



THD BiValve 30 Head £1,199



The UniValve's big brother makes its UK debut. The world's only dual single ended guitar amp has a big reputation to live up to: does it cut the mustard? by Nick Guppy

THD's UniValve was the amp of 2001 for us and it has continued to gather worldwide acclaim for style, innovation and, above all, tone. THD is one of the original American 'boutique' companies. While the brand is better known in the UK now than a year or so ago, in the States their reputation is huge and Andy Marshall's (THD's designer and CEO) passion for good design and killer sounds has resulted in many accolades from musicians and industry giants. The award-winning UniValve is destined to go down in amp history as one of the world's ultimate studio amplifiers. You can easily use it live, of course, but with a maximum output of around 17 watts, clean headroom is sometimes at a premium. Which brings us neatly to the UniValve's big brother. The BiValve 30 debuted at this year's Winter NAMM and is reviewed here exclusively for the first time in the UK.

Like the UniValve, the BiValve is a single-ended pure Class A design.

However, it has two output valves which are wired in parallel and combined through a special output transformer to deliver up to around 30 watts. You can use almost any output valve you like without touching any kind of bias adjustment, and get this: in the BiValve you can use them in any combination as well. Combined with the capability to take almost any preamp valve, this makes the BiValve even more of an amp-tweakers dream than its predecessor. Because there's such a wide range of tone available you

can customise the amp exactly to suit your style.

The BiValve sits in the same compact pressed steel chassis as the UniValve and, except for the extra valve and control plate, it looks almost identical. The UniValve's acid-etched control plate was inspired by Glasgow artist Charles Rennie Mackintosh; this time round THD have gone for a marine theme, with an intricate diamond scale design. The control markings are screen printed, which makes them easier to see, but in our opinion detracts a little from the artistry of the background pattern.

Underneath the perforated steel lid there's a larger pair of transformers to handle the increased output, and inside there are two ultra-thick PCBs: one for the power supply and one for the audio. The four valve bases are bolted to the chassis and secured by locking nuts, with hi-fi style internal baffle plates to cut down on radiated hum. The standard of construction is

THD BIVALVE 30 TEST RESULTS

Build quality	★★★★★
Features	★★★★★
Sound	★★★★★
Value for money	★★★★★

WE LIKED Limitless tonal range, good looks and useful features, with volume to spare for live use

WE DISLIKED The case isn't best suited to live gigging but, this aside, it's hard to fault



Not just great sounding, but good looking too

absolutely top class. THD are based in Seattle, which is also home town to Boeing, and most of the BiValve's heavy fabrication work is contracted out to local specialist companies who service the aircraft industry. So now you know.

The front panel looks deceptively simple. Working from the left, there's a pair of input jacks labelled 'more' and 'less', followed by a treble cut switch then rotary controls for volume, treble, bass and what THD call 'Attitude'. It's not a fancy name for a presence control – there's no negative feedback loop – instead Attitude works on the driver valve to change its response, and does more or less what the name suggests: either smoothing things out or making them more aggressive.

In the centre, part of a clever noise reduction circuit, is a light bulb that glows as the amp distorts. Depending on your point of view it either looks very hip or very distracting, hence a small switch underneath to turn it off. Next to this is the level control for the Hotplate – a built-in output attenuator that lets you run the BiValve into total meltdown without annoying the neighbours; there's also a defeat switch for this function, which adds a little extra volume for live work.

The last three rocker switches are



Andy Marshall's signature is a guarantee of quality

The BiValve delivers totally on the UniValve's promise, one of the best playing experiences any guitarist could hope for

for mains, standby and power selection. The hi/lo power switch is like having a built-in Variac; switching to low voltage adds a squashy dynamic feel and reduces clean headroom, and it's essential for valves like the 6V6 which can't handle high plate voltages.

The BiValve's back panel is also similar to its smaller cousin. There's a pair of speaker outlets with an impedance changer, and the excellent transformer-isolated line out – using a 6mm stereo jack socket – is now balanced. Fuse protection is more comprehensive, and the BiValve also benefits from a pair of warning LEDs to let you know if a power valve is faulty.

SOUNDS: When it comes to describing the BiValve's sounds, it's difficult to know where to start, or when to stop, for that matter. You can use almost any power and preamp valve combination under the sun, and as a result the tonal range is virtually unlimited.

While we liked the dual 6L6 arrangement the amp is supplied with, switching from these Russian valves to a pair of the new Groove Tubes 6L6GEs (made in America to the old General Electric spec) really brought things to life. The cleaner tones have a rich, sonorous and detailed mid-range that will flatter any guitar, with a bell-like treble that almost sounds like a chorus effect. Low-end response through a ported cab containing a pair of Celestion Vintage 30 speakers is full without becoming too tubby.

Using the volume control in conjunction with the two inputs you can cover the whole gain spectrum, from squeaky clean to absolute brain-frying power-amp distortion with almost infinite sustain, and all the time the BiValve stays totally musical. Even at full-tilt you can still pick out each string within a chord, and the tone controls seem to have just the right range, whatever valves are in use.

The Hotplate feature lets you play any distortion tone at any volume level. You can even disconnect the speakers for recording, as the amp has a built-in dummy load. We lost count of the different valve combinations we tried but a few really stood out. A 6V6 with an EL34 yielded one of the absolute best British blues/rock sounds we've ever heard. The smaller valve works to balance out the EL34's hollow mid-range and aggressive distortion with a unique high-end response – somewhere between the best vintage Marshall and tweed Fenders, with a hint of AC30 thrown in.

As you'd expect, the BiValve is much louder than the UniValve. There's more than enough headroom for live use, and notes seem to jump out of the loudspeakers a lot quicker. It's a different effect to the UniValve's three-dimensional warmth, but but it is equally rewarding.

Verdict

The BiValve delivers totally on the UniValve's promise of more to come, and the result is one of the best playing experiences any guitarist could hope for. Tough construction, ultra-hip styling and a unique collection of features add up to an amp you'll probably never tire of playing through. The best things in life are rarely cheap, and the BiValve is definitely an amp for the well-heeled purist – no footswitches to change channels means you have to use it the old-fashioned way, driving things from the guitar. But you can have so much fun defining your sound and then playing it that even the most die-hard tap-dancer could be converted by this amp.

Talk about having your cake and eating it – here's one of the few amps that lets you do both. Try one soon and see if you agree. **G**

THD BiValve 30

Guitarist RATING



THD BIVALVE 30 HEAD

PRICE: £1,199

ORIGIN: USA

TYPE: All-valve dual single-ended amp head

OUTPUT: Nominal 30 watts RMS

VALVES: Choice of two EL34, 6L6, 5881, KT88, 6550, 5881, 6V6 and more in any combination. Choice of two ECC81/2/3 preamp and more, also in any combination

DIMENSIONS: 190 (h) x 390 (w) x 230 mm (d)

WEIGHT (kg/lb): 15/33 CABINET: Powder coated steel

CHANNELS: One CONTROLS: Volume, bass, treble, treble cut switch, 'attitude', hotplate level, Hotplate in/out, hi/lo voltage, noise reduction in/out, line out level and instrument/line switch

ADDITIONAL FEATURES: Multiple valve choice with no re-biasing, hotplate power attenuator, noise reduction circuit, transformer isolated balanced vari-level line out

OPTIONS: Chrome Cage

RANGE OPTIONS: UniValve 15-watt head (E899). A range of head and combo cabinets more suited to live use is coming soon – THD's other hot products include the 'Yellowjacket' EL84 class A adaptors for most 50/100-watt circuits, and various standalone Hotplate attenuators for almost all impedance types

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