

VORTEX / Series



Precision, pure natural sonic performance and total power define the Vortex series. The difference; total care about audio design and integrity.

Pure Sonic Performance

Total precision and transparency is the trademark of the Vortex series, thanks to its careful design eliminating sound-deteriorating drawbacks right from the start. This is also evident in the Vortex Series exceptional low distortion values and excellent signal to noise ratio.

Flexible in Power & Application

The Vortex amplifier can easily switch between applications and speaker setups due to its unique power regime. This consists of an extensive power reservoir, stability down to 1 Ohm loads and the ability to run in Stereo, Bridge Mono and Parallel Mono operation modes.

Designed for Touring & More

With a weight of just 12,4 kg and designed for the demands of touring professionals the 2 RU chassis ensures exceptional reliability. All dynamic protection circuits are the result of the philosophy, "Audio-at-all times".

Remote Control Included

The Vortex Series remote control system allows complete application freedom, from FOH to control room centre, the ability to control and monitor usage comes as a standard feature.

Optional DSP & Audio Network

All Vortex amplifiers can be upgraded with CAMCO's advanced controller-modules, converting the Vortex into a complete loudspeaker management system. Network solutions via EtherSound or CobraNet offer stand alone Network option modules or combined DSP and Network modules.

6 Years Warranty

CAMCO amplifiers renowned reliability is backed up by 6 years warranty from date of first purchase.

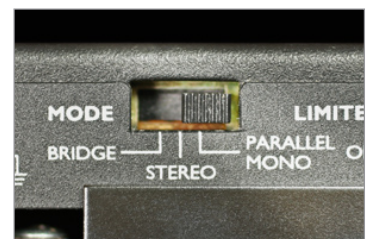
The entire signal path in the Vortex amp is microprocessor controlled, even the gain setting is digital controlled. This ensures minimal interference in the signal path resulting in an unsurpassed transparent audio performance.



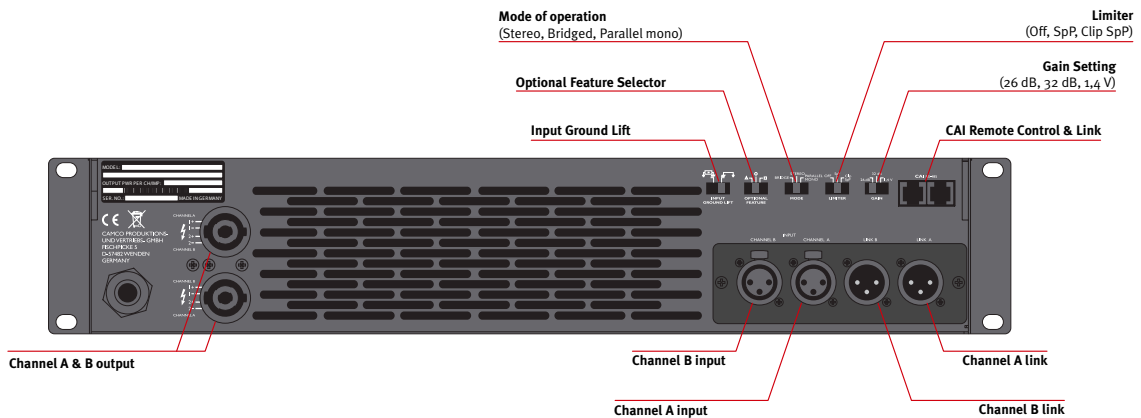
The built-in CAMCO Audio Interface (CAI) on the Vortex series allows real time and dynamic monitoring and control of the amplifier. As the Vortex amp is microprocessor controlled it can remotely be set in true standby mode, where the main power supply is shut down but the signal and control section is still running.



The ability to run in Parallel Mono is a unique CAMCO feature, which extends the amplifier's ability to run at extremely low impedances.



"Camco's new Vortex Series delivers highest performance in a compact and low-weight enclosure, which can ultimately be seen from the impressive performance/weight ratio of 453 watts/kg. However, what makes this result really exceptional are the excellent distortion values, the very good S/N ratio and the variety of sophisticated protections."
- Vortex test by Production Partner Magazine



Specifications:

		Vortex 4	Vortex 6	Vortex 200V
Stereo ¹⁾	16 Ω	500 W	730 W	1040 W
	8 Ω	930 W	1350 W	1880 W
	4 Ω	1570 W	2300 W	3100 W
	2 Ω	2300 W	3300 W	2600 W ²⁾
	Peak	2490 W	4090 W	4050 W
Mono	16 Ω ³⁾	1860 W	2700 W	3760 W
	8 Ω ³⁾	3140 W	4600 W	6200 W
	4 Ω ³⁾	4600 W	6600 W	5200 W ²⁾
	2 Ω ⁴⁾	3140 W	4600 W	6200 W
	1 Ω ⁴⁾	4600 W	6600 W	5200 W ²⁾
Peak ⁴⁾	4980 W	8180 W	8100 W	

Output Circuitry	bipolar, Class H
Frequency Response 8 Ω load, 1 dB below rated power	20 Hz - 20 kHz ± 0,15 dB
Input Impedance	40 kΩ balanced
Input Gain	selectable: 26 dB, 32 dB, or 1,4 V input sensitivity
Protection Circuits	inrush-current limitation, protection circuits against power on/off transients, temperature monitoring of transformers and heat-sinks, output DC protection, power transistor control, temperature dependent SOA protection, intelligent mains fuse protection
Limiter	3 step switchable peak-limiter
Fan	2 temperature dependent speed-controlled axial fans
Ground-Lift	input ground-lift switch on back panel
Indicators	LED's for ON, SIGNAL, CLIP, DC, High Temp, Output Current
Input Connectors	3-pin XLR, male and female per channel, pin 2 = in phase
Output Connectors ⁵⁾	One 4-pole SPEAKON connector for each output channel (bi-amping possible)
Modes Of Operation	STEREO, BRIDGE MONO and PARALLEL-MONO
Options	Extended User Interface / E.U.I. — modules for any kind of EQ
Signal To Noise-Ratio 20 Hz - 20 kHz, 8 Ω load	> 107 dB (unweighted) > 110 dB (A-weighted)
THD+N (typical) 20 Hz - 10 kHz, 8 Ω load, 10 dB below rated power	< 0,01 %
SMPTE (typical) 20 Hz - 20 kHz, 8 Ω load, 10 dB below rated power	< 0,01 %
Damping Factor 8 Ω load, 1 kHz and below	> 400
Net Weight	12,4 kg / 27,3 lbs (10,7 kg / 23,6 lbs for Vortex 3 Quadro)
Shipping Weight	15,0 kg / 33,1 lbs (13,5 kg / 29,8 lbs for Vortex 3 Quadro)
Dimensions (WxHxD)	483 x 88,9 x 436 mm / 19 x 3,5 x 17,2 inches (19", 2U)
Shipping Dim. (WxHxD)	540 x 135 x 615 mm (0,045 m ³) / 21,3 x 5,3 x 24,2 inches

1) All channels driven, 1 kHz, 1% THD @ 230 VAC 2) Peak Power, component tolerance dependent 3) Mono bridged 4) Parallel mono 5) different at Vortex 3 Quadro
Subject to technical alterations without prior notice.