

Fluid Audio FX50 (komad) - aktivni studijski monitor

Šifra: 13979
Kategorija proizvoda: Studijski monitori
Proizvođač: Fluid Audio

Cena: 129,00 EUR

detailed explanation in the user guide.

Class D and DSP powered

Another update from the Fader Series is Class-D amplification. More clean, reliable power, more headroom, and also a standalone powerful DSP integration.

The digitally controlled crossover makes each speaker more consistent. The new FX series is truly a 21st Century reference monitor at home in any recording studio.

LED indicator on front baffle

The illuminated LED on the front panel is not only a status indicator, displaying whether the FX monitor is on, off or in standby, but also acts as an alignment beacon which allows you to properly align your speakers to your ear level.

A Coaxial Monitor for the 21st Century

The Fluid Audio Coaxial speaker design is notably different from traditional coaxial designs. Coaxial monitors in the 50's and 60's placed the high frequency driver behind the woofer, "porting" the high frequency through the woofer's voice coil opening. This design effectively used the woofer's cone as the wave guide, or horn. Since the woofer's cone is constantly moving (sometimes dramatically as it plays bass frequencies), there is a significant amount of Intermodulation distortion and audible smearing that happens as the high frequency radiates off the woofer's cone.

The coaxial design of the Fluid Audio FX and FPX series places the high frequency device in front of the woofer, secured to a fixed post. The tweeter is mounted in a hard plastic wave guide that allows the high frequencies to flow uninterrupted, so there is no audio smearing from the woofer's movements. By using the on-board DSP, 48 and 36db per octave Linkwitz-Riley slopes not only perfectly blend the low and high frequencies, but are also used to filter out acoustic anomalies inherent in coax designs (as the tweeter does not have a full size baffle to radiate from.) In addition to these unique benefits, users get all the other known benefits of a coaxial driver - Symmetrical off-axis response (which creates a bigger, more even and consistent sweet spot) and that of being a "point source" device, which allows better phase coherence between drivers resulting in extremely realistic imaging. Whether upright or laid on its side, the Fluid Coaxial design will perform identically making studio positioning easier and more user friendly.

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Boundary compensation DIP switches

Sometimes the spaces where we mix aren't the most forgiving acoustically (especially if you're in a home studio).

The FX series monitors come equipped with boundary control EQ switches, that allow you to compensate for spaces that may not have been "tuned" or just need to be adjusted due to their proximity to the wall behind them. There is also a guide conveniently printed on the rear panel to show how the DIP switches work, and a more

Front-loaded slot port design

The bass-reflex slot port tunes the cabinet to maximize the bass output efficiency of the speaker. It is placed on the front panel not only to directly radiate the bass energy towards the listener, but also for flexibility of placement in your studio.

Updated Tweeter Grille protection

The FX coax design, with the tweeter suspended in the middle of the woofer, is very robust. As such, it provides outstanding protection for the woofer itself. However, the tweeter needs protection as well, this is why we added a small, steel perforated grille to protect the delicate silk diaphragm of the tweeter.

"Imaging and Depth"

It's one thing to put high quality speaker drivers in a cabinet with an amplifier and call it a great speaker. But for a transparent reference monitor, that is only the beginning.

Painstaking crossover design and listening sessions were undertaken to optimize not only a flat on-axis frequency response, but a depth of soundstage that has become the hallmark of Fluid Audio monitors. This ensures that your mix will not only sound great on your FX speakers, but will translate to speaker systems outside the studio as well.

Specifications

- Frequency response: 49Hz - 22KHz (+/- 3db)
- Crossover frequency: 2.9KHz
- Low-frequency amplifier power: 50 watts
- High-frequency amplifier power: 40 watts
- Signal-to-noise: 89dB (typical A-weighted)
- Polarity: Positive signal at + input produces outward LF cone displacement
- Input impedance: 20 k ohms balanced, 10 k ohms unbalanced
- Input sensitivity: 85 mV pink noise input produces TBD dB output 89dBA @ one meter with volume control at maximum
- Power: 100V - 240V~50/60 Hz
- Protection: RF interference, output current limiting, over temperature, turn-on/off transient, subsonic filter, external mains fuse
- Cabinet: Vinyl-laminated MDF
- Size (single monitor): 9.21*6.93*9.0 / 234mm x 176mm x 230mm
- Weight (each): 8.15lbs / 3.8kg

Model	C5	C5BT	F4	F5
	C5 <small>Image not found or type unknown</small>	C5-BT <small>Image not found or type unknown</small>	Fluid Audio F4 <small>Image not found or type unknown</small>	Fluid Audio F5 <small>Image not found or type unknown</small>
Configuration	2-way	2-way	2-way	2-way
System Type	Active Studio Monitor	Active Studio Monitor	Active Studio Monitor	Active Studio Monitor

Model	C5	C5BT	F4	F5
Woofer	5" paper pulp composite cone	5" paper pulp composite cone	4" paper pulp composite cone	5"
Mid Driver				
Tweeter	1" PEI diaphragm	1" PEI diaphragm	1" Soft Dome	1"
Frequency Response	54Hz - 22KHz (+/- 3db)	54Hz - 22KHz (+/- 3db)	69Hz - 22KHz (+/- 3db)	49 (+
Max Peak SPL	97	97	98	10
Amplifier Class	CLASS AB	CLASS AB	CLASS AB	Bi CL
Power Output	40W (2x20W)	40W (2x20W)	30W (2x15W)	70
High Frequency				30
Mid-Frequency				
Low Frequency				40
Input Impedence	20KΩ Balanced / 10KΩ unbalanced	20KΩ Balanced / 10KΩ unbalanced	20KΩ Balanced / 10KΩ unbalanced	20
HF Level Adjust				
MF Level Adjust				
System Volume	-23dB to +6dB	-23dB to +6dB	-23dB to +6dB	-2
Indicators	Power	Power	Power / Standby	Po
Standby Function	No	No	Yes	Ye
Inputs	Balanced TRS, Unbalanced RCA	Balanced TRS, Unbalanced RCA, optical toslink, bluetooth 4.0 aptX	Balanced TRS, Unbalanced RCA	Ba RO

Model	C5	C5BT	F4	F5
Enclosure Construction	MDF	MDF	MDF	M
Finish	Black Vinyl Wrap	Black Vinyl Wrap	Black Vinyl Wrap	Bl
Port Configuration	Rear Firing Port	Rear Firing Port	Rear Firing Port	Fr
Depth	7.6" / 193 mm	7.6" / 193 mm	6.78" / 172 mm	7.
Width	6.85" / 174 mm	6.85" / 174 mm	5.9" / 150 mm	6.
Height (D X W X H)	10.1" / 256 mm	10.1" / 256 mm	8.74" / 222 mm	10
Weight	15.4 Lbs. (7 Kg.) pair	15.9 Lbs. (7.2 Kg.) pair	13.2 Lbs. (6 Kg.) pair	20