



Reveal 501a

TANNOY®



Product Description

The original Tannoy Reveal Active near field monitor has become an iconic fixture in recording studios across the world since its arrival in the mid-nineties, widely recognised as the product that defined the category and has been the active monitor of choice for thousands of amateur and professional recording, creative composition and postproduction facilities worldwide. Building upon this world-class reputation, the all new Tannoy Reveal Active series represents the latest evolution of Tannoy's high resolution active reference monitor technology.

Whether you're building a studio on a budget and don't want to compromise on sonic quality, or you need an active monitor with a small footprint, the Reveal 501a offers the perfect solution. Built to the same superior standard as the rest of the new Reveal range, the Reveal 501a packs performance, accuracy and value into a compact enclosure. Priced competitively with the entry-level recording setup in mind, the all new Reveal 501a delivers a wide bandwidth performance that will impress even the most seasoned pro.

With the benefit of being active (self-powered), the Reveal 501a's perfectly matched integrated amplifier ensures maximum efficiency from the 5" woofer and 1" soft dome tweeter and removes any need for a separate power amp. Response has been optimised for quarter space near field operation, such as on a meter bridge or on a table either side of your control surface, while independent gain control is provided on the rear panel, along with HF trim control, to allow fine tuning.

The low distortion 5" LF/MF driver voicing has been enhanced to deliver a natural and accurate ultra-linear response in the low and midrange frequencies, while the wide bandwidth tweeter extends the amplitude response beyond the 20kHz audibility threshold to 30kHz to improve the phase response within the audible band. This preserves the harmonic structure of sounds and the stability of the stereo image, ensuring stunningly accurate mix translation.

The rigid MDF cabinet construction provides stiffness and minimises colouration, while internal bracing of the sides and rear against the back of the bass driver provides a rigid reactive mass for the moving cone assembly; this ensures fast tight bass response and clear midrange. The curved edged design of the front baffle helps eliminate diffraction, while the front-firing bass port avoids the problem of exaggerated bass response as a result of boundary-coupling – a pitfall inherent with rear-firing designs when positioned close to a wall. The new elliptical tweeter waveguide has also been optimised to control high frequency directivity and minimise diffraction, ensuring a wide and even sweet spot.

Both balanced XLR and unbalanced TRS jack inputs complete the versatile package, ensuring the Tannoy Reveal 501a is easily integrated into any home or project studio with the minimum of fuss.

Behind the Badge

Few if any manufacturers have the reputation and track record of Tannoy in the professional studio monitor market. Right from the emergence of the studio monitor itself as a product in the early 1940's through the British invasion of the '60's and every genre of music since then, Tannoy has been helping track, mix and master the hits. You don't dominate a segment for over 60 years by cutting corners.

You do it by staying true to your values; and letting others chase the latest fad or cheapest option. Considering the crucial role that monitors play in the production of audio programming we believe that this is one place in your signal chain where compromise is simply unacceptable.

Features

- Integrated 60W total power amp unit
- 5" (130mm) LF/MF driver and 1" (25mm) soft dome tweeter delivering wide frequency response of 64Hz – 30kHz
- Sculpted and rigid front baffle design to minimise diffraction
- Response has been optimised for quarter space near-field operation, such as on a meter bridge or on a table either side of your control surface
- Front firing reflex bass port to negate boundary-coupling
- Bass unit optimised to minimise asymmetry and to linearise the suspension component
- Wideband tweeter design extending the amplitude response beyond 20kHz audibility to 30kHz to improve the phase response from within the audible band.
- LED indicator shows power status
- + 1.5 / 0 / -1.5dB HF trim switch for custom room adjustment
- Rear mounted volume control for convenient Home Studio and PC/MAC laptop/desktop use.
- Balanced XLR and unbalanced jack connectors

Tannoy United Kingdom
Tannoy Deutschland
Tannoy France
TC | Group Americas

T: 00 44 (0) 1236 420199
T: 00 49 (180) 1111 881
T: 00 33 (0)1 7036 7473
T: 00 1 (519) 745 1158

E: enquiries@tannoy.com
E: enquiries@tannoy.com
E: ventes@tannoy.com
E: info@tcgroup-americas.com

tannoy®.com



Reveal 501a

TANNOY®

TECHNICAL SPECIFICATIONS

System

Frequency Response (-3dB) ⁽¹⁾	64Hz - 30kHz
Rated Maximum SPL ⁽²⁾	108dB
Distortion	<0.7%
Dispersion (-6dB)	90 degrees
Drive Unit LF/ Mid	130mm (5") multi fibre pulp paper cone
Drive Unit HF	25mm (1") soft dome with neodymium magnet system
Magnetic Shielding	No

Electronic Section

Input Impedance	XLR balanced & unbalanced Jack 10 kOhms
Input Sensitivity	0.775V RMS for full output
Crossover Frequency	2.3kHz
Amplifier Output Power	LF 40W RMS, HF 20W RMS
User Controls	Power On/ Off, Input Sensitivity HF Trim +/- 1.5dB
Power Supply	100- 120V, 200- 240V Switchable, 50- 60Hz
Power Consumption	125W Maximum
Fuse	100- 120V, T800mAL 250V 220- 240V, T400mAL 250V

Cabinet

Low Frequency Alignment	Optimised front reflex loaded
Cabinet Construction	MDF cabinet with injection moulded front baffle
Cabinet Finish	Black fine texture
Cabinet Dims. (HxWxD)	300 x 184 x 237mm (11.8 x 7.2 x 9.3")
Cabinet Weight	5.45kg (12 lbs)
Shipping Dims. (HxWxD)	416 x 266 x 321mm (16.4 x 10.5 x 12.6")
Shipping Weight	6.2kg (13.7lbs)

Notes:

- (1) +/- 3dB measured at 1m in an anechoic chamber.
- (2) Peak SPL at mix position for 1 pair driven.

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications, which Tannoy reserve the right to alter without prior notice. Please verify the latest specifications with critical applications.

Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8001 5840	REVEAL 501a (UK)	BLACK	1
8001 5850	REVEAL 501a (US)	BLACK	1
8001 5855	REVEAL 501a (JP)	BLACK	1

Tannoy United Kingdom
Tannoy Deutschland
Tannoy France
TC| Group Americas

T: 00 44 (0) 1236 420199
T: 00 49 (180) 1111 881
T: 00 33 (0)1 7036 7473
T: 00 1 (519) 745 1158

E: enquiries@tannoy.com
E: enquiries@tannoy.com
E: ventes@tannoy.com
E: info@tcgroup-americas.com

tannoy®.com