

Quick Start Guide

Audio Diode



Installing the Audio Diode

The following procedure is applicable to all HSL's audio diode models:

MODEL NUMBER	FA10A-4	FA10B-4	FA10AM-4	FA10BM-4	FA10AO-4	FA10BO-4	FA10AC-4	FA10BC-4
FEATURES								
Input Interface (Host)	Analog	USB	Analog	USB	Analog	USB	Analog	USB
Output Interface (Audio Device)	Analog	Analog	Analog	Analog	Analog	Analog	Analog	Analog
Microphone Support	x	x	✓	✓	x	x	✓	✓
Always Open	x	x	x	x	✓	✓	x	x

To install an Audio Diode:

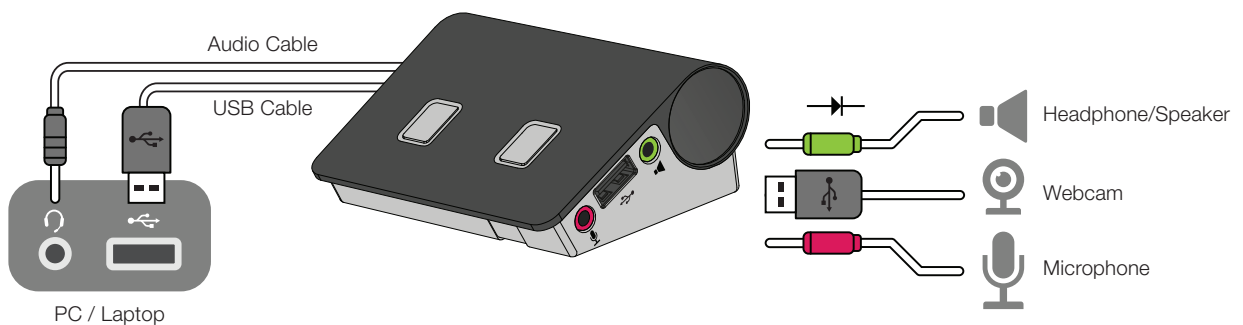
1 Connect the Audio Diode to the PC

- For all models, connect the USB connector to the PC's USB port.
Note: HSL's audio diodes are powered by USB.
- For models FA10A-4, FA10AM-4, FA10AO-4 and FA10AC-4, connect the analog audio jack to the source PC's speaker port.
Note: For the above models, the USB connection is only used to power the unit (no data).
- For Models FA10AM-4 and FA10AC-4, which supports mic as well as speakers and uses a 4-pole audio jack:
 - If the PC has a 4-pole audio socket, connect the jack directly. OTHERWISE –
 - If the PC has a separate speaker and microphone ports:

- Attach the supplied adapter to the 4-pole audio jack.
- Connect the adapter's:
 - Speaker connector to the PC's speaker port.
 - Microphone connector to the PC's microphone port.

2 Connect the speaker/headphone and microphone (if enabled) to the Audio Diode

- For all models, connect the analog speaker connector to the Audio Diode's speaker port.
- For models that enable a microphone, connect the analog microphone connector to the Audio Diode's microphone port.



Operating the Audio Diode

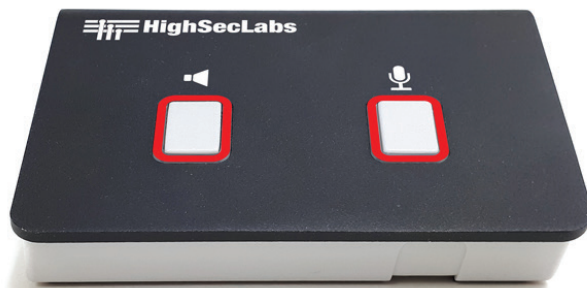
HSL's Secure Audio Diode family assure unidirectional audio flow and filtering of ultrasonic frequencies on all models. They effectively block eavesdropping on surrounding classified conversations.

Models **FA10A-4** and **FA10B-4** (with a speaker button) and **FA10AM-4**, **FA10BM-4**, **FA10AC-4** and **FA10BC-4** (with both speaker and mic buttons) in addition, let the user open and close the speaker and/or mic manually. On these models, by default, the speaker and mic are disabled.

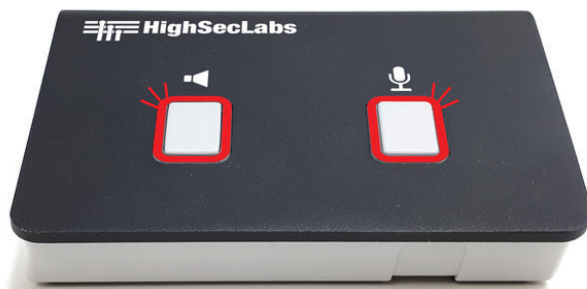
A green LED, by default, indicates that the audio is closed (safe). When pressing the device button, the peripheral device connects for 10 minutes, and the LED changes to red (unsafe). A minute before the audio switches off, the LED around the button flickers as a warning. The user can then extend that time with a long press on the button.



Secure / Safe to Talk (Default)



Not Secure / Speaker & Mic Open



About to Close