



# kramer

## FA10BM-4

HighSecLabs Audio Diode USB To Analog  
with Microphone support

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FA10BM-4 is an audio diode that mitigates the risks of eavesdropping, when using peripheral audio devices, by forcing unidirectional audio flow and using low-pass filter

## FEATURES

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**Audio Data Hacking Prevention** - The diode blocks listening in to surrounding conversations, by forcing unidirectional flow. This prevents hackers from manipulating a speaker/headphone to function as a microphone, for picking up surrounding conversations. In addition, all sounds passing through the Audio Diode go through a low-pass filter that restricts the audio frequencies to the range compatible with the human ear. This prevents hackers from attacking by broadcasting high-frequency signals to an external hacking device

**Easy Installation** - Quickly connects to the host PC and audio device

**Convenient Control** - Push a button to activate the speaker/headphone, switch off access while users are away, set how long the speaker remains open when conducting a Skype call, and, if needed, extend the time by re-pressing the button at the end of the set period to continue the conversation

**Smart Button Operation** - Registers a press-and-release as a single event, to prevent pressing and holding the button nonstop. When pressing the speaker button, if no sound is heard for 20 seconds, it disconnects automatically

**LED Indicators** - Shows ON/OFF status and warning before disconnection

**Compact** - The 85mm X 65mm X 34mm unit occupies minimal space on your desktop



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## TECHNICAL SPECIFICATIONS

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Inputs	USB Audio On a USB type-A connector
Outputs	Speaker: On a 3.5mm mini jack
Environmental Conditions	Operating Temperature: 0°C to 40°C (32°F to 104°F) Storage Temperature: -20°C to 60°C (-4°F to 140°F) Operating Humidity : 20 to 80% non-condensing Storage Humidity: 10 to 90% non-condensing Altitude: 0 to 10,000 ft
Product Dimensions	8.50cm x 6.50cm x 3.40cm (3.35" x 2.56" x 1.34" ) W, D, H
Product Weight	0.2kg (0.4lbs) approx
Shipping Dimensions	22.00cm x 12.00cm x 4.00cm (8.66" x 4.72" x 1.57" ) W, D, H
Shipping Weight	0.3kg (0.6lbs) approx