



ALVA



JUST ADD VINYL



ALVA TT DIRECT DRIVE TURNTABLE CONNECTED BY BLUETOOTH APTX-HD TO AN EDGE A INTEGRATED AMPLIFIER





# ALVA TT

## DIRECT DRIVE TURNTABLE

You didn't build your record collection in a day. You didn't build it in a week. It took time and it took perseverance. You spent hours in record stores, trawling through the new releases, for records that excite you. You carefully combed through the racks of old vinyl in charity shops and record fairs looking for that rare pressing of Led Zeppelin's 'BBC Sessions' and A Guy Called Gerald's 'Voodoo Ray'. You worked hard, because you care about your music.

You built your record collection.

We didn't build Alva TT in a day. We didn't build it in a week. It took time and it took perseverance. We spent hours in our listening room, selecting the most musical components, the components that excite us. We carefully engineered the built-in phono stage, the direct drive motor, the high-output moving-coil cartridge and everything else you need to get you listening to your collection straight-away, no hassle. We worked hard, because we care about your music.

We built your record player.



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‘Best Audio of CES2019.’

WIRED

‘...makes zero compromises  
as a wireless turntable.’

DIGITAL TRENDS

‘The Alva TT offers  
something genuinely new.’

POCKET LINT

‘Cambridge shows that  
decades-old tech still has  
room for innovation.’

SOUND & VISION





'A great record player,  
a brilliant hi-res wireless source  
and a genuine world-first.'

TRUSTED REVIEWS  
5/5 STARS

ALVA TT DIRECT DRIVE TURNTABLE CONNECTED BY BLUETOOTH APTX HD TO AN EDGE A INTEGRATED AMPLIFIER

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## THE WORLD'S FIRST BLUETOOTH APTX HD TURNTABLE

Bluetooth aptX HD liberates your record player from the hi-fi rack. With the freedom to place Alva TT anywhere you like, your records are invited into the lime-light. Your music can be streamed from Alva TT to any Bluetooth receiver at up to 24bit/48kHz Hi-Res, which means you're guaranteed an authentic vinyl experience, wherever it's placed.

## INTEGRATED PHONO STAGE

Alva TT's custom designed, integrated phono stage simplifies the process of a physical connection - removing the need for extra boxes in your set-up. This phono stage builds on the success of our award-winning, 5-star standalone pre-amplifiers, the Alva Solo and Alva Duo (pg. 10), reducing unwanted noise while preserving the characteristic warmth of your vinyl.

## MC CARTRIDGE PRE-INSTALLED

The cartridge on the Alva TT is pre-installed. There's no tricky set-up needed, and it's perfectly matched to the other components in the turntable. We opted for a high-output moving coil (MC) cartridge with an exposed cantilever design. It reduces unwanted resonance and vibration, delivers high levels of gain and outstanding musical detail during playback.



## PROTECTIVE COVER INCLUDED

Your records are your prized possessions, so we included a detachable lid with the Alva TT to protect whatever you're spinning.





## DIRECT DRIVE

Rather than go for a belt drive system with the Alva TT, we opted for a medium-torque direct drive. Over time, the elastic used on a Belt Drive turntable can stretch and will need to be replaced. As a result of this wear, belt drive turntables traditionally have a less accurate playback speed than their direct drive cousins. This isn't a problem on the Alva TT – it has just 0.06% Wow and Flutter. This means a far better pitch stability – particularly during longer, more sustained musical notes.



## POM PLATTER

Complimenting the Direct Drive motor, the platter on the Alva TT is both dense and heavy. It's made from Polyoxymethylene (POM), a high-tech engineering thermoplastic used in precision parts requiring high stiffness and excellent dimensional stability. The weight of the platter, coupled with our medium torque Direct Drive motor, ensures excellent speed stability during playback of your records.

## SINGLE PIECE TONE ARM

The Alva TT uses a classic one-piece tonearm. There are no joints, giving it the best possible grounding for the cartridge and offering extremely low friction. It's designed to retrieve the maximum amount of sonic detail from the cartridge and therefore your records.

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'The vinyl frontier.'

TECHRADAR

'The best of analogue and digital...  
a beautiful design.'

HOUSE BEAUTIFUL

'...nothing short of a great turntable'

TECHHIVE

'...worth getting excited about.'

STUFF

'Your next turntable.'

DIGITAL TRENDS

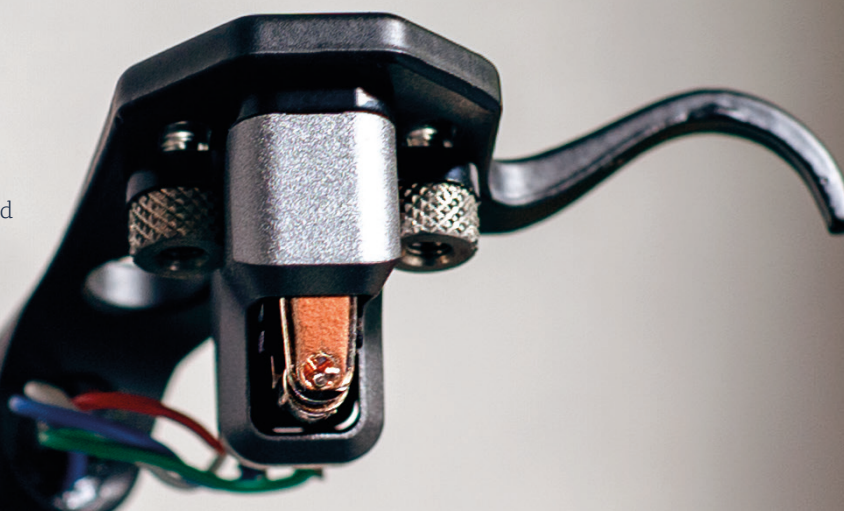
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# ALVA MC

## HIGH-OUTPUT MOVING COIL CARTRIDGE

With its exposed cantilever design, elliptical stylus and ability to deliver stunning levels of musical detail, our engineers have designed the Alva MC High-Output Moving Coil Cartridge to perfectly compliment the Alva TT. Adopting visual cues from both the Alva TT and our Edge range, the ALVA MC features patterned knurling and is finished in lunar grey. Celebrating 50 years of audio innovation, the 68° angle seen running top to bottom serves as a call back to our founding year of 1968.





### HIGH OUTPUT MOVING COIL

By using a high-output moving coil cartridge we are able to deliver better detail and a higher gain during playback.

### EXPOSED CANTILEVER DESIGN

The Alva MC adopts an exposed cantilever design. This cuts down on unwanted resonance and vibration that can be a downside of enclosed designs.



### ELLIPTICAL STYLUS

The Alva MC features an elliptical stylus which offers improved frequency response and lower distortion.

### LIGHTWEIGHT & FAST

Compared to many of its moving magnet (MM) cousins, the Alva MC is lighter and faster to respond to the record's grooves, therefore able to reproduce more of the musical detail within.

### DESIGNED & ENGINEERED IN GREAT BRITAIN

Finished in lunar grey, the bespoke Cambridge Audio design adopts the patterned knurling found on our Edge series, whilst the 68° angle seen running top to bottom serves as a call back to our founding year of 1968.

### PERFECT PARTNERS

Our engineers have designed the High Output moving coil (MC) cartridge to perfectly compliment the Alva TT Direct Drive Turntable.

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# ALVA SOLO & DUO

## MOVING MAGNET & MOVING COIL PHONO PREAMPLIFIERS

Enjoy every last detail from your vinyl collection with our premium phono stages, Solo & Duo.



Solo, our moving magnet phono preamplifier, offers an impressive sound upgrade, perfect for most turntables.



Duo is our most premium dedicated phono stage and supports both moving magnet and moving coil cartridges.

### VINYL, AS IT'S SUPPOSED TO SOUND

There's a unique experience to be had from the moment you drop the needle on your favourite album. To preserve the unique warmth of the vinyl sound, our phono stages have been carefully designed with state-of-the-art switch mode power supplies and new surface mounted circuit board layouts to reduce unwanted noise.



### SUPERB BALANCE CONTROL

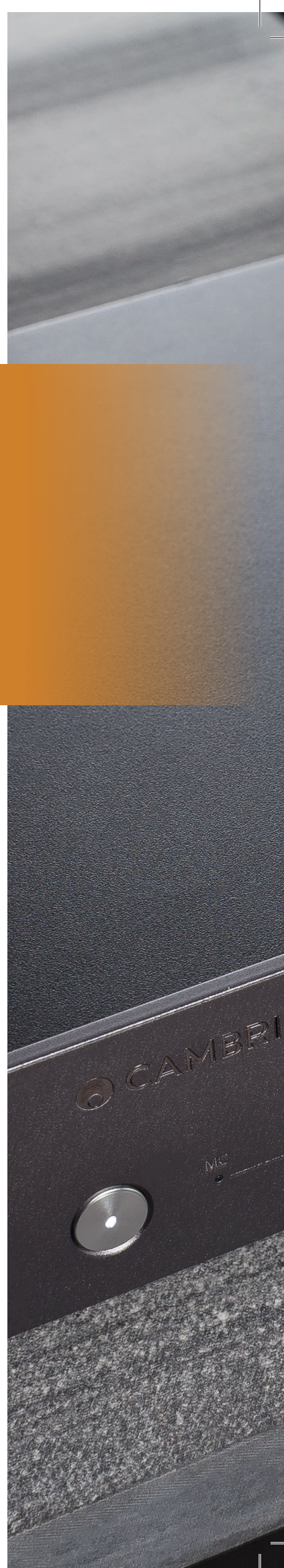
Balance control handles potential cartridge imbalances in your record player (that can cause variation between the left and right channels). This ensures you enjoy a detailed music experience with accurate soundstage.

### ATTENTION TO DETAIL


If some records in your collection are a little worse for wear, the subsonic filter will help to eliminate low frequency rumbles that can be caused by imperfections within your vinyl.

### ECO FRIENDLY

The Solo and Duo phono preamplifiers are green at heart with less than half a watt standby power consumption and auto power down feature if the unit isn't used after a 20 minute period.







'The Duo seems to exude an air of accomplishment...  
Few other options out there can match this kind of listening  
experience, which to put it mildly, is pretty amazing.'

MAJOR HI-FI, SEPTEMBER

'I can't imagine anything for [this price] could sound much better...'

ANALOGPLANET, JANUARY

'[The Duo is] as classy as a matinee idol in a smoking jacket.  
You really can't go wrong.'

WHAT HI-FI?, APRIL 2018

## JUST FOR YOU

Enjoy the warmth of vinyl privately thanks to Duo's integrated headphone output. Uniquely, we integrated a 6.35mm headphone jack directly into the phono stage, so you can still enjoy your records when there's no option to play out loud.



ALVA TT  
DIRECT DRIVE TURNTABLE

DRIVE TYPE	Direct Drive
TURNTABLE SPEEDS	33 1/3, 45 rpm
MOTOR TORQUE	1.6kg/cm
WOW & FLUTTER	<0.1%
TURNTABLE PLATTER	POM (Polyoxymethylene)
DIAMETER	305mm
ONEARM TYPE	One piece aluminium casting
ONEARM EFFECTIVE LENGTH	238mm
ONEARM OVERHANG	17.2mm
ONEARM EFFECTIVE MASS	11g
PHONO STAGE GAIN @ 1KHZ	42dB
PHONO STAGE NOMINAL OUTPUT	250m Vrms
(WITH CA CARTRIDGE)	
PHONO STAGE EQUIVALENT INPUT NOISE	0.1u Vrms
(A-WEIGHTED)	
PHONO STAGE RIAA CURVE ACCURACY	+/- 0.3dB 30Hz-20Hz
PHONO STAGE SIGNAL/NOISE RATIO	>90dB
(REF 1V OUT, 20-20K BW)	
PHONO STAGE THD+N 1KHZ	0.0025%
PHONO STAGE INPUT IMPEDANCE	47kΩ
PHONO STAGE INPUT CAPACITANCE	320pF
AUDIO OUTPUTS	RCA line level
BLUETOOTH	SBC, aptX, aptX HD
POWER SUPPLY	AC 100-240V, 60/50Hz
POWER CONSUMPTION	6W Approx, 20W max, <0.5W (Standby)
DIMENSIONS (H x W x D)	139x435x368mm
WEIGHT	11kg (24.3 lbs)

ALVA MC  
HIGH-OUTPUT MOVING COIL CARTRIDGE

CARTRIDGE TYPE	High Output Moving Coil
CARTRIDGE FREQUENCY RESPONSE	+/- 1dB 30Hz-20kHz
CARTRIDGE STYLUS	Elliptical
CARTRIDGE CANTILEVER	Aluminium
CARTRIDGE OUTPUT LEVEL	2mV @ 1kHz
CARTRIDGE TRACKING FORCE	2g
CARTRIDGE RECOMMENDED LOAD	47kΩ



ALVA SOLO

MOVING MAGNET PHONO PREAMPLIFIER

MAX POWER CONSUMPTION	10W
GAIN @ 1KHZ	39dB
NOMINAL OUTPUT	300mV
SENSITIVITY FOR NOMINAL OUTPUT	3.35mV
EQUIVALENT INPUT NOISE (A-WEIGHTED)	~0.09uV
RIAA CURVE ACCURACY	+/- 0.65dB 30Hz-20kHz
SIGNAL TO NOISE RATIO GROUNDED INPUTS REF. 1V OUTPUT (20HZ-20KHZ BW)	>90dB
THD+N 1KHZ (20-20KHZ BW)	<0.0025%
INPUT IMPEDANCE	47k Ohm
INPUT CAPACITANCE	100pF
OVERLOAD MARGIN	>30dB
CROSSTALK @10KHZ	>85dB
DIMENSIONS (H x W x D)	48x176x132mm
WEIGHT	0.68kg/1.5lbs

ALVA DUO

MOVING COIL & MOVING MAGNET PHONO PREAMPLIFIER

MAX POWER CONSUMPTION	10W
CARTRIDGE SUPPORT	Moving Magnet   Moving Coil
GAIN @ 1KHZ	MM: 39dB   MC: 60dB
NOMINAL OUTPUT	300mV
SENSITIVITY FOR NOMINAL OUTPUT	MM: 3.35mV   MC: 305uV
EQUIVALENT INPUT NOISE (A-WEIGHTED)	MM: ~0.09uV   MC: ~0.08uV
RIAA CURVE ACCURACY	+/- 0.3dB 30Hz-50Hz
SIGNAL TO NOISE RATIO GROUNDED INPUTS REF. 1V OUTPUT (20HZ-20KHZ BW)	MM: >90dB   MC: >70dB
THD+N 1KHZ (20-20KHZ BW)	MM: <0.0025%   MC: <0.20%
INPUT IMPEDANCE	MM: 47k Ohms   MC: 100 Ohms
INPUT CAPACITANCE	100pF
OVERLOAD MARGIN	>30dB
CROSSTALK @10KHZ	MM: >85dB   MC: 75dB
DIMENSIONS (H x W x D)	48 x 215 x 159 mm
WEIGHT	0.95kg (2.1lbs)



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[CAMBRIDGEAUDIO.COM/ALVA](http://CAMBRIDGEAUDIO.COM/ALVA)