



FYNE  
AUDIO

EXPERIENCE **FYNE** AUDIO



F500  
SERIES



# A FYNE STORY: SCOTTISH-BASED DESIGN AND ENGINEERING TEAM WITH A RICH HERITAGE.

We're a relatively new name in the audio world, but Fyne Audio boasts enviable experience and expertise across the design and manufacturing team. We pride ourselves on being devoted audio professionals with a passion for music and desire for the finest sound quality.

The chances are that you also share this musical passion and whatever your budget, you'll want to enjoy a deep connection to your music. Investing in audio equipment can be a daunting experience. You're making a choice based on performance, aesthetic design, value for money and faith in the brand's expertise and heritage. Once you have made your decision, you will want your equipment to perform at its best for many years to come.

Fyne Audio can help you achieve a superb sounding system for all your hi-fi or home theatre requirements. Our extensive experience covers all aspects of designing and manufacturing great sounding, superbly-built

loudspeakers that are guaranteed to deliver perfect music and movie enjoyment. Our knowledge of the latest manufacturing techniques combined with our acoustical engineering talents, mechanical engineering expertise and industrial design flair means you can be assured that Fyne Audio loudspeakers offer best in class performance at all price levels.

Since coming together to form Fyne Audio, we have continued to hone our skills, develop new technologies and have filed exciting new patents on loudspeaker design. Together we can deliver on the promise that our name suggests. We are Fyne Audio.

# INNOVATORS OF FYNE TECHNOLOGY

## FULLY OPTIMISED TO PROVIDE A SUPERB LISTENING EXPERIENCE.



Our experienced team of acoustic and mechanical design engineers have been in the loudspeaker business for very many years. Drawing from this shared pool of knowledge has allowed Fyne Audio to develop technologies which combine to optimise our loudspeakers' performance and provide a superb listening experience.

### **ISOFLARE™ point source driver**

Utilised throughout the F500 series, Fyne Audio's IsoFlare driver is a point source system whereby the bass / midrange driver shares a common centre with the high frequency unit. Providing outstanding stereo imaging, even off axis, energy is radiated isotropically with constant directivity, following the flare of the driver cone. Sound is produced as if emanating from a single point in space.

To fully optimise the driver's performance, every aspect of the meticulous design has been considered. Eliminating unwanted vibrations, which would be detrimental to the sound quality, our IsoFlare drivers are built around a rigid cast aluminium chassis. Multifibre paper cones are used providing natural sounding midrange and clean transient behaviour.

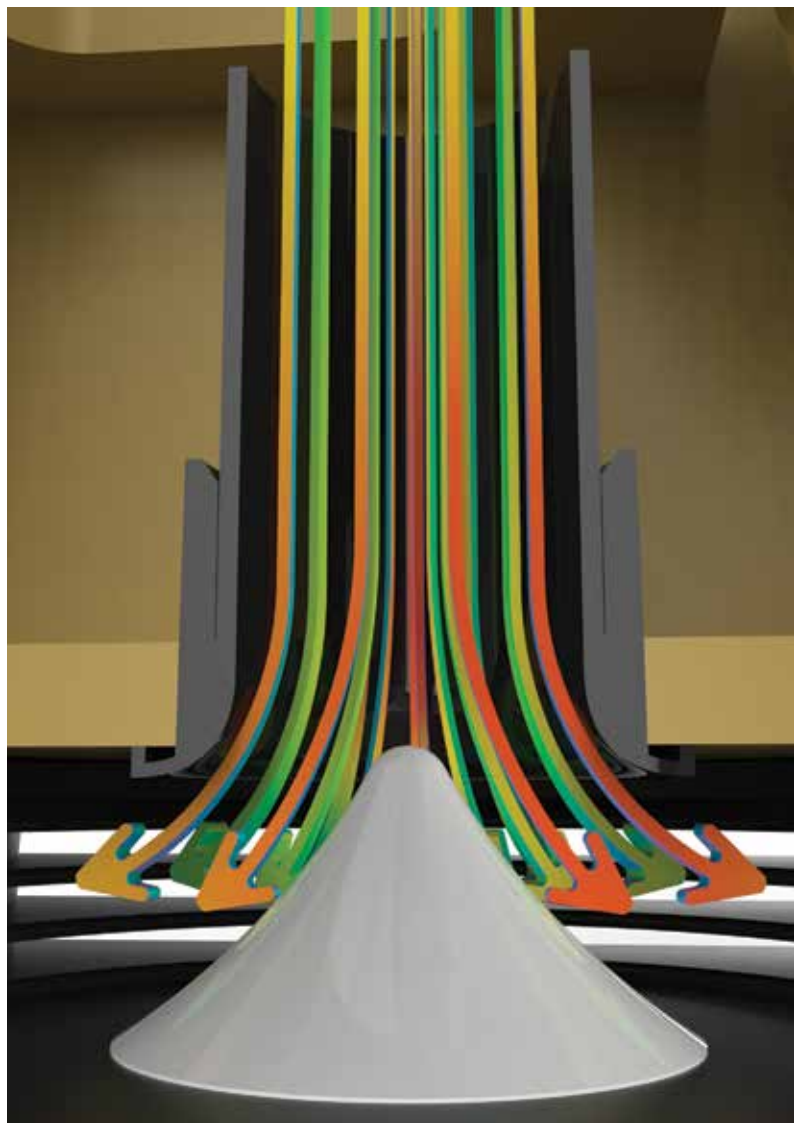
A vented rear chamber in the Neodymium high frequency driver magnet places low frequency resonance well below the crossover region. And pushing the break up mode well above the level of human hearing, the highly rigid titanium high frequency diaphragm delivers a smooth and extended response. The unique geometry of the high frequency unit's waveguide provides a flat frequency response and avoids internal reflections.

### **BASSTRAX™ Tractrix profile diffuser**

Bookshelf and floorstanding models in the F500 series employ a

downwards firing port system, and the floorstanding models use a twin cavity reflex loading system. This loading system broadens the tuning frequency to reduce cone excursion. The driver is therefore operating under less stressful conditions allowing enhanced musical interpretation. Silence is also an important factor when listening to music and another benefit of the diffuser system is that it effectively mutes unwanted air-movement noises by blocking standing waves produced by the main internal port.

Below the vent in the base of the loudspeaker, the BassTrax Tractrix profile diffuser (patent applied for) is used to convert the plain wave energy to an expanding spherical 360-degree wavefront, integrating energy uniformly into the listening environment and making the loudspeaker less critical of room positioning. Maintaining a 90 degree angle at each intersection of the expanding wavefront, the BassTrax Tractrix profile avoids reflections which could otherwise blur and impair the music.





# “PUT PLAINLY I DIDN'T WANT TO GIVE THEM UP SO – THEY ARE NOW MY REFERENCE STANDMOUNT!”

## F500: HI-FI PIG - RECOMMENDED

### **FYNEFLUTE™**

With conventional driver surround profiles, at a specific frequency, energy can be reflected back down the cone, causing colouration. To provide a non-homogeneous interface, which very effectively terminates cone energy, we employ FyneFlute technology. This variable geometry, within the computer designed fluting, eliminates mis-termination effects and reduces colouration, providing greater musical accuracy.

### **Cabinet construction**

Combining Fyne Audio's key technologies within well-constructed cabinets ensure optimal in-room performance. Exceptional cabinet rigidity is provided on all F500 models through a combination of MDF panels which are cross-braced internally. Additional stiffness is achieved by coupling the magnet assembly of each driver to the cabinet bracing using a resonant-absorbing mastic. Floor standing models in the F500 series use a rigid MDF plinth with large floor coupling spikes giving stability to ensure well-controlled bass performance and further enhancing stereo imaging. Additionally, the spikes

can be adjusted from above the plinth allowing easier levelling of the speaker.

The luxuriously finished, contemporary styled cabinets are available in a choice of dark oak or black oak real wood veneer and piano gloss black or white. Enhancing their aesthetic appeal, they have a gently curved front and rear baffle which additionally benefits the acoustic performance by reducing colouration effects.

### **Crossover**

Low-loss, laminated core inductors and audiophile-grade polypropylene capacitors are used exclusively throughout the F500 series crossovers. The result is an exceptionally clean signal path and very low crossover losses, ensuring the very best in detail resolution and musical communication. Although the designs are computer optimised, fine-tuning is always undertaken through critical auditioning. High quality bi-wire speaker terminals are fitted to all models to allow further performance enhancement.



FINE AUDIO







# THE LINE UP: FYNE AUDIO'S F500 SERIES IS AS IMPRESSIVE WITH MOVIES AS IT IS MUSIC.

## **Bookshelf design**

An out and out purist audiophile design, the stand-mount F500 utilises a single 150mm (6") IsoFlare point source driver in a compact, ported cabinet. Offering precise imaging and intimate detailing, the F500 is ideal for small to medium listening rooms. Incorporating a down-firing port, bass energy is evenly dissipated into the room with our BassTrax Tractrix diffuser system.

## **Floorstanding designs**

The F501 is the smaller of the two floorstanding loudspeakers in the F500 series but capable of delivering low bass and effortless dynamics from a compact, small footprint cabinet. Bringing additional scale and power to the F500 series' signature clarity and articulation, the 150mm (6") proprietary IsoFlare driver is accompanied by a matched 150mm (6") bass driver.

Flagship of the F500 range, the F502 floorstanding loudspeaker combines an astonishing purity and transparency of sound with visceral bass. The system will suit larger listening environments but can reveal a huge dynamic range even when played at low volumes in smaller rooms. Isotropic energy radiation, with point source constant directivity, is provided by a 200mm (8") proprietary IsoFlare driver for outstanding stereo imaging, even off axis. A matched 200mm (8") bass driver is also fitted to the 64 litre cabinet ensuring a breathtaking musical or home theatre experience.

Both the F502 and F501 are supplied

with a dedicated plinth incorporating our BassTrax Tractrix diffuser system, which integrates bass energy uniformly into the room.

## **Home Theatre / multi-channel**

The F500 range is as impressive with movies as it is music. Fyne Audio's point source driver technology is ideal for articulating the finest of movie detail with pin-point accuracy. High efficiency and high power handling mean the F500 series delivers an incredibly dynamic and lifelike performance whether you are listening to DTS Master Audio or Dolby True HD.

Designed for multi-channel loudspeaker systems, the F500C is a dedicated centre channel loudspeaker voice matched with the F500 range. A 125mm (5") IsoFlare driver is at the heart of the F500C, delivering pin-point accuracy when the movie action is taking place centre stage. Providing additional low frequency extension and impact, the IsoFlare driver is accompanied by two 125mm (5") bass drivers.

Fyne Audio produce a range of high performance powered subwoofers to enhance the movie experience at home. There are 3 models to choose from based on either 8", 10" or 12" drivers and corresponding power output from 300 – 500 Watts. This allows perfect matching for your listening room size and deep bass requirements.

# EXPERIENCE **FYNE** DETAIL



**F500**



**F501**



**F502**



**F500C**

<b>System Type</b>	2 way, downwards firing port, with BassTrax Tractrix diffuser*	2 ½ way, downwards firing port, with BassTrax Tractrix diffuser*. Twin cavity coupled reflex	2 ½ way, downwards firing port, with BassTrax Tractrix diffuser*. Twin cavity coupled reflex	2 ½ way, rear ported
<b>Recommended amplifier power</b> (Watt RMS)	30 - 120	35 - 150	40 - 180	30 - 120
<b>Continuous power handling</b> (Watt RMS)	60	75	90	60
<b>Sensitivity</b> (2.83 Volt @ 1m)	89dB	90dB	91dB	91dB
<b>Nominal impedance</b>	8 Ohm	8 Ohm	8 Ohm	8 Ohm
<b>Frequency response</b> (-6dB typical in room)	45Hz - 34kHz	36Hz - 34kHz	30Hz - 34kHz	48Hz - 38kHz
<b>Drive unit complement</b>	1 x 150mm IsoFlare, multi-fibre bass / mid with 25mm titanium dome compression tweeter	1 x 150mm IsoFlare, multi-fibre bass / mid with 25mm titanium dome compression tweeter. 1 x 150mm multi-fibre bass	1 x 200mm IsoFlare, multi-fibre bass / mid with 25mm titanium dome compression tweeter. 1 x 200mm multi-fibre bass	1 x 125mm IsoFlare, multi-fibre bass / mid with 25mm titanium dome compression tweeter. 2 x 125mm multi-fibre bass
<b>Crossover frequency</b>	1.7kHz	250Hz & 1.7kHz	250Hz & 1.7kHz	350Hz & 2.1kHz
<b>Crossover type</b>	2nd order low pass, 1st order high pass	2nd order low pass, 1st order high pass	2nd order low pass, 1st order high pass	2nd order low pass, 1st order high pass
<b>Dimensions</b> - HxWxD	325 x 200 x 318mm (12.8 x 7.8 x 12.5")	984 x 270 x 318mm (38.7 x 10.6 x 12.5")	1114 x 322 x 380mm (43.9 x 12.7 x 15.0")	160 x 500 x 249mm (6.3 x 19.7 x 9.8")
<b>Finishes</b>	Dark Oak / Black Oak / Piano Gloss Black / Piano Gloss White			

\* Patent pending



F500



IsoFlare, FyneFlute and BassTrax are all Trademarks of Fyne Audio Ltd.

Fyne Audio Ltd reserve the right to amend details of the specification without notice in line with technical developments.

Information was correct at the time of print. Please refer to [www.fyneaudio.com](http://www.fyneaudio.com) for most recent information.

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ENGINEERED IN THE UK

