

Audio Diode Configuration Tool

User Manual



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INTRODUCTION

This manual shows how to use the Audio Diode Configuration Tool to configure the control buttons behavior on different Audio Diode models.

Note: This manual is not applicable for Audio Diode models without buttons (FA10A-4 and FA10B-4).

In the configurable Audio Diode family, each button press opens or closes the connection to one or both connected peripherals (speaker or microphone). The configuration tool allows the user to control the time for which that connection remains open. For example, the speaker button is preset to open the audio for 6 minutes. However, using the configuration tool, it is possible to allow a shorter or longer period.

As seen below, other settings are also configurable through the configuration tool. For a complete list of possible configurations, see the Configuring the Audio Diode section.

The Audio Diode configuration is done via the Audio Diode's dedicated port (Micro USB) used for configuration only.

No configuration is possible from the host PC!

Software and Hardware Requirements

Software Prerequisites

To operate, the Audio Diode Configuration Tool requires the following software running on the dedicated configuration PC (**not the host PC!**):

- [Audio Diode Configuration Tool](#) download
- Windows 10 Operating System
- NET Framework release 4.6.1 or higher

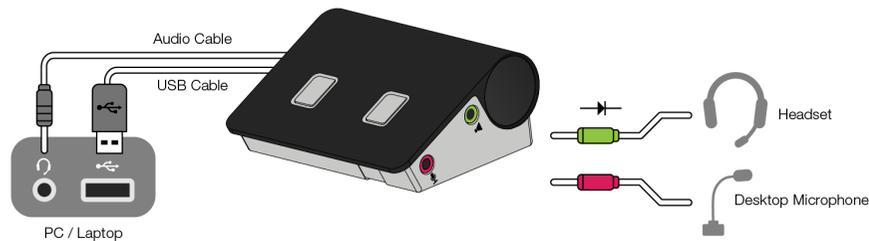
Hardware Prerequisites

To connect the configuration PC to the Audio Diode's dedicated port (Micro USB) requires a Micro USB to USB Type A cable.



Connecting the Audio Diode to the Dedicated Configuration PC

Note: Before connecting the Audio Diode to the dedicated configuration PC, make sure it is already connected to the host PC, via the USB. This provides power.



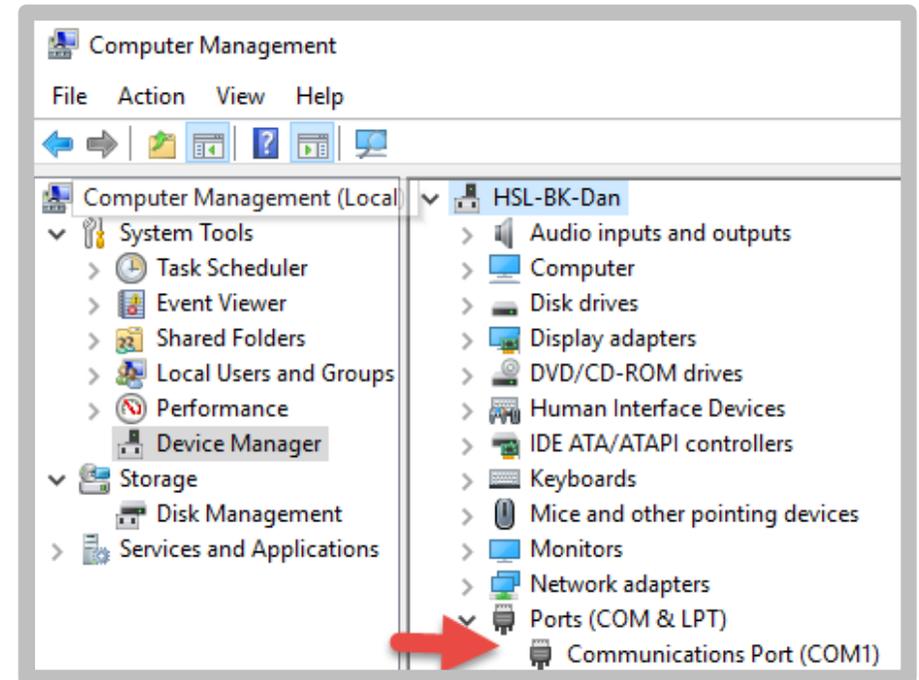
To connect the Audio Diode to the dedicated configuration PC:

1. Using the Micro USB to USB Type A cable, connect the Micro USB jack to the conf port on the Audio Diode.



2. Connect the USB Type A jack to an available USB port on the dedicated configuration PC.

3. Check the Device Manager list to see which COM port was added and note this, as it is used in the next procedure (Installing and Running the Audio Diode Configuration Tool).



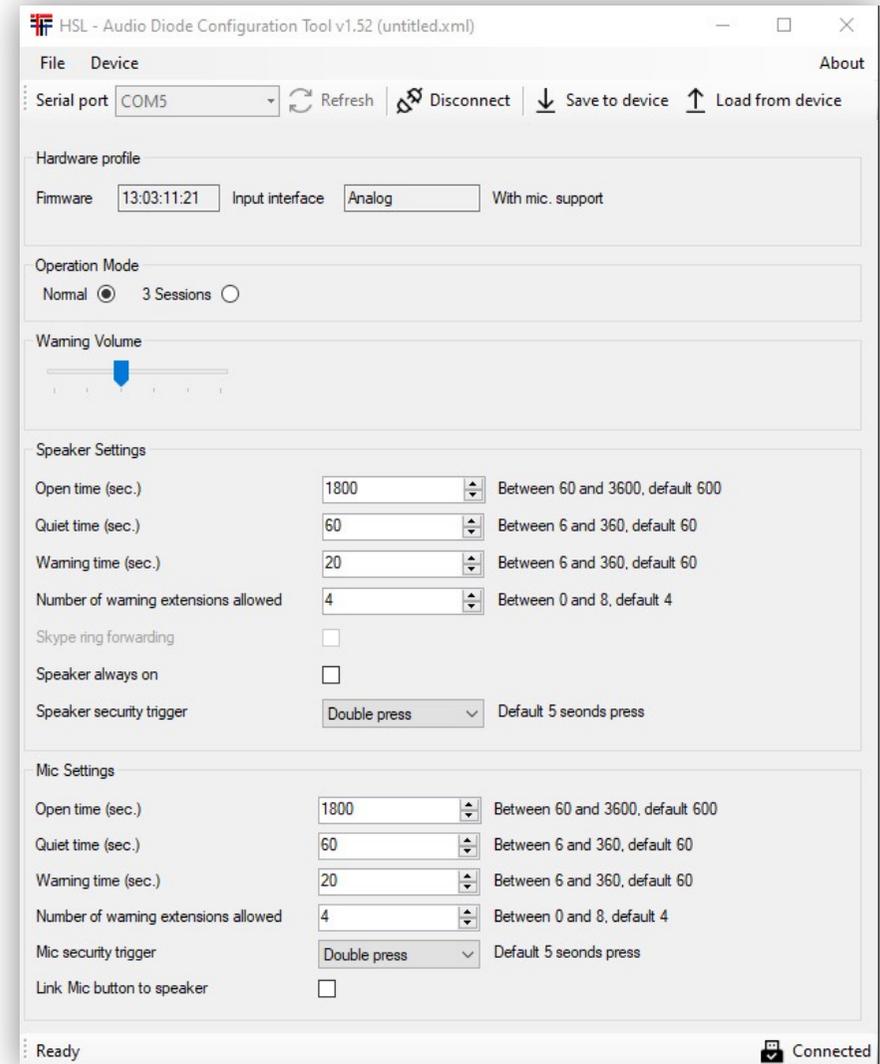
Installing and Running the Audio Diode Configuration Tool

1. Download the [Audio Diode Configuration Tool](#) onto the dedicated configuration PC.
2. Install the setup file. The adconfig icon  appears on the desktop.
3. Run the Audio Diode Configuration Tool by double-clicking on the adconfig icon.
The following configuration screen opens:

Note: For Audio Diode models that do not support a microphone, Mic Settings do not appear.

4. From the serial port list, select the COM port connected to the Audio Diode. This was added in step 3 of the previous procedure (Connecting the Audio Diode to the Dedicated Configuration PC).
5. Click **Connect**.
The following occurs:
 - A password dialog box appears, type in the default password: Admin1234.
 - Under Hardware profile, both the Firmware and Input interface parameters appear.
 - At the bottom right of the dialog box, the word: “Connected” appears.

It is now possible to configure the Audio Diode.



Configuring the Audio Diode

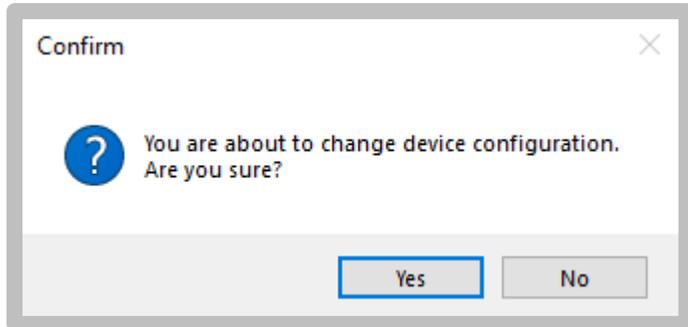
1. First, make sure to run and connect the Audio Diode Configuration Tool, as explained above.
2. Using the configuration screen, set the following Audio Diode parameters, described in the following table:

Parameter	Description
For the Volume Slider:	
Warning Volume	Moving the slider right or left will adjust the Warning sound volume.
For the speaker/headphone button:	
Open time (sec.)	Once the user has pressed the button, how long the speaker/headphone is open.
Quiet time (sec.)	If the user has pressed the button and no audio has passed, how long the speaker/headphone remains open. (Open time > Quiet time).
Warning time (sec.)	How long before Open time, the Audio Diode provides a warning notice that allows the user to extend that time by pressing the button.
Number of extensions allowed	The number of Warning time extensions allowed for the speaker/headphone.
Skype ring forwarding	Enables or disables the Skype ring forwarding feature.
Speaker always on	The user can configure that the speaker/headphone is always available, ignoring the push button. (Not recommended, risk of security breach!)

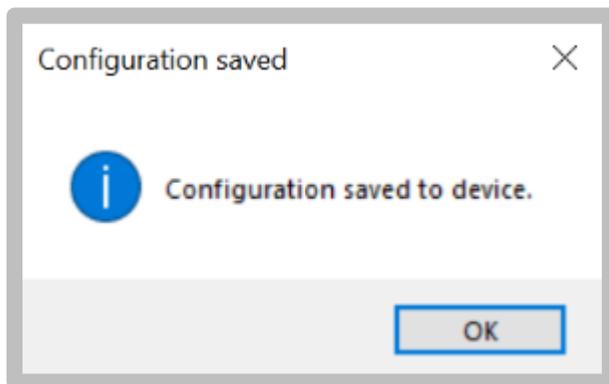
Parameter	Description
For the microphone button:	
Open time (sec.)	Once the user has pressed the button, how long the microphone is open.
Quiet time (sec.)	If the user has pressed the button and no audio has passed, how long the microphone remains open. (Open time > Quiet time).
Warning time (sec.)	How long before Open time, the Audio Diode provides a warning notice that allows the user to extend that time by pressing the button.
Number of extensions allowed	The number of Warning time extensions allowed for the microphone.
Link Mic button to speaker	Enables or disables the microphone button to also open the speaker button.
Mic safety trigger (sec.)	1/2/3 – 1 is a simple press, 2 is a double press, 3 is a 5-second press (default).

Configuring the Audio Diode

3. After changing the parameters, click **↓ Save to device**. The following Confirm dialog box opens:

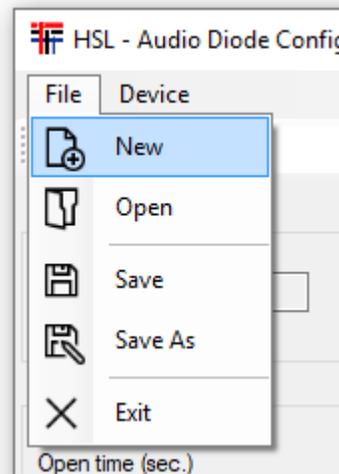


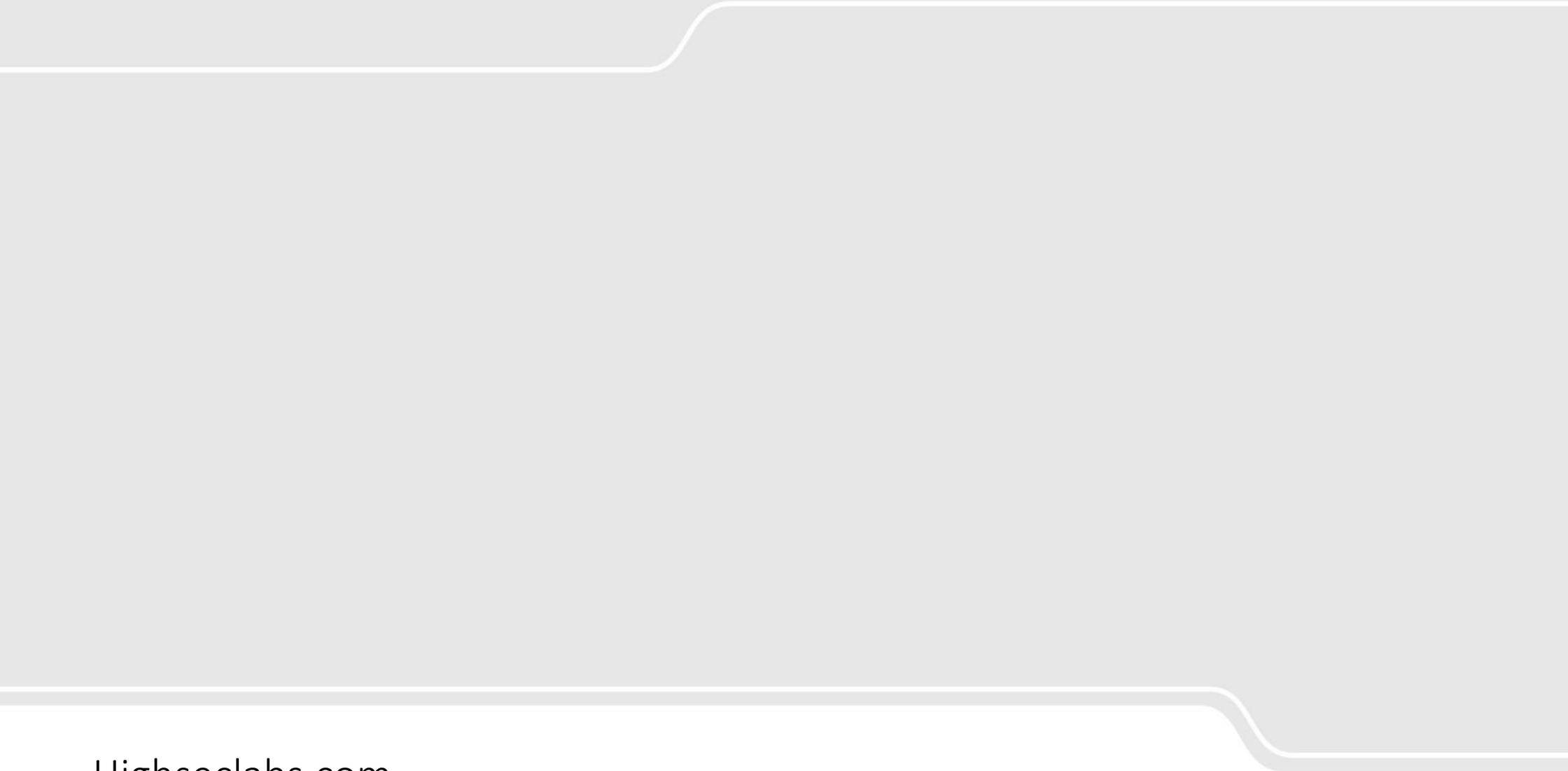
4. Click **Yes**. The following message appears:



5. Click **OK**.
6. Click **Disconnect** to apply the new configuration on the Audio Diode.
7. Restart the device.

Note: It is possible to save the configuration by clicking on the File menu, selecting **Save As**, and saving it as an XML file. For future configurations, it is possible to upload a previously created file, using the **File > Open** command and navigating to it.





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