the development and success of Audio-Technica for its cartridges, headphones and microphones.

AT-701

One of the three inaugural models of dynamic headphones introduced in 1974 to which Audio-Technica devoted all its skills to some 35 years ago.

a message from the president

From the humble beginnings of my father some 47 years ago, Audio-Technica grew to become a leading manufacturer of phonograph cartridges, producing at one stage half the world's cartridges. It was an era when such cartridges were a symbol of technological expertise for audio manufacturers – as cartridges were essential for reproducing sounds from analogue records. At this time, we were also a leading producer of tone arms which were used to support the cartridges. We started to develop headphones in the early 1970s, when the demand for the components was so rapid that it grew on a daily basis. This was an important symbiosis, and we were proud of being able to produce high quality headphones using our precision technology. As both headphones and cartridges are both audio transducers, our aim was not only to make the world's best cartridges, but also the best headphones. In 1974, three models of the inaugural AT-700 series were born. These models represent the origin of our headphones, which has led us to today's ATH series you see here, in this catalogue. Since the introduction of our first headphone 35 years ago, Audio-Technica headphones have developed consistently and continuously to compete with the world's best, in terms of design, technical achievement and quality.

松下和雄

Kazuo Matsushita
President

high-fidelity

open back and closed back headphones

Hi-Fi headphones fall into two basic categories.
One is the open-back headphone, which is designed to allow the passage of air between the ears and the headphones. This design gives a character to the sound that is often described as being very natural, however one disadvantage of the open back design is that the sound is able to leak out making it audible to those around you.

The other is the closed-back type, in which the structure is enclosed to prevent air leaking out. These headphones are designed to reduce the effect of external noise on your listening and also to keep the sound made by the headphone from disturbing those around you.

However some types incorporate features of both and it's difficult to clearly categorise them. The design of the driver units differs from model to model, to provide differing qualities of acoustics and comfort.

Looking back at our history, we can see that popularity of the two types has changed from era to era. In the 1980s, open-backed types were more mainstream, whilst recent years have favoured closed-back.

Now, yet again, we are seeing a resurgence in the popularity of open back models.

open back

These open back headphones produce no sense of pressure on the ears resulting in a completely natural listening experience.

AD1000

With a specially designed diaphragm and a high purity OFC-7N voice coil, the AD1000s faithfully recreate a natural sound field and excel at accurately reproducing classical and audiophile material.

Item Code: **ATH-AD1000**

Features

- Large 53mm aperture drivers based around bobbin-wound CCAW voice coils regenerate the audio signal with crisp resolution and deep, balanced bass
- Lightweight aluminium honeycomb casing and soft ecsaine ear pads allow for long periods of wear in total comfort
- Unique 2-part headband with self-adjusting wings which exert little pressure and no force on the crown of your head.

AD900

AD900 headphones have a super wide frequency response. Designed to capture the most subtle of nuances from the deepest resonant bass sounds to the highest of harmonics, you can be assured you are catching every detail of the music.

Item Code: **ATH-AD900**

Features

- Magnesium frame construction achieves 250 gram body weight
- 5-35,000hz frequency response captures every detail
- Specially formulated super conductive cable with aluminium and gold plated housing for a stylish finish and enhanced performance.

AD700

Some high quality headphones need a separate amplifier to produce the best results. Not so for the striking AD700 headphones, which, with their low 32ohms impedance rating, can deliver smooth and relaxed powerful sound, even from small portable devices.

Item Code: **ATH-AD700**

Features

- Full open-air type headphones produce no sense of pressure on the ears, resulting in a completely natural sensation
- Lightweight honeycomb aluminium casing and magnesium frame structure
- High-quality hybrid PCOCC and titanium alloy cord.

AD500

The AD500s produce remarkably natural sound, thanks in part to the use of a large 53mm driver and copper clad aluminium bobbin type voice coil. This combination rewards the listener with deep, resonating bass and outstanding vocal projection.

Item Code: **ATH-AD500**

Features

- Remarkably natural sound, with deep, resonating bass and outstanding vocal projection
- Large-aperture 53mm drivers with neodymium magnet systems and CCAW voice coils for superior sound reproduction
- Self-adjusting 3D Wing Support Housing provides comfortable support for a more enjoyable listening experience.

AD300

These open-back headphones are truly comfortable due to their astonishing light-weight and unique 3D wing support. Smooth velvety ear pads add the final touch as you prepare to sit back and submerse yourself in music.

Item Code: **ATH-AD300**

Features

- Open-air headphones produce no sense of pressure on the ears, resulting in a completely natural sensation
- Lightweight honeycomb aluminium casing
- 40mm drivers with neodymium magnet systems for superior sound reproduction.

closed back

These closed back headphones offer deep resonating bass and a remarkably natural spatial acoustic performance.

A900

The A900 headphones reward the listener with superior, deep natural bass, highly accurately detailed highs and vocal projection unmatched in its class.

Item Code: **ATH-A900**

Features

- High quality headphones with Aluminium housing in matte blue
- D.A.D.S. (Double Air Damping System) for enhanced natural sounding bass reproduction
- Cloth jacket Hi-OFC 3.0 meter single sided cable with aluminium and gold plated connector.

A700

These metallic black closed-back dynamic headphones deliver audiophile-quality acoustic performance with full, rich balanced bass. With an extended frequency response of 5-35,000 Hz, it is not just the looks that will impress, but the incredible sonic performance.

Item Code: **ATH-A700**

Features

- Proprietary large-aperture 53mm drivers with neodymium magnet systems and CCAW voice coils for superior sound reproduction
- OFC (oxygen-free copper) cloth-wrapped cable
- Ear pads featuring Audio-Technica's ultra-comfortable total ear fitting design.

A500

The A500s are high quality closed back headphones finished in cool metallic grey. The use of our specially developed D.A.D.S. technology (Double Air Damping System) delivers enriched and powerful bass.

Item Code: **ATH-A500**

Features

- The unique 3D Wing Support Housing vibration-proof mechanism gives comfortable support for a better listening experience
- Low impedance means the A500s are easy to drive, without the need for additional amplification
- Accurate soundstage and extended-wear comfort makes them ideal for serious gamers as well as music lovers.

the natural collection

Handcrafted using only the finest woods from around the world, Audio-Technica's "Natural Collection" is the pinnacle in audio indulgence.

The subtly beautiful American black cherry of the ATH-W1000X and striking, deep ebony casing of the formidable ATH-W5000 are only the beginning of what these headphones offer.

With superb acoustic reproduction and carefully optimized design, the "Natural Collection" will change the way you listen to music for good.

W5000

Lose yourself in the experience of amazingly rich, high-fidelity sound. Equipped with striped ebony housing for superb acoustic characteristics, the W5000 dynamic headphones achieve new levels of audiophile sound quality and listening comfort.

Item Code: **ATH-W5000**

Features

- Beautifully crafted ebony headphones deliver stunning design, formidable power and ultra-comfortable fit
- D.A.D.S (Double Air Damping System) for enhanced natural sounding bass reproduction
- Presented in a high quality durable hard carrying case and cable storage bag.

W1000X

The new ATH-W1000X wooden headphones provide stand-out style with definitive yet delicate sound reproduction.

Hand finished in American black cherry wood the ATH-W1000X's contain 53mm OFC coil drivers which provide excellent body and improved clarity. An advanced, redesigned 3D wing support system ensures the most luxurious, long listening comfort, with a lightweight magnesium alloy frame featuring integrated baffle.

The newly designed floating mount system enhances the natural qualities of the wooden housings whilst a special 'dual air dampening 'system delivers more linear sound.

Item Code: **ATH-W1000X**

Features

- 53mm titanium driver unit with super high class 8N-OFC voice coil for the ultimate sound reproduction
- Hand finished in American black cherry wood
- Advanced, redesigned 3D wing support system.

WHAT HI-FI? SOUND AND VISION AWARDS 2010

HEADPHONES

BEST HOME ON-EAR HEADPHONES £500-£800

AUDIO-TECHNICA ATH-W1000X

EW9

Adjustable Wooden Clip Headphones

Our flagship clip-on headphones with housings made from Japan's finest Hokkaido cherry tree for a classic finish and improved acoustic qualities. The sliding ear-fitting mechanism with soft rubber support allows the headphone position to be adjusted for individual comfort, providing long hours of rewarding listening.

Item code: **ATH-EW9**

Features

- Lightweight ear-fitting headphones
- World's first wooden clip-on headphones with superior build quality and finish
- 28 mm drivers and neodymium magnets produce a powerful and rich sound.

active noise cancelling

Designed to cut out annoying background noise, these headphones are perfect for travelling, whether on a plane, train or on the road.

Screen out distractions
for highest-fidelity sound

ANC7b

Audio-Technica's ANC7b active noise cancelling headphone is the worthy successor to the award-winning ANC7. This latest model makes listening to music in a noisy environment a pure delight, reducing background noise by up to 90%.

Thanks to their lightweight and compact design, you will arrive refreshed after a long flight, you can avoid distractions in a noisy office or find peace & quiet in your living room.

Featuring large-aperture 40 mm drivers to deliver rich bass and ensure the highest fidelity sound reproduction, the ATH-ANC7b is ideal for use with MP3, CD, DVD & in-flight entertainment systems thanks to the included adapter set.

Item Code: **ATH-ANC7b**

Features

- Award-winning QuietPoint® active noise-cancelling technology reduces environmental noise by up to 90%
- Arrive refreshed after a long flight, avoid distractions in a noisy office, or find peace & quiet in your living room
- Lightweight, compact design is ideal for travel
- Use for MP3, CD, DVD & in-flight entertainment systems; remove detachable cable for noise-cancelling function without audio input
- Closed-back headphones feature large-aperture 40 mm drivers for impactful bass, extended treble and higher fidelity
- Audio functions (in passive mode) even without the battery
- Fully integrated electronics–no external modules needed.

Compact noise-cancellation for use on-the-go.

ANC3

The ANC3 uses patented technology that detects external environmental noise through miniature microphones which are incorporated into each ear bud, and then creates an equal but opposite noise signal which is added to the music signal, cutting out up to 85% of the external noise.

The ANC3 in-ear headphones are perfect for use on airplanes and trains, or whilst exercising or anywhere you want to listen to music - and just the music. Offering total comfort and convenience, the ANC3 comes with three sizes of ear tips (small, medium and large) to give a totally customised fit in the ear canal. The ANC3 includes a compact control unit with a monitor switch that mutes all functions, to let users hear important outside announcements and conversations. These headphones also operate normally in a passive mode when the noise-cancelling function is off so they can be used without batteries.

The ANC3 is supplied in a hard, durable carrying case, with an adjustable cable and an additional extension cable; a clothing clip; an AAA battery and with an airline adapter which can connect to in-flight entertainment systems.

Item Code: **ATH-ANC3BK**

Features

- Effectively reduces environmental noise by up to 85%
- Audio functions (in passive mode) even without battery
- 'Push to Hear' monitor switch which mutes the audio and noise cancelling functions.

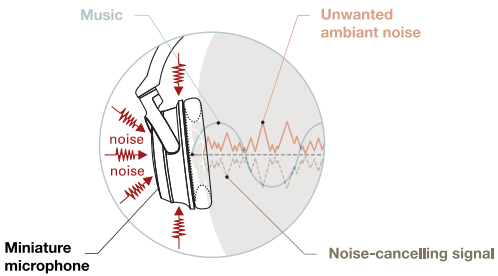
ANC1

Audio-Technica's ANC1 headphone uses an innovative active noise-cancelling technology to provide a comfortable listening environment in areas with high ambient noise. The headphones feature a miniature microphone in each earpiece that picks up ambient noise (such as traffic, air-handling systems, etc.). Electronics in the control box create a noise-cancelling wave that is 180° out of phase with the ambient noise. This wave acts like a noise eraser: it cancels out the annoying sounds that surround you without diminishing the audio you want to hear. The result… a peaceful enclave to enjoy the music or movies of your choice.

Item codes:
ATH-ANC1 (black)
ATH-ANC1 WH (white)

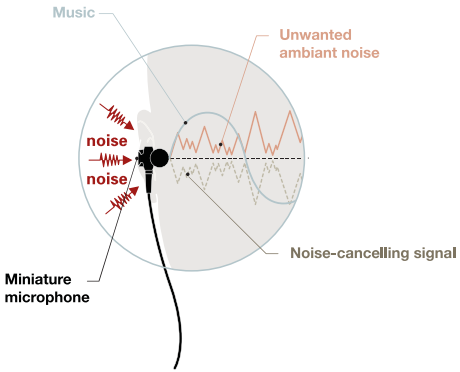
Features

- QuietPoint® active noise cancellation cuts ambient noise by up to 85%
- Clear, high-resolution sound with precise imaging in an immersive sound field
- Ultra-compact foldable design is ideal for travel
- Luxurious earpads and pressure-perfect fit for long-wearing comfort
- Control noise-cancellation with on/off switch; audio functions without battery
- Includes durable zippered pouch, two-prong airline adapter plug, extension cable & AAA battery
- Available in White or Black.



about active noise cancelling headphones

Audio-Technica's ANC7b and ANC1 QuietPoint® headphones use active noise cancelling technology to reduce background noise by up to 85%. A miniature microphone in each earpiece picks up ambient noise, such as the sound of airplane engines & air conditioning systems. Electronics in the earpiece create a noise-cancelling wave that is 180° out of phase with the ambient noise, cancelling out annoying sounds without diminishing the audio you want to hear... a peaceful enclave to enjoy your music & movies.



about active noise cancelling in-ear headphones

Audio-Technica's travel-friendly ANC3 QuietPoint® in-ear headphones reduce distracting background noise by up to 85%. Designed for easy use with MP3, CD, DVD and in-flight entertainment systems, these in-ear headphones feature rare-earth neodymium magnet systems for high-fidelity, true-to-life sound. A single battery powers the active noise-cancelling technology; the audio functions in passive mode event without the battery.

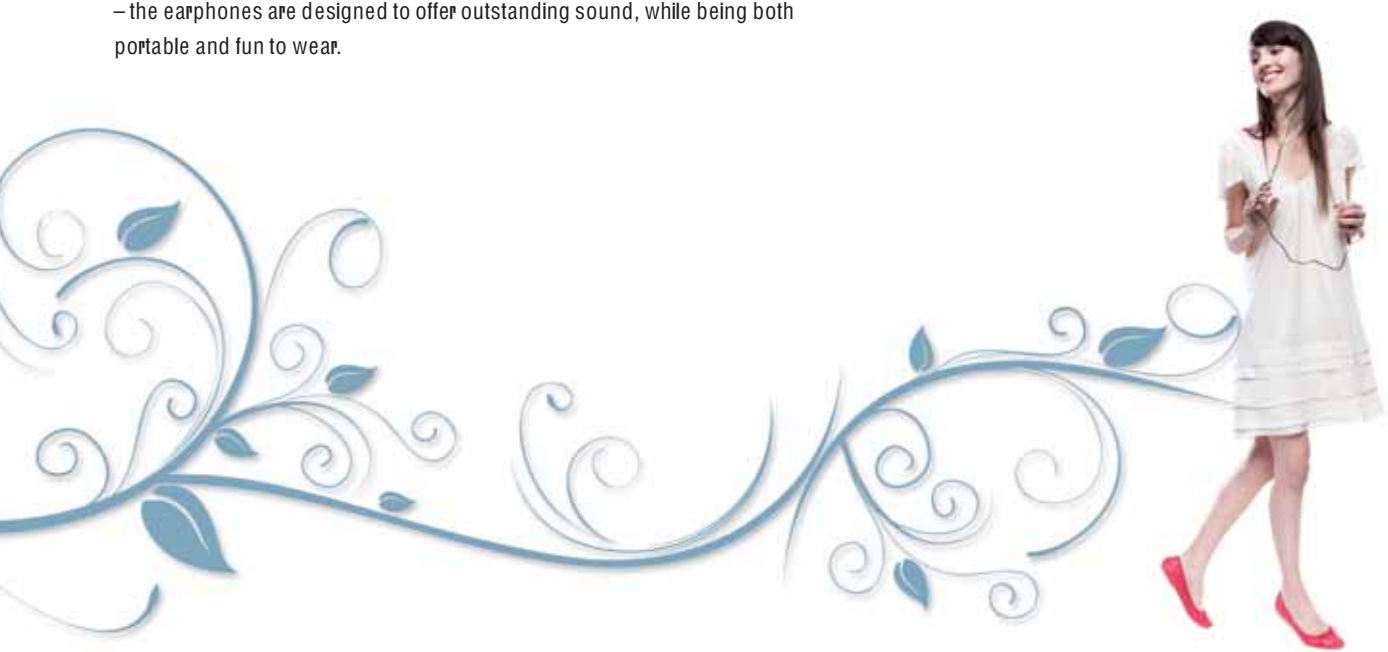
portable earphones

A stylish range of personal headphones designed to be used on the move with your personal audio player. Whether you prefer the convenience of an ear bud design or would rather have a full headband, we have everything you need to choose a headphone to fit with your individual lifestyle.

earphones for women

Earphones are an expression of personal style and individuality and our women's earphones let you listen in your own fashion.

These earphones come in a variety of eye-catching colours and styles that are especially designed to fit women. Their appeal isn't just on the outside – the earphones are designed to offer outstanding sound, while being both portable and fun to wear.



CKF500 Black, Pink & Gold or Ivory

Designed for women, the stylish ATH-CKF500 earphone is embellished with rhinestone detailing, elegant calligraphy and comes with a chic key-shaped cable wrap. The new model is about more than just good looks though, with 8.8mm drivers delivering crisp, high quality audio. The ATH-CKF500 is available in 3 stunning colour options of black, pink & gold and ivory.

Item Codes:
ATH-CKF500BK (black)
ATH-CKF500PGD (pink & gold)
ATH-CKF500IV (ivory)

Features

- Elegant but practical key-shaped cable wrap
- Rhinestone detailing
- Available in Black (BK), Pink & Gold (PGD) or Ivory (IV).

CK303M Black, Black & Pink or Pink

This new earphone model based on the popular ATH-CK300M features a newly improved canal design, which keeps noise out and prevents sound leakage whilst producing a crisp sound quality. From the plug to the driver, each part is assembled with the latest high-end technology and materials for a clean and sharp look.

Item Codes:
ATH-CK303MBK (black)
ATH-CK303MBPK (Black & Pink)
ATH-CK303MPK (pink)

Features

- Newly improved canal design for crisper sound quality and preventing sound leakage
- Available in Black (BK), Black and Pink (BPK) and Pink (PK).

solid bass earphones

The Solid Bass Series in-ear models come equipped with a "two-position post" giving the listener the option of two different earpiece positions for better fit and higher sound insulation.

CKS50

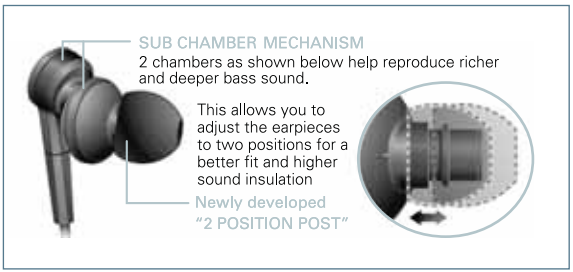
The entry level inner ear headphone from the Solid Bass Series, the ATH-CKS50 features a Dual Chamber Mechanism for enhanced bass and 12.5mm drivers for improved clarity in a truly affordable package.

The CKS50's also feature a "two-position post" allowing the listener to adjust the earpiece for better fit and higher sound insulation.

Item Code: **ATH-CKS50 BK**

Features

- Solid Bass Technology
- Adjustable "Two Position Post" earpiece positions
- Carrying pouch, Ear pieces (S, M and L).



CKS90

The flagship of the Solid Bass Inner Earphones, the ATH-CKS90 features the newly developed Dual Chamber Mechanism for enhanced bass and large 13mm drivers for superb clarity and depth.

The CKS90's also feature a "two-position post" allowing the listener to adjust the earpiece for better fit and higher sound insulation. With increased sensitivity and an improved frequency response the ATH-CKS90 is a truly spectacular earphone.

Item Code: **ATH-CKS90 BK**

Features

- Solid Bass Technology
- Adjustable "Two Position Post" earpiece positions
- Carrying pouch, Ear pieces (XS, S, M and L).

portable headphones

A stylish range of personal headphones designed to be used on the move with your personal audio player. Whether you prefer the convenience of an ear bud design or would rather have a full headband, we have everything you need to choose a headphone to fit with your individual lifestyle.

design

Stylish and portable, these headphones don't just make a statement about your personal style, they also sound superb.

Ultra-sleek contemporary design.

ES7 Black or White

These headphones have a clever design allowing the earcups to fold flat which reduces space and makes them easier to store in a bag or briefcase. They feature an ultra stylish design with polished steel aluminium cups and soft leather-feel pads for total comfort around the ears in any environment.

Item Codes:
ATH-ES7BK (black)
ATH-ES7WH (white)

Features

- Ultra stylish design and total comfort around the ears
- Highly polished mirrored earcups reflect the styling of the iPod
- Impressive 42 mm drivers and neodymium magnets project a powerful sound.

ES10

The ATH-ES10 is the first portable headphone in the Audio-Technica range to feature our newly developed 53mm driver, designed for superb sound quality. The driver unit is integrated with a high-rigidity baffle containing fibreglass to reproduce clear midrange and treble.

The ES10 is encased in titanium housings, which reduce unwanted vibration and ensure highest audio quality, whilst Bobbin wound OFC voice coils help reproduce deep bass sound. The Acoustic seal prevents disturbance from environmental noise.

Slick, foldable design makes the ATH-ES10's easy to store and carry.

Item Code: **ATH-WS50 BK**

Features

- Newly developed 53mm driver delivers superb sound quality
- High-rigidity baffle containing fibreglass for clear midrange and treble
- Titanium housing reduces unwanted vibration
- Bobbin wound OFC voice coils
- Foldable design.

WHAT HI*FI?
SOUND AND VISION
AWARDS 2010

HEADPHONES
BEST PORTABLE ON-EAR HEADPHONES UP TO £100
AUDIO-TECHNICA ATH-ES55

ES55 Black or White

Designed for comfort, quality and portability, every care has been taken when creating the ES55 headphones. From the impressive 40mm neodymium magnets which project powerful sounds, to the carefully crafted earpads that swivel into the ideal listening. Portability is assured as each earpiece can be folded toward the headband, allowing it to fit inside the small protective pouch, which is supplied with the headphones for safe, secure and discreet storage - in a pocket or purse - when not in use.
The ultra stylish design with novel hairline finish of the aluminium housings and soft leather-feel pads give total comfort around the ears in any environment.

Item Codes:
ATH-ES55BK (black)
ATH-ES55WH (white)

Features

- Closed-back headphones that offer both style and portability
- 28 mm drivers and neodymium magnets produce a powerful and rich sound.
- A choice of either black or white finish.

solid bass

Already a best selling range in our home market of Japan, the Solid Bass series utilises our newly developed "Dual Chamber" mechanism to provide deeper and richer bass reproduction.

WS50

The entry level full headband headphone from the Solid Bass Series, the ATH-WS50 features Audio-Technica's newly developed Dual Chamber Mechanism to provide a better and deeper bass quality, as well as reducing sound leakage.

Equipped with powerful 40mm drivers in a lightweight, portable design, the ATH-WS50 is the perfect solution for people on the move as well as users requiring long listening comfort with clear bass and clarity.

Item Code: **ATH-WS50 BK**

Features

- Solid Bass Technology
- Dual Chamber Mechanism for better and deeper bass quality as well as reduced sound leakage
- Powerful 40mm Drivers for a rewarding listening experience.

WS70

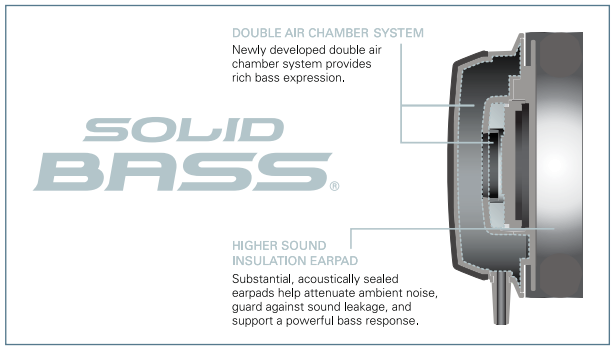
The flagship full headband headphone from the Solid Bass Series, the ATH-WS70 features a Dual Chamber Mechanism, designed to provide a better and deeper bass quality.

The WS70 also features a full aluminium housing for light and precise sound reproduction. A powerful 40mm driver and increased frequency response ensure the WS70's sit firmly at the top of the Solid Bass Series, offering rewarding bass and detailed, spacious sound.

Item Code: **ATH-WS70**

Features

- Solid Bass Technology
- Dual chamber mechanism, designed to provide better and deeper bass quality
- Extended frequency response for improved audio reproduction
- Stylish aluminium housing, making you stand out from the crowd.



dj style

SJ55 Black or White

These portable headphones incorporate DJ style mobility, including swivel housing and one ear monitoring, with each ear piece designed to turn both horizontal and vertical. SJ55s offer wider frequency response than the SJ33 and feature leather earpads and metal plates.

Item Codes:
ATH-SJ55BK (black)
ATH-SJ55WH (white)

Features

- Stylish design and total comfort around the ears
- Ear pieces turn 90 degrees horizontally and 180 degrees vertically
- Impressive 40mm drivers and neodymium magnets project a powerful sound.

SJ33 Black or White

These portable headphones incorporate DJ style mobility, including swivel housing and one ear monitoring, with each ear piece designed to turn both horizontal and vertical. Sophisticated driver technology provides very high sound pressure levels while maintaining exceptional clarity of sound.

Item Codes:
ATH-SJ33BK (black)
ATH-SJ33WH (white)

Features

- DJ tailored frequency response for beat matching
- Ear pieces turn 90 degrees horizontally and 180 degrees vertically
- Impressive 42mm drivers and neodymium magnets project a powerful sound.

stylish retro

RE70

Based on the original ATH-2 Audio-Technica headphone introduced over 30 years ago, the ATH-RE70 has been updated with the latest technology and remodelled to bring you a pair of stylish retro headphones designed to get you noticed. Available in classic off white with a complimentary brown leather headband, these headphones really make a statement.

Item Code: **ATH-RE70WH**

Features

- Modern performance in a classically styled package
- Off-white finish for that truly retro look
- Complimentary brown leather headband improves listener comfort and durability
- Adjustable headband and swivelling earcup for long listening sessions.

colour

FC700 Black, White or Pink

The Audio-Technica FC700s are designed with portability and comfort in mind. Their foldable ear cups make them easier to store and carry whilst their lightweight body and soft ear pads ensure maximum comfort. The FC700s are available in three stylish colours.

Item Codes:
ATH-FC700BK (black)
ATH-FC700WH (white)
ATH-FC700PK (pink)

Features

- Foldable ear cups for easy storage
- Lightweight design for maximum comfort
- 3 stylish colours available.

Pristine sound, optimal comfort.

Mix and match to suit your style.

WM55 Black, Red or White

The newly designed ATH-WM55 headphones feature a powerful 30mm driver unit for clean and crisp audio quality. They are available in 3 different colours each containing 4 different coloured earcups so you can mix and match the colours on each side of the headphones to suit your changing style! These stylish headphones also feature a 1m cord which cleverly retracts into the earcup so you don't have excess cable length between the headphone and your portable music player.

Item Codes:
ATH-WM55BK (black)
ATH-WM55RD (red)
ATH-WM55WH (white)

Features

- 30mm driver for clean and crisp audio quality
- Change the style of your headphones with the included set of removable earcups
- Retractable cord design removes unneeded cable and makes storage easier.

multimedia headset & mobile phone earset

multimedia headset

750COM

Audio-Technica's ATH-750COM USB headset features large 40mm diameter CCAW voice coil drivers and a condenser microphone on a flexible gooseneck for perfect placement. The headset also comes with a volume control unit and mic mute button all brought together in a compact foldable design for maximum portability, whether it be in a desk drawer or bag.

Item Code: **ATH-750COM**

Features

- Large 40mm drivers for powerful and precise audio playback
- Condenser microphone for superb audio clarity
- Volume control unit with mic mute button
- Compact foldable design for maximum portability.

mobile phone earset

CK400i

A stylish, yet simple to use canal type headset features an Apple in-line controller and is designed for use with iPhone, iPad, iTouch and iPod Nano. The control allows the listener to adjust volume, select music, voice record and answer a phone call. The ATH-CK400i comes in 3 stylish colours – Black, White and Pink.

Item Code: **ATH-CK400i**

Features

- Play, Pause, Fast Forward and Rewind with one button
- Built-in condenser microphone perfect for phone calls and voice memos
- Compatible with iPod, iPhone and iPad models.

professional turntable, cartridges and step-up transformer

professional turntable

LP120 USB

This professional turntable features a high-torque direct-drive motor for quick start-ups and a USB output that connects directly to your computer. Other features include: forward and reverse play capability; cast aluminium platter with slip mat and a start/stop button; three speeds 33/45/78; selectable high-accuracy quartz-controlled pitch lock and pitch change slider control with +/-10% or +/-20% adjustment ranges; and removable hinged dust cover. A selectable internal stereo phono pre-amplifier allows the turntable to plug directly to components with no dedicated turntable input. A USB cable and adapter cables are included along with Mac- and PC-compatible Audacity software to digitize your LPs.

Item code: **AT-LP120-USB**

Features

- USB output—connects directly to your computer for plug-&-play use
- Mac- and PC-compatible Audacity software digitizes your LPs
- Direct drive high-torque motor
- Selectable 33/45/78 RPM speeds
- Professional cast aluminium platter with slip mat
- Integral Dual Magnet™ phono cartridge with replaceable stylus
- Balanced tone arm with soft damping control
- Switchable built-in pre-amplifier with line-level RCA output cables
- Included cables connect to your stereo or powered speakers
- Stroboscopic platter speed indicator
- Forward and reverse play.

moving magnet cartridges

AT120E/T

The AT120E/T moving magnet cartridge features Audio-Technica's Vector-Aligned Dual Magnet design and exclusive Paratoroidal Signal Generator.

This unique signal generating system is composed of a unified, laminated coil core wound with a single piece of wire. Internal mechanical and electrical connections are eliminated, minimizing magnetic losses and ensuring better signal transfer.

Item Code: **AT120E/T**

AT440MLa

The AT440MLa dual magnet cartridge features a MicroLine shaped, diamond tip for improved high frequency response with less wear and distortion than conventional linear or elliptical styli.

The MicroLine stylus almost exactly duplicates the shape of the cutting stylus used to produce the original master disc. This enables it to track portions of the groove other styli cannot reach, resulting in extremely accurate tracing of high frequency passages and ruler-flat frequency response within the audible range.

The AT440MLa also features Audio-Technica's unique Paratoroidal Signal Generator meaning internal mechanical and electrical connections are eliminated, minimizing magnetic losses and ensuring better signal transfer.

A gold plated beryllium cantilever improves stability whilst the dual magnet system offers excellent channel separation.

Item Code: **AT440MLa**

AT91BL

One of the most popular entry level cartridges available today. The AT91 features a conical stylus and robust housing for reliable, long lasting performance.

Recommended by industry professionals as the go-to cartridge for entry level systems and older record players alike, the AT91 is a truly versatile solution.

Item Code: **AT91BL**

AT95EBL

The AT95 provides outstanding overall performance for mid-range systems due to its elliptical diamond stylus and dual magnet setup.

Featuring the same dual magnet design as Audio-Technica's celebrated AT440MLa and AT150MLX cartridges, the AT95 has found popularity amongst entry to mid-level enthusiasts for its excellent value for money.

Item Code: **AT95EBL**

moving coil cartridges

AT-F3

The Audio-Technica AT-F3/III stereo cartridge provides excellent all round performance for those seeking an entry level moving coil cartridge. Featuring a dual coil design and elliptical stylus the AT-F3 comes finished in a stylish silver and blue housing.

The elliptical stylus has two radii, the front radius being wider than the side radius. This allows the stylus to ride in the centre of the groove, while the smaller side radius can more accurately track higher frequencies.

The F3 features a dual coil design which ensures clarity of sound and improved frequency response.

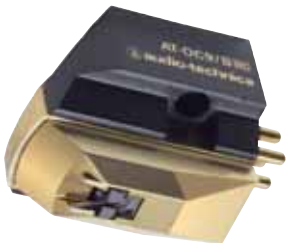
Finished in a stylish silver and blue housing.

Item Code: **AT-F3**

AT-F7

The new Audio-Technica AT-F7 stereo cartridge features our celebrated dual coil design and elliptical stylus for class leading quality of sound and reliability.
The elliptical stylus has two radii, the front radius being wider than the side radius. This allows the stylus to ride in the centre of the groove, while the smaller side radius can more accurately track higher frequencies.
The dual coil design of the AT-F7 provides outstanding clarity and transparency of tone along with improved frequency response and precise stereo imaging.
Finished in a stylish silver housing.

Item Code: **AT-F7**



AT-OC9ML3

The OC9ML3 replaces the critically acclaimed OC9MLII. Building on the enduring reputation of its predecessor, the OC9ML3 features a special line contact stylus embedded into a low profile solid boron cantilever, ensuring the music signals read by the tip of the stylus are transmitted reliably to the coils. The OC9's "VC mould" design ensures stability and rigidity whilst the dual moving coil offers excellent stereo separation and improved frequency response for long lasting performance.

The use of PCOCC wire (Pure Copper by Ohno Continuous Casting), a special copper with virtually no transverse crystal barriers to impede signal transmission, greatly improves the performance of the advanced dual coil design.

Item Code: **AT-OC9ML3**

AT33EV

The original model of this stereo cartridge is the AT33ANV, which was available as a special release to celebrate our 45th anniversary. The A33ANV was the first in the AN33 series to feature a Duralumin cantilever, which received wide acclaim for its sound quality. Retaining the basic specification, we present a further improved and evolved model.

The A33EV is a ½ inch, standard mount 0.3 x 0.7 mm elliptical cartridge featuring a tapered Duralumin cantilever which reduces the effective mass of the cartridge, resulting in a more durable cantilever. The Dual Moving Coil cartridge design increases channel separation and extends the frequency response range delivering extraordinary audio quality. Internally constructed with a neodymium magnet enhances magnetic energy and PCOCC wire for pure audio transmission.

Item Code: **AT33EV**

moving coil mono cartridge for mono vinyl

AT33MONO

The AT33Mono is made specifically for use on mono systems. It has a horizontal coil, and so in principle only generates electricity horizontally.

The AT33Mono produces sound to a very high quality because it does not easily pick up unnecessary strain components from distorted or scratched records, producing audio that you couldn't possibly get from a stereo cartridge.

The AT33Mono also has appropriate compliance in the vertical direction, so will not cause damage to stereo records. Enjoy those well-known classic mono records of yesteryear with the AT33Mono.

Item Code: **AT33MONO**

moving coil mono cartridge for 78rpm phonograph records

ATMONO3/SP

The Audio Technica AT-MONO 3/SP cartridge is special – redesigning not just the needle, but the whole cartridge especially for “shellac” or phonograph records. A high output moving coil cartridge of excellent production quality and wound with PCOCC coil for signal purity, it is designed to deliver excellent fidelity and superb clarity when playing 78 RPM mono records. With its high output of 1.2 mV, it can be used without additional pre-amplification or a MC transformer.

Proven in use for many years in Japan, the Audio-Technica AT-MONO 3/SP cartridge is now available in Europe and helps to bring back the pure joy of discovery and listening pleasure for 78rpm record playing.

Item Code: **ATMONO3/SP**

moving coil cartridge step-up transformer

AT2000T step-up transformer

The AT2000T is a step-up transformer that is the culmination of know-how from both the AT5000T, which was released to celebrate our 45th anniversary, and its improved follow-up, the AT3000T.

The AT2000T represents incredible value for money. Coming installed with the same special winding EI core transformer as the AT3000T and retaining its special flatness and superior sound quality. Enjoy rich sounds from analogue records with the AT2000T.

Item Code: **AT2000T**

Features

- Wide-band capable special separator winding EI core transformer with reduced coil condenser material
- 70% permalloy core for low loss design
- Special wide-band compatible with a wide range of MC cartridges from 2 to 17Ω
- Floating insulation for reduced transformer resonance
- Strong metallic sealed body highly resistant to external noise.

high-fidelity open back

	AD1000	AD900	AD700	AD500	AD300
Type:	Open Air Dynamic	Open Air Dynamic	Open Air Dynamic	Open Air Dynamic	Open Air Dynamic
Driver Unit:	Ø 53 mm, CCAW voice coil, Neodymium magnet	Ø 53 mm,CCAW voice coil, Neodymium magnet	Ø 53 mm,CCAW voice coil, Neodymium magnet	Ø 53 mm,CCAW voice coil, Neodymium magnet	Ø 40 mm, Neodymium magnet
Frequency Response:	5 ~ 40,000 Hz	5 ~ 35,000 Hz	10 ~ 30,000 Hz	10 ~ 30,000 Hz	20 ~ 25,000 Hz
Maximum Input Power:	1,000 mW	700 mW	500 mW	500 mW	300 mW
Output Sound Pressure Level:	100 dB	100 dB	99 dB	99 dB	96 dB
Impedance:	40 Ω	35 Ω	32 Ω	66 Ω	32 Ω
Net Weight (without cable):	270 g	250 g	260 g	260 g	250 g
Connector:	3,5 mm gold-plated stereo mini plug	3,5 mm gold-plated stereo mini plug	3,5 mm gold-plated stereo mini plug	3,5 mm gold-plated stereo mini plug	3,5 mm gold-plated stereo mini plug
Cable:	3.0 m / OFC / One sided	3.0 m / OFC / One sided	3.0 m / OFC / One sided	3.0 m / OFC / One sided	3.0 m / OFC
Accessory Included:	Detachable ¼" (6.3 mm) adapter	Detachable ¼" (6.3 mm) adapter	Detachable ¼" (6.3 mm) adapter	Detachable ¼" (6.3 mm) adapter	Detachable ¼" (6.3 mm) adapter

high-fidelity closed back

	A900	A700	A500
Type:	Open Air Dynamic	Open Air Dynamic	Open Air Dynamic
Driver Unit:	Ø 53 mm, CCAW voice coil, Neodymium magnet	Ø 53 mm,CCAW voice coil, Neodymium magnet	Ø 53 mm,CCAW voice coil, Neodymium magnet
Frequency Response:	5 ~ 40,000 Hz	5 ~ 35,000 Hz	10 ~ 30,000 Hz
Maximum Input Power:	1,000 mW	700 mW	500 mW
Output Sound Pressure Level:	100 dB	100 dB	99 dB
Impedance:	40 Ω	35 Ω	32 Ω
Net Weight (without cable):	270 g	250 g	260 g
Connector:	3,5 mm gold-plated stereo mini plug	3,5 mm gold-plated stereo mini plug	3,5 mm gold-plated stereo mini plug
Cable:	3.0 m / OFC / One sided	3.0 m / OFC / One sided	3.0 m / OFC / One sided
Accessory Included:	Detachable ¼" (6.3 mm) adapter	Detachable ¼" (6.3 mm) adapter	Detachable ¼" (6.3 mm) adapter

the natural collection

	W5000	W1000X	EW9
Type:	Closed back dynamic, Double Air Damping System	Closed back dynamic	Dynamic
Housing:	–	American cherry wood	–
Driver Unit:	Ø 53mm, Neodymium with OFC8N coil	Ø 53mm, Neodymium with OFC coil	Ø 28 mm, Neodymium magnet
Frequency Response:	5 ~ 45,000 Hz	5 ~ 42,000 Hz	14 ~ 24,000 Hz
Maximum Input Power:	2,000 mW	2,000 mW	–
Output Sound Pressure Level:	102 dB	100 dB	105 dB
Impedance:	40 Ω	42 Ω	29 Ω
Net Weight (without cable):	340 g	350g	33 g
Connector:	6.3 mm gold-plated stereo plug	6.3mm gold plated stereo plug with wooden casing	3.5 mm gold-plated stereo mini plug
Cable:	3 m (6N-OFC + Hi-OFC) dual sided	TPE/PC-OCC/ 3.0m (dual-sided)	0.6 m / Y-type
Accessories:	Hard carrying case, cable storage bag		1m extension cable, carrying pouch

active noise cancelling

	ANC7b	ANC3	ANC1
Type:	Active Noise Cancelling	Active Noise Cancelling	Active Noise Cancelling
Driver Unit:	Ø 40 mm, Neodymium magnet	Ø 12,5 mm, Neodymium magnet	Ø 36 mm
Frequency Response:	10 ~ 25,000 Hz	15 ~ 22,000 Hz	10 ~ 20,000 Hz
QuietPoint Active Noise Reduction:	Up to 20 dB	Up to 20 dB	Up to 18 dB
Maximum Input Power:	500 mW	–	500 mW
Output Sound Pressure Level:	109 dB	104 dB	105 dB
Impedance:	300 Ω	90 Ω	130 Ω
Weight (without cable & battery):	210 g	40 g	100 g
Connector:	3.5 mm gold-plated stereo mini plug	3.5 mm gold-plated stereo mini plug	3.5 mm stereo mini plug
Cable:	Detachable 1.6 m and 1.0 m	Detachable 0.8 m and 0.2 m	1.2 m
Accessories included:	Deluxe carrying case, 6.3 mm stereo and airline adapter, AAA battery and accessory pouch	Extension cable 0.5 with 3.5 mm stereo mini-plug; airline adapter; AAA battery; carrying case; ear pieces (rubber tips) (S/M/L size)	Detachable 0.5 m extension cable with gold-plated 3.5 mm stereo mini-plug and jack; airline adapter; AAA battery; protective pouch

portable earphones collection

earphones for women	CKF500	CK303M
Type:	Dynamic	Dynamic
Frequency:	16 ~ 24,000 Hz	20 ~ 20,000 Hz
Maximum Input Power:	40 mW	40 mW
Impedance:	16 Ω	16 Ω
Cable:	1 m (Y-type)	1.2 m (Y-type)
Connector:	3.5 mm gold-plated stereo mini plug	3.5 mm gold-plated stereo mini plug
Weight:	3 g	3 g
Accessories:	Cable wrap holder, earpieces (XS, S, M, L)	Carrying pouch, earpieces (XS, S, M, L)

solid bass	CKS50	CKS90
Type:	Dynamic	Dynamic
Driver:	12.5 mm	13 mm
Sensitivity:	104 dB/mW	106 dB/mW
Frequency Response:	5 ~ 24000 Hz	5 ~ 25000 Hz
Maximum Input Power:	100 mW	100 mW
Impedance:	16 Ω	16 Ω
Cable:	1.2 m (Y-type)	1.2 m (Y-type)
Connector:	3.5 mm gold plated L type stereo mini plug	3.5 mm gold plated L type stereo mini plug
Weight:	8 g	9 g
Accessories:	Carrying pouch, Ear pieces (S, M and L)	Carrying pouch, Ear pieces (XS, S, M and L)

portable headphones collection

design	ES7	ES10	ES55
Type:	Airtight dynamic	Dynamic	Dynamic
Driver Unit:	Ø 42 mm, Neodymium magnet	Ø 53 mm	Ø 40 mm, CCAW voice coil
Frequency Response:	5 ~ 30,000 Hz	5 ~ 40,000 Hz	10 ~ 25,000 Hz
Maximum Input Power:	1,000 mW	2,000 mW	1,000 mW
Output Sound Pressure Level:	100 dB	102 dB	103 dB
Impedance:	32 Ω	42 Ω	34 Ω
Net Weight (without cable):	160 g	200 g	120 g
Connector:	3.5 mm gold-plated stereo mini plug	3.5 mm gold-plated stereo mini plug	3.5 mm gold-plated stereo mini plug
Cable:	1.2 m / Y-type	1.2 m / Y-type	1.2 m / OFC / Y-type
Accessories included:	Carrying pouch	Pouch, cleaning cloth	Protective pouch
Colour:	Black or White		Black or White

solid bass	WS50	WS70
Type:	Dynamic	Dynamic
Driver:	Ø 40 mm	Ø 40 mm
Sensitivity:	99 dB/ mW	100 dB/ mW
Frequency response:	10 ~ 24000 Hz	10 ~ 25000 Hz
Maximum Input Power:	500 mW	1000 mW
Impedance:	40 Ω	47 Ω
Cable:	1.2 m (Y-type)	1.2 m (Y-type)
Connector:	3.5 mm gold plated L type stereo mini plug	3.5 mm gold plated L type stereo mini plug
Weight:	165 g	230 g

portable headphones collection

dj style	SJ55	SJ33
Type:	Dynamic	Dynamic
Driver Unit:	Ø 40 mm	Ø 40 mm
Frequency Response:	8 ~ 25,000 Hz	10 ~ 23,000 Hz
Maximum Input Power:	800 mW	500 mW
Output Sound Pressure Level:	103 dB	103 dB/mW
Impedance:	48 Ω	48 Ω
Net Weight (without cable):	120 g	110 g
Connector:	3.5 mm gold-plated stereo mini plug	3.5 mm gold-plated stereo mini plug
Cable:	1.2 m / Y-type	1.2 m / Y-type
Colour:	Black or White	Black or White

stylish retro	RE70
Sensitivity:	100 dB/mW
Frequency Response:	10 ~ 24 000 Hz
Maximum Input Power:	500 mW
Impedance:	42 ohms
Cable:	1.2 m Y-type
Connector:	3.5 mm gold-plated stereo mini plug
Weight:	150 g
Accessories:	Carrying pouch,

portable headphones collection

colour	FC700	WM55
Type:	Dynamic	Dynamic
Driver Unit:	Ø 40 mm, Neodymium magnet	Ø 30 mm
Frequency Response:	10 ~ 24,000 Hz	10~23.000 Hz
Maximum Input Power:	500 mW	500 mW
Output Sound Pressure Level:	102 dB	108 dB
Impedance:	40 Ω	20 Ω
Net Weight (without cable):	130 g	90g
Connector:	3.5 mm gold plated stereo mini plug	3.5 mm gold-plated stereo mini plug
Cable:	0.5 m / V-type	Up to 1.0m
Accessories:	1.0 m extension cord; pouch	Housing caps (4 pairs), housing cap opener
Colour:	White, Black, Pink	3 different colours each containing 4 different coloured earcups

multimedia headset & mobile phone earset

750COM

HEADPHONES	Drivers:	Ø 40mm	MICROPHONE	Element:	Condenser
	Frequency Response:	18 ~ 22 000Hz		Polar Pattern:	Unidirectional
	Maximum Input Power:	40 mW		Frequency:	100 ~ 10 000Hz
	Impedance:	32 Ω		Sensitivity:	44dB (+/-4dB)
	Cable:	2m		Impedance:	2.2kO
	Connector:	USB			
	Weight:	125g			

CK400i

Type:	Dynamic
Driver:	Ø 8,8 mm
Frequency Response:	10 ~ 20.000Hz
Maximum Input Power:	40 mW
Output Sound Pressure Level:	100 dB
Impedance:	16 Ω
Weight:	5 g (without cord)
Plug:	3.5mm gold-plated stereo mini plug
Cord (length):	1.2 m (Y type)
Accessories:	Cable wrap holder, earpieces (XS - S - M - L)

professional turntable

LP120 USB

Type:	3-speed, fully manual operation
Motor:	DC motor
Drive Method Direct Drive:	Direct drive
Speeds:	33-1/3 RPM, 45 RPM, 78 RPM
Pitch Variation:	+/-10% or +/-20%
Turntable Platter:	Die-cast aluminum
Starting Torque:	>1.6 kgf-cm
Braking System:	Electronic brake
Wow and Flutter:	<0.2% WRMS (33 RPM)
Signal-to-Noise Ratio:	>50 dB
Output Level:	Pre-amp "PHONO": 2.5 mV nominal at 1 kHz, 5 cm/sec
	Pre-amp "LINE": 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 1.1 Compliant Windows XP, Vista or MAC OSX
Power Supply Requirements:	115/230V AC, 60/50 Hz
Power Consumption:	11W
Dimensions:	450.0 mm W x 352.0 mm D x 157.0 mm H
Weight:	10.7 kg
Accessories Included:	Headshell/cartridge (ATP-2); AC line cord; dual RCA (female) to 3.5 mm (1/8") mini-plug (male) stereo adapter cable; dual RCA (female) to 3.5 mm (1/8") mini-plug (female) stereo adapter cable; 45 RPM adapter; USB cable; recording software
Replacement Cartridge:	ATP-2 (Bonded round shank)

moving magnet cartridges

	AT120E/T	AT440MLa	AT91BL	AT95EBL
Frequency Response:	15 ~ 25,000 Hz	20 ~ 20,000 Hz	20 ~ 20,000 Hz	20 ~ 20,000 Hz
Channel Separation:	29 dB at 1kHz	27 dB at 1 kHz	20 dB at 1kHz	20 dB at 1kHz
Channel Balance:	1.0 dB	0.8 dB at 1 KHz	2.0 dB	2.0 dB
Tracking Force:	1.0-1.8 grams	1.0-1.8 grams (1.4 optimal)	1.4-2.5 grams	1.5-2.5 grams
Vertical Tracking Angle:	20°	20°	24°	24°
Recommended Load Impedance:	47,000 Ω	47,000 Ω	47,000 Ω	47,000 Ω
Output Voltage:	5.0 mV (at 1 kHz, 5 cm/sec)	4.0 mV (at 1 kHz, 5 cm/sec)	3.5 mV (at 1 kHz, 5 cm/sec)	3.5 mV (at 1 kHz, 5 cm/sec)
Stylus Shape:	0.3 x 0.7 mil elliptical	MicroLine™	Conical	Elliptical
Stylus Construction:	Nude round shank	0.12 mil Nude square Micro-Linear stylus	Bonded round shank	Bonded round shank
Cantilever:	Alloy tube	Tapered alloy tube		Alloy tube
Mount:	Half-inch	Half-inch	Half-inch	Half-inch
Weight:	6.5g	6.5g	5.8g	5.7g
Replacement Stylus:	ATN120	ATN440MLa	ATN91	ATN95E

moving coil cartridges

	AT-F3	AT-F7	AT-OC9ML3	AT33EV
Type:	Dual Moving coil	Dual Moving coil	Dual Moving MicroCoil™	Dual Moving coil
Frequency Response:	15 ~ 50,000 Hz	15 ~ 50,000 Hz	15 ~ 50,000 Hz	15 ~ 50,000 Hz
Output Voltage:	0.35 mV (1 kHz, 5cm/sec.)	0.35 mV (1 kHz, 5cm/sec.)	0.4 mV (1 kHz, 5cm/sec.)	0.3 mV (at 1 kHz, 3.54 cm/sec)
Channel Separation:	27 dB (1 kHz)	27 dB (1 kHz)	30 dB (1 kHz)	30 dB (1 kHz)
Channel Balance:	1.5 dB (1 kHz)	1.5 dB (1 kHz)	0.5 dB (1 kHz)	0.5 dB (1 kHz)
Tracking Force:	1.8 to 2.2 g (standard: 2.0 g)	1.8 to 2.2 g (standard: 2.0 g)	1.8 to 2.2 g (standard: 2.0 g)	1.8-2.2 g (2.0 g standard)
Coil Impedance:	12 Ω (1 kHz)	12 Ω (1 kHz)	12 Ω (1 kHz)	10 Ω (1 kHz)
DC Resistance:	12 Ω	12 Ω	12 Ω	10 Ω
Recommended Load Impedance:	Min. 100 Ω*	Min. 100 Ω*	Min. 100 Ω*	More than 100 Ω*
Coil Inductance:	25 μH (1 kHz)	25 μH (1 kHz)	25 μH (1 kHz)	22 μH (1 kHz)
Static Compliance:	35 × 10 - 6 cm/dyne	35 × 10 - 6 cm/dyne	35 × 10 - 6 cm/dyne	40×10-6cm/dyne
Dynamic Compliance:	9 × 10 - 6 cm/dyne (100 Hz)	9 × 10 - 6 cm/dyne (100 Hz)	18 × 10 - 6 cm/dyne (100 Hz)	10×10-6cm/dyne (100Hz)
Stylus:	0.2 x 0.7 mil nude elliptical	0.2 x 0.7 mil nude elliptical	Line contact stylus (curvature radius: 40 x 7μm)	Oval (0.3×0.7mil)
Suspension Wires:	Integrated with resin	Stainless		
Vertical Tracking Angle:	23 degrees	23 degrees	23 degrees	23 degrees
Dimensions:	17.3 (H) x 16.8 (W) x 25.4 (L) mm	17.3 (H) x 16.8 (W) x 25.4 (L) mm	17.3(H) x 16.8(W) x 25.7(L) mm	16(H) x 16(W) x 26.5(L) mm
Cantilever:	Aluminum	Aluminum	0.26 mm diameter solid boron	Duralumin tapered pipe
Mount:	Half-inch	Half-inch	Half-inch	Half-inch
Weight:	5.0 g	5.0 g	8.0 g	6.9 g

**(when head amplifier is connected)*

mono cartridges

	AT33MONO mono cartridge vinyl	ATMONO3/SP mono cartridge 78rpm
Type:	MC-type	Moving Coil, Mono 78 RPM Mono cartridge
Playback Frequency Range:	20-20,000 Hz	45 -7,000 Hz
Output Voltage:	0.35 mV (1kHz and 5cm/sec. horizontal signal)	1.2 mV (1kHz and 5 cm/sec)
Horizontal/Vertical Output Ratio:	30 dB (1kHz)	
Output Balance:	1.0 dB (1kHz)	
Stylus Pressure:	2.3-2.7 g (2.5g standard)	3.0 - 7.0 g (5.0 g standard)
Coil Impedance:	10 Ω1kHz	
DC Resistance:	10 Ω	
Load Resistance:	More than 100 Ω(when head amp connected)	40 Ω - 47K Ω (determine best value by listening)
Coil Impedance:	28 μH (1kHz)	
Static Compliance:	20×10 — 6cm/dyne	20.0 x 10-6 cm/dyne
Dynamic Compliance:	6×10 — 6 cm/dyne (100Hz)	7.0 x 10-6 cm/dyne
Needle Shape:	Round needle (0.65 mil)	Highly polished special conical 2.5 mil diamond
Cantilever:	Duralumin pipe	Aluminum alloy
Vertical Tracking Angle:	23°	
Dimensions:	16 (H) × 16.6 (W) × 26.5 (L) mm	16 (H) × 16.6 (W) × 26.5 (L) mm
Weight:	6.9 g	6.8 g
Accessories:	Non-magnetic screwdriver x1, washers x2, protector x1, cartridge fastening screw 13mm×2, 19mm×2, nut x2, brush x1, PCOCC lead set x1	Screwdriver, 4 screws, 2 washers and 2 nuts, spacer/weight, stylus brush

moving coil cartridge step-up transformer

	AT2000T
Frequency Response:	10Hz - 50000Hz (± 3dB)
Boost Ratio:	24dB
Compatible Cartridges:	2 – 17 ohms
Recommended Load Impedance:	47k ohms
Channel Balance:	Up to 0.5dB
Channel Separation:	Above 85dB
Dimensions:	89 (H) × 140 (W) × 125 (L) mm
Weight:	1.2kg

your dealer:

E&OE*: Specifications may be subject to change without notice.
(*Errors and Omissions Excepted)

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always listening

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