



DETAILS hh. Rotel – if ever there was an international hi-fi Rotel RCD-1570 company, this is it! Although production is Japan/China based in Zhuhai, China, the 52-year old company has engineering offices CD player in the UK, USA, Japan, Korea and China, and a 60-strong R&D team 6.7kg including design input from the UK. (WxHxD) 431 x 93 x 320mm Back in the seventies, it had a name for big, showy-looking electronics, but by the early eighties the brand was Wolfson 8740 DAC 1x RCA phono line focusing on affordable audiophile kit epitomised by the RA-820BX, which output 1x XLR balanced was one of the best budget amplifiers output Slot-loading CD of its era. It gave Rotel a reputation for fettling affordable audio

Remote control

01903 221 500

DETAILS

Rotel RA-1570

Japan/China

13kg

Integrated amplifier

(WxHxD) 431 x 44 x 350mm

Quoted power output: 120W RMS

per channel 4x RCA phono line

balanced input, 1x MM phono input

inputs, 1x XLR

input, 1x USB B

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special that remains to this day. With extensive digital connectivity, the new 15 series isn't exactly what you'd call an essay in minimalism, but Rotel still asserts strong purist credentials. It claims boldly to "strive to make products which offer astonishing build quality and performance at relevant price points", and that's the big idea behind the RCD-1570 silver disc spinner and RA-1570 amplifier before you here. Costing £700 and £1,200 respectively, they're both mainstream high-quality designs with the emphasis on flexibility as well as sonics.

equipment into something quite

The new CD player is something of a curio in these complicated times, being one of the few these days not to have built-in DAC functionality. Yes, it is really a traditional, old-fashioned, unreconstructed silver disc spinner! The choice of Wolfson WM8740 DAC chip isn't exactly radical either; it's a justifiably popular design that pops up in many modern machines. Rotel says it is one of the company's favourite DACs of the moment.

The RCD-1570's slot-loading CD drive is a little off the beaten track, and a very nice way to interface with a CD player – superior in my view to a wobbly, plasticky disc tray. The company says, "it was the best performing and most reliable mechanism that Rotel could source". That's as maybe, but the drive mechanism in the RCD-1570 is still slightly noisy – you can hear it whirring around conspicuously when playing a track.

Rotel says: "The case material is of a gauge sufficient enough to reduce the effect of resonances, and the build quality also ensures tight and consistent fit", but it could still do with extra damping in my view. The master clock is said to have had special attention paid to it, using techniques of careful supply decoupling combined with electrical

isolation and rugged construction Rotel says.

Curiously, the RCD-1570 CD player recognises HDCD discs (remember them?) when inserted, showing 'HDCD' on the display instead of the normal 'CD-DA' – but it still plays them as standard CDs. Could this be a ghostly reminder of Rotel's previous love of this format, perhaps?

If the 15 series CD player is 'old school', the new RA-1570 makes major concessions to modernity. Here we have a large, heavy, Class AB integrated amplifier, which has a litany of socketry, starting with the fascia-mounted USB Type A input for playing music from iDevices directly, or via the supplied Bluetooth dongle. Round the back, there's a USB Type B input for connection to a computer, specified for digital music at up to 24-bit/192kHz resolution. The two coaxial electrical digital inputs will also do this, whereas the twin optical Toslinks go up to 24/96. You also get four RCA line-level inputs, a moving magnet phono, plus a pair of XLR-balanced inputs - I use these to connect the amp to the CD player, which also sports them. Preamp

A large, heavy, **Class AB integrated** amplifier, which has a litany of socketry

outputs are also fitted, as well as two sets of loudspeaker outputs.

Inside, Class AB circuitry is used because Rotel reckons that "for audiophiles this is currently the better option as it readily allows for tweaking of critical circuits in a way that other types do not".

Multiple discrete Sanken bi-polar output transistors are fitted "for their high power performance and reliability", and there's a Toroidal power transformer that is designed and built in-house by Rotel. This is selected, "because the external magnetic field is normally lower than that from a more conventional EI type of a similar size and specification", the company says.

Together, the 1570s make a pretty pair. The general standard of finish is very good, and the brushed aluminium and polished fascia edges look classy together. The front panel switchgear has a nice, positive gait, although the light blue fluorescent display disappoints slightly - it looks a little crude when compared with the latest generation of OLEDs seen everywhere from Audiolab to Naim



now. The RA-1570 has a good range of facilities, including bypassable tone controls - accessible via the menu and it's easy to hook up to a computer, although you'll need to install the supplied driver if you have a PC, of course.

Sound quality

Taking the RCD-1570 CD player on its own, it offers a very animated, musical sound with a strong bottom end, Rather than being 'matter of fact' sounding like many other price rivals, it really gets into the nitty-gritty of the music's rhythms and dynamics. For example, the indie-rock sound of

A truly engaging listen, bristling with detail, vet subtle and composed too

Ultra Vivid Scene's Special One comes over as very bouncy and fluent, this player seemingly going out of its way to carry the emotion of the track, and deliver a really punchy, propulsive bass. The result is a truly engaging listen, bristling with detail, yet subtle and composed too.

With classical music, it shows itself to be an expansive performer, blessed with an unexpectedly deep soundstage. Slot in Beethoven's Piano Concerto No.3 (Scottish Chamber Orchestra, Linn Records) and the player lets rip with a rich, vibrant rendition of this brilliant recording. String tone is as natural as you'll hear from 16-bit, and the rhythm of the music flows along like the widest part of the River Clyde. Moving back to a cooking CD

recording of Lou Donaldson's Alligator Boogaloo, and this Blue Note jazz classic comes across in a most enjoyable way. This player is a keen student of rhythm alright, and proves well able to get into the groove and keep the listener's attention – a most impressive party trick at the price.

Swapping to the RA-1570 amplifier all on its own, it proves to be quite open and lively, with plenty of power and an enthusiastically engaging nature. You wouldn't call it the last word in transparency though; compared with others, it's a little opaque across the midband and lacks something in the way of fine depth perspective. This Rotel amplifier focuses on the music's general direction, rather than obsessing on the detail.

Tonally, it proves a little more neutral than its disc-spinning partner, although it's got a fairly well-lit treble that isn't as smooth as some price rivals. Nevertheless, when you partner it with the ever-so-slightly warm matching CD player, the result is a great-sounding twosome. They're both up for diving into a song's rhythm, yet their respective tonalities flatter one another and the result is a big, smooth, punchy sound that's never less than a lot of fun to behold. Given Rotel's talent for voicing products, I'm sure this is no happy accident - as a pair these two really

sing across a wide variety of music. The RA-1570 also sports a built-in DAC, of course, and this doesn't quite match the sound of the CD player via its analogue outputs. coming over a little opaque and less finessed. But via the USB input.

The new RCD-1570 is one of the best CD spinners around at the rice, only the Audiola 3200CD (£800) really vorries it - with a more ocused and detailed ound. Conversely, the totel is a little warmer and more organic ounding so taste and ystem synergy play a ig part here. The RA-1570 struggles more, as there are so many great amps around - the Creek volution 50A (£700) nsightful and naking the Rotel sound a little hazy and slow in comparison. However, it doesn't have a DAC or a phono stage built in, so you'll have to budget more for these. As a pai though, these new otels work brilliantly.

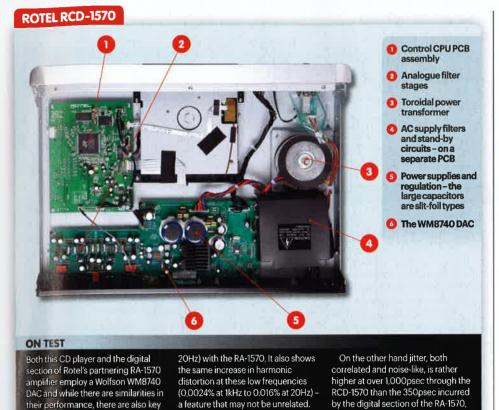
hi-res from a MacBook Pro running Audirvana Plus sounds great - a 24/96 rip of Metallica's Enter Sandman is breathtakingly powerful and grippy, with excellent dynamic range and a good deal more punch. The amp is well able to convey the menacing, muscular sound of the production, and makes for an edge-of-the-seat performance. Instruments snap into focus and the soundstage acquires a satisfying depth. As such, the hi-res capability of this amplifier is well worth having.

Conclusion

These components make a nice pair. Rotel's RCD-1570 CD player is great value - it sounds excellent and is very nicely made. Tonally it's a touch on the warm side, and conjures up a spacious recorded acoustic. The RA-1570 amplifier is a fine all-round package, but isn't unbeaten at its price for sound. Still, you get a strong, punchy, musical presentation that's always fun to listen to, and when combined with its matching CD player, really flies. Whether auditioned separately or together as a pair, these Rotels warrant consideration if you're in the market for serious-sounding electronics that won't break the bank.

Choice **OUR VERDICT - RCD-1570** SOUND QUALITY LIKE: Enjoyably ★★★★ bouncy, natural musical sound VALUEFOR MONEY DISLIKE: Display isn't ★★★★ pretty, slightly noisey BUILD QUALITY WESAY: Well built and **** handsome CD spinner FEATURES **** OVERALL ****

Choice **OUR VERDICT - RA-1570** SOUND QUALITY LIKE: Good looks, fine **** build, powerful sound DISLIKE: Wot, no VALUE FOR MONEY OLED display? **** WESAY: Capable, well specified and flexible BUILD QUALITY mid-price amplifier **** with a musical and very satisfying sound FEATURES **** **OVERALL**



Again, the player offers a similarly

wide 110dB A-wtd S/N ratio, once we

compensate for the high 4.2V max.

But the player's low 96ohm output

430ohm RCA pre-out and stereo

impedance is preferable to the amp's

0.007% at 20kHz (re. 10W/8ohm). The

response is amazingly flat to within -0.2dB from 20Hz-100kHz. **PM**

lifferences. The RCD-1570 is

necessarily 'tuned' for 44.1kHz/16-bit

operation, but it shares the same low

4.7dB/90kHz with 192kHz digital

ntional S/PDIF option, not least

dio). The USB input is inferior to the



80hm and a mighty 2 x 250W/40hm

accommodate 190W, 355W, 630W

and with sufficient headroom to

Q&A **Shaun Marin** Brand Manager B&W Group Ltd



DP: What are the overall aims of the new Rotel 15 Series?

SM: Rotel strives to make products which offer astonishing build quality and performance at relevant price points - coupled with an extensive feature list, which these days includes digital connectivity. These new 15 Series models continue this theme. The competition varies from category to category: it's different when talking about integrated amplifiers as compared to AV processors; and in some cases it differs from country to country. We sincerely believe that the sonic performance of Rotel products is appreciated by audio enthusiasts and music lovers all over the world.

What interesting features does the RCD-1570 boast?

It has a slot-loading CD drive, used most importantly it is the best performing and most reliable mechanism that Rotel could source. Secondarily we think that a slotloader enhances the look of the CD player. Special attention has been paid to the master clock using wellknown techniques of careful supply decoupling combined with electrical isolation and rugged construction. The use of Wolfson's 8740 DAC allows Rotel to carefully select the external filters and surrounding components. This iterative process of tuning is what gives Rotel the audio clarity required to wear the 'Rotel' logo.

Has special attention been paid to the RA-1570's circuitry?

It's an 'open secret' that Rotel spends many, many hours of development time ensuring that the electronic parts that are installed in every product are selected to enhance sonic performance. Inside, you will see selected conventional leaded electronic parts from a variety of manufacturers, plus others in the digital areas, where SMT components are often the norm. This aspect of Rotel design development is probably unique for a manufacture of its size, and Rotel is careful to make use of tried and tested in-house circuit architecture to provide a thoroughbred combination of performance and reliability.