

THE NEW WAVE OF BRITISH HI-FI

azur



 *Cambridge Audio*



Cambridge Audio

Standby/On

Phones

Speakers

Headphones

Treble

Volume

“The hi-fi range that can do no wrong.”

What Hi-fi? Sound and Vision, UK

Cambridge Audio

Cambridge Audio

The new wave of British hi-fi

Driven by inspiration and a passion for music,
Cambridge Audio has continued to set new standards
in hi-fi electronics since its inception in 1968.

The stunning Azur range has been painstakingly
designed and built from the ground up, offering
exceptional performance coupled with elegant and
clean styling.

As the recipient of numerous awards and
accolades from the world's leading hi-fi press, the
Azur range has proven itself to the most discerning
of listeners. It's now your turn to experience the
new wave of British hi-fi.

Cambridge Audio – making waves



“An outstanding separates combi with a sumptuous build, funky looks and a great performance. The one to own.”

What Home Cinema, UK

More than three decades of hi-fi excellence

Heritage

When you purchase a Cambridge Audio product, you're not simply buying a hi-fi component, you're investing in thirty-seven years of British engineering excellence.

Since its inception in 1968, Cambridge Audio has brought some of the most innovative and technologically advanced products to the global hi-fi market.

During the '70s, the P40, P50 and P110 amplifiers established the international reputation of the Cambridge Audio brand. The '80s saw Cambridge Audio launch the world's



first two-box CD player, whilst in the '90s, DacMagic was the first product in the company's history to win an

esteemed *What Hi-Fi? Sound and Vision* Best Buy award.

The new millennium has seen Cambridge Audio continue to innovate with its award winning DAB500 and DAB300 digital tuners as well as a range of multi-channel products. Meeting the needs of the most discerning audiophile and Home Cinema enthusiast, the Azur range has won a significant number of awards from leading magazines including *What Hi-Fi?*

Engineering and production

Cambridge Audio's philosophy of employing only the finest quality components continues with the Azur range. All models are developed using cutting-edge test and measurement equipment and feature the latest technology. Examples include the new 540R AV Receiver that employs a decoder capable of processing Dolby Digital EX 6.1. Premium Sony laser optics, custom servo mechanisms and proprietary advanced low jitter circuitry are featured in both Azur CD players.



Meanwhile, Cambridge Audio's DVD player offers PAL and NTSC Progressive Scan that considerably improves picture quality compared with DVD-Video.

This commitment to engineering excellence, combined with state-of-the-art manufacturing facilities means every Cambridge Audio product offers the best possible performance. Prior to launch, all designs undergo rigorous evaluation involving meticulous listening and fine-tuning.

Such attention to detail results in products that are totally convincing in the reproduction of both tonal colour and dynamic contrast, delivering a vibrant and fluid performance across music of all types.



A winning combination

Cambridge Audio's Azur range of electronics – its first completely new series of products for nearly five years – has enjoyed unprecedented critical success across the line-up in specialist hi-fi and home cinema magazines as well as the mainstream press. It is by far and away the most popular series the company has ever introduced.

The foundation of this achievement is Cambridge Audio's peerless design capability undertaken by a dedicated research and development team comprising over 20 electronic, mechanical and software engineers at the company's London headquarters. Equally important are our state-of-the-art, ISO certified manufacturing facilities, ensuring consistently excellent products.

A great example of the acclaim that has been garnered across the entire Azur range is the 640C compact disc player. The design is now widely



regarded as the best CD component one can purchase under £500. The design won a revered Best Buy from *What Hi-fi? Sound*

and Vision at the magazine's recent Awards ceremony, while *Hi-fi Choice* has proclaimed the component its best CD player under £500, declaring, "the 640C is perhaps the best budget CD player around right now, fully deserving of a partnership with equipment costing far more."

And it's not just the specialist press that has been singing the praises of this spectacular new product. Everyone from *The Sunday Times* to *FHM* has been bowled over by the design's winning blend.

Further afield the 640C has won a string of admirers across the globe. Whether it be respected French music magazine shortlisting the 640C for a coveted Diapason D'Or award, *Stereo* magazine in Germany calling the design 'nothing



HI-FI CHOICE AWARDS 2004/05 BEST CD PLAYER UNDER £500

short of breathtaking', or *The Herald Sun*, Australia's biggest daily newspaper, recommending the 640C, the CD player is recognised across the globe as class leader.

Such success is mirrored across the rest of the Cambridge Audio Azur range, and nowhere is this obvious than with the Azur 540D progressive scan/DVD-Audio player and Azur 540R 6.1 multi-channel home cinema receiver.

Having spent the best part of three decades perfecting two channel audio performance, Cambridge Audio turned its attention to the multi-channel market and with striking success. The Azur 540D and 540R – the company's first-ever home cinema receiver – make use of some of the very latest processing technologies and this considerable investment has paid off with wonderful performance. The result has been

countless best buys and five star reviews in the home cinema press, a first for Cambridge Audio. So, rather than just taking our word for how great the Azur range of electronics is, take the words of these experienced, independent experts. You'll find, just as they did, that the new line-up is the best we have ever made.



Cambridge Audio's continued commitment to engineering excellence has seen the company pick up repeated awards

Azur 6.1 AV Receiver



Also available in black

540R

The centrepiece of Cambridge Audio's stunning new Azur multi-channel range, the 540R, has been designed to deliver the most outstanding Home Cinema experience. This cutting edge AV receiver benefits from the finest components including a Crystal DSP (Digital Sound Processor) and multi-channel digital to analogue converters.

Compatible with the latest Home Cinema formats, the 540R packs a mighty 100 watts per channel in two channel modes and 80 watts per channel when powering a full six channel set-up. The FM/MW tuner offers the convenience of 30 station presets and RDS functionality.



Elegantly housed in stylish new casework, with a solid aluminium front panel and acoustically damped chassis, the 540R affords an impressive array of features and functions. The ergonomic remote control, which comes

as standard, is perfectly contoured and controls all the features of this AV powerhouse.

The 540R features a host of inputs and outputs to provide flexible connectivity and set-up. A full range of video switching options allows the amplifier to act as a hub for composite, S-VHS and component video sources, enabling simultaneous picture and sound control.

It's time to say goodbye to yesterday's AV system and hear how the Azur 540R can revolutionise your Home Cinema experience.



540R features

- Powerful 100 watts per channel across two channels or 80 watts per channel in 6.1 mode
- Six channel on-board discrete amplification
- Crystal CS493263 DSP and CS42518 24-bit/192 kHz multi DAC
- Decoder capable of processing:
 - Dolby Digital 5.1
 - DTS 5.1
 - Dolby Digital EX 6.1
 - DTS ES 6.1
 - Dolby Pro Logic
 - Dolby Pro Logic II
- Comprehensive array of analogue and digital inputs and outputs:
 - Component, S-Video and composite connections
 - Electrical and optical digital inputs and outputs
 - 6.1 inputs and outputs
 - Six line level inputs with a tape monitor
- FM/MW RDS tuner with 30 presets
- Low resonance, acoustically damped chassis improves sonic performance
- Stylish all-metal casework with a solid aluminium front panel
- Slim-line Azur remote control with aluminium top panel



digitalhome
EDITOR'S CHOICE

BEST BUY
WHAT VIDEO

WHAT
HOME
CINEMA
EDITOR'S
CHOICE

Azur DVD Player



Also available in black



540D

Combining Cambridge Audio's legendary audio excellence with elegant styling and supreme build quality, the 540D delivers stunning performance from both film and music sources.

Audio reproduction is handled by a Crystal CS4360 24-bit/192kHz six channel DAC (digital to analogue converter).



Its multi-channel DVD-Audio totally changes the way the listener experiences music. DVD-Audio discs have a much greater bandwidth and contain more accurate 24-bit audio (CDs only contain 16-bit audio), plus they can carry 5.1 surround sound as well as two channel

audio. This radically improves the listening experience. In addition, the 540D is, of course, capable of playing conventional compact discs.

Just as impressive is the dazzling video playback thanks to no less than six 12-bit/54MHz video DACs – most other products use 11-bit converters. The 540D supports both NTSC and PAL Progressive Scan, offering a considerable leap in picture quality over conventional DVD-Video.

The 540D's technological prowess is augmented by the now customary Azur elegance and simplicity of design. Behind the solid aluminium front panel, a low resonance acoustically damped chassis houses the electronics and helps maximise sonic performance. To ensure the 540D's compatibility with any Home Cinema system, a wide range of outputs are provided as standard – component, RGB, S-Video and composite.

The future of home entertainment is finally here, so sit back and let the 540D show you what you've been missing.

540D features

- PAL and NTSC Progressive Scan
- Meridian Lossless Packing to deliver 24-bit/96kHz multi-channel DVD-Audio and 24-bit/192kHz stereo DVD-Audio
- Built in 5.1 decoder
- DVD-Audio
- Component video
- RGB on Scart
- Composite/S-Video
- Downmix stereo out
- Crystal CS4360 24-bit 192kHz multi-DAC
- Six 12-bit/54MHz video DACs
- Low resonance, acoustically damped chassis improves sonic performance
- Stylish all-metal casework with a solid aluminium front panel
- Slim-line Azur remote control with aluminium top panel



Conventional interlaced image



Progressive Scan image

NTSC and PAL Progressive Scan

Progressive Scan offers a considerable leap in picture quality over conventional DVD-Video. Normally, screen lines are drawn twice per frame: once for the even-numbered lines and once for the odd-numbered lines, interlacing 25 or 30 times per second. Cambridge Audio Progressive Scan DVD players scan from top to bottom, using all of the screen lines in one fluid pass, painting 50 or 60 whole frames per second. This creates dramatically clearer images, with far less flicker and distortion.



Azur Compact Disc Players



Also available in black

340C

Like its bigger brothers, the 340C delivers class leading performance using proven high quality Sony laser optics and the same Cambridge Audio servo circuitry found in the award-winning 540C and 640C.

Digital to analogue (DAC) conversion comes courtesy of respected chipset manufacturer Crystal. Its CS4338 24-bit/96kHz DAC is coupled to an audio-grade operational amp filter/output stage and benefits from a high quality power supply.

540C

The Azur 540C boasts performance, build quality and a specification to embarrass not just its immediate rivals, but many CD players costing at least twice the price.



Features include the latest generation WM8716 24-bit/192kHz DAC (digital to analogue converter) from highly respected manufacturer Wolfson, a custom Cambridge Audio servo solution and transport, proven Sony Laser optics and proprietary data re-

clocking for exceptionally low jitter.

Completing the package is a slim-line, elegant remote handset that offers complete access to the 540C's wide range of features.

640C

Cambridge Audio's flagship 640C builds on the features of the 540C. Despite its recent world launch, the 640C has already scooped a best buy award from leading publication *What Hi-Fi?*, which described it as 'a fine all rounder... way beyond what we'd expect of a player at this price'.

With a completely separate power supply and upgraded anti-aliasing filters and regulator stages, the 640C benefits from incredibly low distortion and excellent signal to noise ratio with a high specification Wolfson WM8740 24-bit/192kHz DAC. This results in the delivery of a huge dynamic range and a wonderfully clear, clean sound.

340C key features

- Custom Cambridge Audio servo solution
- Co-axial and optical digital outputs
- Very high quality Sony laser optics
- Custom Cambridge Audio transport
- Stylish all-metal casework with a solid aluminium front panel
- Slim-line Azur remote control with aluminium top panel

540C features in addition to 340C

- Wolfson WM8716 24-bit/192kHz DAC
- Low resonance, acoustically damped chassis improves sonic performance

640C features in addition to 540C

- Wolfson WM8740 24-bit/192kHz DAC
- Separate power supply for DAC



“Perhaps the best budget CD player around right now.”

Hi-fi Choice, UK



Azur Integrated Amplifiers



Also available in black

340A

The remote controlled 340A employs a custom designed, highly efficient, oversized toroidal transformer and delivers 40 watts per channel into 8 ohms. This level of performance together with an exceptionally low-noise pre-amp stage and robust aluminium-fronted construction make the 340A the envy of the budget amplifier world.

Available in black or silver, the 340A offers a full complement of functions. These include five line level inputs with one tape loop, by-passable bass and treble controls and a headphone output. An aluminium faced Azur remote handset provides full function control for every Azur compact disc player and amplifier.

540A

Packing 50 watts per channel into eight ohms, the Azur 540A benefits from a custom designed oversized toroidal transformer and short path circuitry, while a completely new discrete amplifier topology ensures very low levels of distortion coupled with excellent high current drive capability.

Electronics sit on a foundation plate to achieve maximum support and acoustic damping. Constant monitoring by the intelligent proprietary CAP5™ protection circuit checks for overloads or faults, while clipping detection can actively manage volume output if necessary.

640A

The 640A provides true audiophile levels of sound reproduction and takes the Azur marque to the highest level.

Output is 65 watts per channel into eight ohms and the inclusion of a Class 'A' follower driver stage, together with high quality polypropylene bypass capacitors reflects the attention to detail that sets the 640A apart from its rivals.

340A features

- 40 watts per channel (8 ohms)
- Second set of speaker outputs
- Headphone output
- Standby function
- Bypassable tone controls
- Stylish all-metal casework with a solid aluminium front panel
- Slim-line Azur remote control with aluminium top panel

540A features in addition to 340A

- 50 watts per channel (8 ohms)
- 80 watts per channel (4 ohms)
- CAP5™ protection system with no sound quality degrading active circuitry added into the signal path
- Low resonance, acoustically damped chassis improves sonic performance

640A features in addition to 540A

- 65 watts per channel (8 ohms)
- 100 watts per channel (4 ohms)
- Polypropylene bypass capacitors



"A fantastic achievement!"

Revue Du Son, France



Audio

Azur phono preamplifiers



Also available in black

540P

Extending the functionality of Cambridge Audio's critically acclaimed integrated stereo Azur amplifiers and AV receivers are two phono preamplifiers. The entry-level 540P is a high quality Moving Magnet design featuring single-ended 'Class A' gain stages and a discrete transistor input stage instead of the more common integrated circuits. The 540P employs a highly accurate active RIAA equalisation system. The rear panel benefits from gold plated input connectors to minimise signal path interference and reduce surface degradation. An external power supply comes as standard.

640P

The 640P also uses superior amplification circuitry for its MM and MC stages with multiple paralleled discrete transistors to provide the lowest possible distortion and noise. In addition, the flagship model employs multi-parallel capacitors and close tolerance metal film resistors to achieve exceptional RIAA accuracy of only 0.3dB up to 50kHz and features a defeatable subsonic filter. The 640P employs a comprehensively specified Moving Magnet stage, as well as the higher gain needed for compatibility with high-end Moving Coil (MC) cartridges. This raft of technologies combines to offer a hugely dynamic, involving and open sound.

Both units feature the now customary Azur steel chassis and a robust anodised aluminium front plate.

540P features

- Moving Magnet (MM) phono stage
- Class 'A' gain stages and discrete transistor input stages
- Active RIAA equalisation

640P features in addition to 540P

- Moving Coil (MC) phono stage in addition to MM
- Defeatable subsonic filter
- Multi-parallel capacitors and close tolerance resistors to achieve exceptional RIAA accuracy
- Superior discrete transistor amplification circuitry for ultra low distortion
- Audiophile passive RIAA equalisation for complete lack of phase distortion and extreme playback accuracy

“The 640T sounds superb, with smoothness, clarity, depth and detail that few rivals can approach.”

The Sunday Times, UK



Azur DAB/FM Tuner



Also available in black

640T



Cambridge Audio and DAB digital radio invite you to discover a whole new world of crystal clear reception. A great choice of new and established FM and AM stations now broadcast digitally to offer interference-free transmissions.

With the Azur 640T, Cambridge Audio introduces a tuner that harnesses the true potential of both DAB (Digital Audio Broadcasting) and traditional FM broadcasts.

The design incorporates the very latest highly integrated DAB chipset from Texas Instruments coupled to a high performance Wolfson WM8716 24-bit/192kHz DAC (digital to analogue converter), thereby ensuring the best possible performance.

The 640T also features Natural Contour Technology (NCT), developed by Cambridge Audio to counter the sometimes 'flat' presentation of compressed digital sources (such as some low bit-rate DAB radio stations). Two settings are offered: 'Warm', which adds an analogue-like warmth to 'digital' sounding programmes and 'Lively', which breathes life into the sound quality of heavily compressed programmes.

A key benefit of this latest model in the Azur range is the ability to select radio stations by name – meaning frequencies don't have to be remembered. In addition, the comprehensive information panel displays artist name, song title and even lyrics where broadcast.

So say goodbye to memorising station frequencies, suffering atmospheric interference on medium wave broadcasts and enduring FM crackles – welcome to the digital radio revolution.

640T features

- Touch controls offering easy access to DAB and FM stations
- Also receives traditional analogue FM transmissions and RDS
- Wolfson WM8716 24-bit/192kHz DAC
- Coaxial and optical digital outputs
- Natural Contour Technology (NCT)
- Low resonance, acoustically damped chassis improves sonic performance
- Stylish all-metal casework with a solid aluminium front panel
- Slim-line Azur remote control with aluminium top panel



digitalhome
EDITOR'S CHOICE



FHM
★★★★★

Interconnects

As the UK's best-selling specialist interconnect brand with over one million cables sold, Cambridge Audio offers a comprehensive range to make the most of your system.

Developed for two-channel and fully-featured multi-channel systems, a variety of specially designed analogue, digital and optical cables are available to vastly improve your overall listening experience.

While many hi-fi components are supplied with basic interconnects to help you get started, these rudimentary 'patch' cables simply don't justify the significant investment made in hi-fi or home cinema systems. Leading magazine *What Hi-Fi? Sound & Vision* recently advised '10% of the total cost of your system should be spent on cabling'.

A dedicated website www.cambridge-cables.co.uk provides up-to-the-minute information on Cambridge Audio's wide range of analogue, digital and home cinema interconnects.

Key features of the extensive Cambridge Audio interconnects range include:

- High quality, 24ct gold-plated plugs for superior signal transfer
- Metal connectors for strength and reliability
- Soft polythene or PTFE jacket to provide a tough outer sleeve
- Aluminium Mylar screening for low-noise levels
- High purity OFC (Oxygen Free Copper) or silver-plated copper for improved clarity
- PE foam or stranded dielectric for clean signal transfer
- Double shielded for maximum electromagnetic noise reduction
- True 75ohm geometry for highest quality signal transfer of video or digital audio signals



Azur remote controls

Elegantly styled and faced with robust anodised aluminium, Cambridge Audio's unique Azur remote controls benefit from the same exacting quality and rigorous attention to detail that defines the entire Azur range.

Layout is highly intuitive and superbly ergonomic, with tactile controls located in a logical sequence. Key controls are grouped in a central recess to aid identification – particularly useful in low-light conditions such as when watching DVDs. The rigid high quality casing is perfectly weighted and designed to fit comfortably in the hand.

Remote control features

- Sleek aluminium fronted design to complement Azur components
- Key controls recessed for easy identification
- Each Azur remote control tailored to its model's specific features
- Responsive control
- Operates using three AAA alkaline cells



Specifications

Amplifiers

Azur 340A

Power Output:	40 watts into 8 ohms 50 watts into 4 ohms
Input Impedance:	40k ohms
Loudspeaker Impedance:	4 to 8 ohms
Input Sensitivity	
Line:	350mV
Total Harmonic Distortion (into 8 Ohms 80% rated power):	0.01%THD (No weighting) @1kHz 0.09%THD (A weighted) @ 20kHz
Frequency Response:	5Hz – 50 kHz +/- 1dB
Tone Controls	
Bass:	+/- 7dB @ 80Hz
Treble:	+/- 7dB @ 20kHz
Signal to Noise Ratio: (No weighting)	>92dB
Slew Rate (into 8 Ohms):	>20 V/uS
Max. Power Consumption:	345 watts
Dimensions (WxDxH) (mm):	430 x 310 x 70
Weight:	6.2 kg/15.4 lbs

Azur 540A

Power Output:	50 watts into 8 ohms 65 watts into 4 ohms
Input Impedance:	47k ohms
Loudspeaker Impedance:	4 ohms to 8 ohms
Input Sensitivity	
Line:	330mV
Total Harmonic Distortion (into 8 ohms 80% rated power):	0.008% THD (No weighting) @ 1kHz 0.005% THD (A weighted) @ 1kHz 0.02% THD (No weighting) 20Hz-20kHz
Frequency Response:	5Hz to 50KHz +/- 1dB
Tone Controls	
Bass:	+/- 10dB @ 100Hz
Treble:	+/- 10dB @ 10kHz
Signal to Noise Ratio: (No weighting)	>92dB
Slew Rate (into 8 ohms):	>30V/uS
Max. Power Consumption:	515 watts
Dimensions (WxDxH) (mm):	430 x 320 x 100
Weight:	7 kg/15.4 lbs

Azur 640A

Power Output:	65 watts into 8 ohms 100 watts into 4 ohms
Input Impedance:	47k ohms
Loudspeaker Impedance:	4 ohms to 8 ohms
Input Sensitivity	
Line:	380mV
Total Harmonic Distortion (into 8 ohms 80% rated power):	0.005% THD (No weighting) @ 1kHz 0.003% THD (A weighted) @ 1kHz 0.01% THD (No weighting) @ 20Hz – 20kHz
Frequency Response:	5Hz to 50kHz +/- 1dB
Tone Controls	
Bass:	+/- 10dB @100Hz
Treble:	+/- 10dB @10kHz
Signal to Noise Ratio: (No weighting)	>92dB
Slew Rate (into 8 ohms):	>40V/uS
Max. Power Consumption:	615 watts
Dimensions (WxDxH) (mm):	430 x 320 x 100
Weight:	7 kg/15.4 lbs

Cambridge Audio's policy is one of continuous improvement. Design and specifications are therefore subject to change without prior notice.

Phono stages

	Azur 540P	Azur 640P	MM	MC
Max power consumption	5W	5W		
Gain @ 1kHz	39dB		39dB	55dB
Nominal output	300mV	300mV		
Sensitivity for nominal output	3.35mV		3.35mV	0.5mV
THD 20Hz-20kHz	<0.009%	<0.007%		
RIAA curve accuracy	<+/-0.65dB 25Hz-20kHz	<+/-0.3dB 20Hz-50kHz (subsonic filter off)		
Signal to noise ratio using Audio Precision RIAA-1 with grounded inputs	>85dB		>85dB	>82dB
Crosstalk @ 20kHz	>76dB		>76dB	>72dB
Dimensions (WxDxH)	215 x 133 x 46	215 x 133 x 46		
Weight	0.8kg/1.8lbs	0.9kg/2lbs		

Compact Disc Players

Azur 340C

Frequency response:	10Hz to 20kHz
THD @ 1kHz 0dB:	0.006%
D/A Converter:	24-bit/96kHz
Dynamic Range:	92dB
Correlated Jitter:	<300pS
Digital Outputs:	Optical and Co-axial
Max. Power Consumption:	15 watts
Dimensions (WxDxH) (mm):	430 x 320 x 70
Weight:	4.6kg/10.1 lbs

Azur 540C

Frequency Response:	10Hz to 20kHz +/- 1dB
THD @ 1kHz 0dB	0.003%
D/A Converter:	24-bit/192kHz
Dynamic Range:	> 95dB
Channel Separation:	> 80dB
Correlated Jitter:	< 260ps
Digital Outputs:	Optical and Coaxial
Max. Power Consumption:	17 watts
Dimensions: (WxDxH) (mm)	430 x 310 x 70
Weight:	4.6 kg/10.1 lbs

Azur 640C

Frequency Response:	10Hz to 20kHz +/- 1dB
THD @ 1kHz 0dB:	0.002%
D/A Converter:	24-bit/192kHz
Dynamic Range:	> 100dB
Channel Separation:	> 90dB
Correlated Jitter:	< 260ps
Digital Outputs:	Optical and Coaxial
Max. Power Consumption:	17 watts
Dimensions: (WxDxH) (mm)	430 x 310 x 70
Weight:	4.6 kg/10.1 lbs

AV Receiver

Azur 540R

Power Output:	100 watts rms per channel, 8 ohms, two channels driven 80 watts rms per channel 8 ohms, all six channels driven
THD:	<0.006% @1kHz
Crosstalk:	<60dB
Frequency Response:	20Hz – 20kHz +/- 1dB
Architecture:	CS42518 Multi-DAC CS493263 DSP
Connections	
Audio Inputs:	6 Line Level + Tuner 6.1 Direct Input
Audio Outputs:	6 Amplified Speaker Outputs 6.1 Preamp Output 1 Tape Record Output
Video Inputs:	4 Composite, 3 S-Video 2 Component Video
Digital Inputs:	2 Coaxial, 3 Optical
Digital Outputs:	1 Coaxial, 1 Optical
Standby Power Consumption:	<2 watts
Max. Power Consumption:	850 watts
Dimensions (WxDxH) (mm):	430 x 310 x 100
Weight:	9.5kg/20.9lbs

Tuner

Azur 640T

Wavebands:	DAB Band III, DAB L-Band, FM
Antenna Input Impedance:	75 ohms
Adjacent Channel Selectivity: (EN50248)	35dB typical
Far-off Selectivity (EN50248):	55dB typical

DAB Performance

Frequency Range (Band III):	174MHz to 240MHz
Frequency Range L-Band:	1452MHz to 1491MHz
Frequency Response:	20Hz to 20kHz +/- 1dB
THD+N @ 0dB, 1kHz output:	<0.007%
Signal to Noise Ratio A-wtd:	>100dB

FM Performance

Frequency Range:	87.5MHz to 108MHz
RF Sensitivity for Signal to Noise of 26dB:	0.5mV
Large Signal Handling Capacity:	500mV
Ultimate Signal to Noise Ratio at 200mV:	58dB
THD+N @ 200mV RF input, 1kHz audio, 75kHz deviation:	<0.15%
Max. Power Consumption:	15 watts
Dimensions (WxDxH) (mm):	430 x 310 x 70
Weight:	3.68kg/8.1lbs

DVD Player

Azur 540D

Disc Types:	DVD-A, DVD-V, MP3, CD-RW, CD-R, CD, Kodak Picture CD
Outputs:	Audio: 5.1 Audio, Stereo Downmix Digital: Coaxial, Optical Video: Composite, Video, S-Video, RGB on Scart, Component Video
Audio Systems:	LPCM (CD) 16-bit/44.1kHz Dolby Digital 5.1 24-bit/96kHz, DVD-Audio 2 channel 24-bit/192kHz, DVD-Audio 5.1 (MLP) 24-bit/96kHz
Video Systems:	PAL/NTSC interlaced or non-interlaced (progressive scan) 24-bit/192kHz
D/A Conversion:	1.0Vp-p (75 ohms)
Video Amplitude:	Y:1.0p-p (75 ohms), C:0.286Vp-p (75 ohms)
S-Video Output Amplitude:	Y:1.0p-p (75 ohms), C:0.286Vp-p (75 ohms)
Frequency Response:	5Hz-30kHz (+/- 3dB)
Signal to Noise Ratio:	> 100dB
THD:	<0.003% (A weighted) @ 1kHz <0.01% (No weighting) 20Hz – 20kHz
Max. Power Consumption:	20 watts
Dimensions (WxDxH) (mm):	430 x 310 x 70
Weight:	4.6 kg/10.1 lbs

