

Sound BLASTER X-Fi Notebook



With the rising trend in sales and use of portable notebooks, there is also an increasing demand by users to have a simple device to plug into their notebook and yet provide quality audio for their entertainment needs.

Sound Blaster X-Fi Notebook combines Creative's X-Fi technology and proprietary wireless implementation in the ExpressCard form factor, enabling users to enjoy X-Fi enhanced music and to wirelessly stream their music without additional equipment taking up extra space outside the notebook.

Play music through speakers without wires – Users can stream high quality music wirelessly to any speakers using Creative wireless receivers (available separately). Sound Blaster X-Fi Notebook lets you send music across the room or around the house.

Key Features

- ExpressCard/34
- Built-in wireless transmitter (see "Wireless Features" section on page 3)
- **X-Fi Crystalizer**
Restores the detail and vibrance to your compressed music and movies. All the highs and lows are intelligently enhanced so you'll hear everything in crystal clarity.
- **X-Fi CMSS-3D**
X-Fi CMSS-3D technology expands your stereo MP3s and digital movies into virtual multi-speakers or headphones. Voices are centered in front of you and ambient sounds are positioned all around you.
 - 1) **X-Fi CMSS-3D Headphone**
Expands your music or sound away from your earphones, giving you an ultra realistic surround sound over headphones.
 - 2) **X-Fi CMSS-3D Virtual**
X-Fi CMSS-3D technology expands your stereo MP3s and digital movies into virtual surround sound over stereo speakers.
- Line-In monitoring
- Control of wireless features via software application (Entertainment Mode console)
- EAX.4.0 Advanced HD for games – Allows you to recreate multiple environments simultaneously.
- OpenAL – A cross-platform 3D Audio API that unlocks the full potential of Sound Blaster cards.
- ALchemy – Restores surround sound for legacy game titles running in Windows Vista®.
- CyberLink® PowerDVD™
Get cinematic DVD movie playback with PowerDVD software featuring DTS™ and Dolby Digital® decoding (free download with purchase).
* Note: May not be available for some variants of this product.

System Requirements

- Microsoft® Windows Vista® 64-bit with Service Pack 1 (SP1), Windows Vista 32-bit with SP1, Windows® XP Professional x64 Edition, Windows XP Service Pack 2 (SP2) or Service Pack 3 (SP3), Windows XP Media Center Edition (MCE) 2004 or later
- Intel® Pentium® M, Intel Core™, AMD Turion™ series or equivalent mobile processor 1.66 GHz, or faster
- Intel, AMD® or 100% compatible motherboard chipset
- For Windows Vista: 512 MB RAM (1 GB RAM recommended)
- For Windows XP: 256 MB RAM
- 600 MB of free hard disk space
- Available ExpressCard/34 or ExpressCard/54 slot
- CD-ROM/CD-RW or DVD-ROM drive required for software installation

DVD-Video Playback

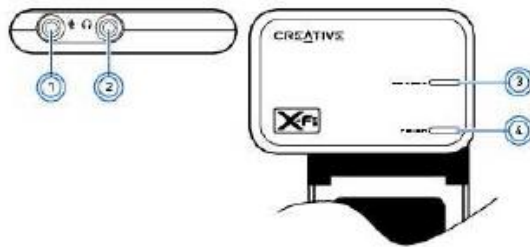
- 6x or faster DVD-ROM drive
- DVD player software such as InterVideo® WinDVD® or CyberLink PowerDVD (latest version recommended) installed
- Headphones or amplified speakers (optional)

Notes

- Other applications may have higher system requirements. Refer to the applications' documentation for details.

Connectivity & Controls

SB X-Fi Notebook features the following connectivity:

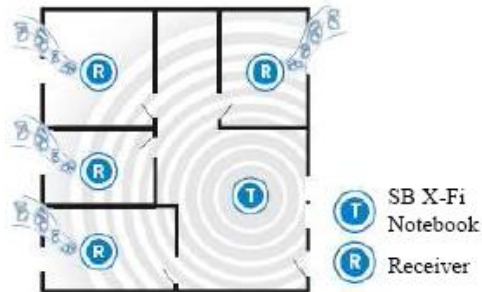


	Connectivity/ Feature	Description
1	Microphone In/ Line In jack	Connects to line-level sources (for example, MP3 players) or microphones with a 3.50 mm (1/8-inch) plug.
2	Headphone/ Line Out jack	Connects to the Front Left and Front Right inputs on powered analog speakers or stereo headphones with a 3.50 mm (1/8-inch) plug.
3	Connect LED button	Lights up green when wireless streaming is enabled and ready. Flashes green when button is pressed to indicate pairing with a wireless receiver or supported device.
4	Power LED	Lights up blue when Sound Blaster X-Fi Notebook is connected to your notebook and turned on.

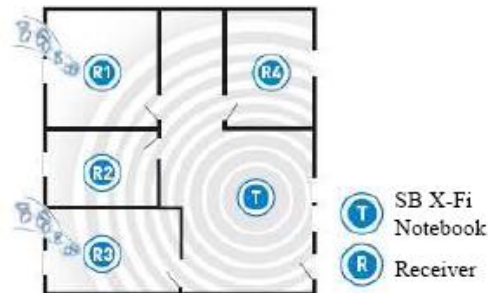
Wireless Features

SB X-Fi Notebook is capable of streaming music wirelessly to supported Creative wireless receivers. For example, you can pair up one or more receivers, and control playback using the Broadcast and Zone features in the Entertainment Mode console application to enjoy music throughout your house.

The **Broadcast** feature enables you to stream music to any number of wireless receivers. It can be used without manual pairing.



The **Zone** feature enables you to stream music to a maximum of four selected wireless receivers. It requires manual pairing and each device is assigned to an available zone.



Audio Performance (Typical Values)

(Note: All values TBC)

Audio Performance

Default Parameter	Mic In
ADC Resolution	Stereo: 24-bit, 48kHz
Full scale Input level	> 25m Vrms (w/o 20dB boost)
Input Impedance	> 4K ohms
Frequency Response	20 ~ 20,000 Hz
SNR	≥ 68 dB

Default Parameter	Headphone Out	Analog Line Out
ADC Resolution	Stereo: 24-bit, 48kHz	
DAC Resolution	Stereo: 24-bit, 48kHz	
Output Level (without X-Fi)	~ 0.7 Vrms @32 Ohms	~ 1.8 Vrms @10 kOhms
SNR (wireless module disabled)	≥ 98 dB	
SNR (wireless module enabled)	≥ 98 dB	
THD+N (measured @ 24/96 @ Line Out)	≤ 0.02%	≤ 0.05%
Frequency Response	20 ~ 20,000 Hz	

SNR : Signal to Noise Ratio

THD+N : Total Harmonic Distortion + Noise

Power Consumption

+3.3V	400	mA
+1.5V	230	mA

Temperature Range

Operating	10 °C to 50 °C
Non-Operating	-20 °C to 55 °C

Relative Humidity Range

Operating	20% to 80%
Non-Operating	20% to 85%

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