Echo AIO™

Test Interfaces

CLI User Guide for Windows

Echo AIO Command-Line Interface

Setup

The AIO CLI application configures your AIO from the Windows command prompt or from another application. This is especially useful if you want to automate setting up your AIO as part of your test sequence.

To set up the CLI on Windows, run the Echo AIO installer. This will install the CLI along with the required EchoAIOInterface.dll library. The default installation folder is C:\Program Files\Echo AIO\CLI + API; the exact file path will vary depending on your system.

The CLI application is named EchoAIO.exe. To run the CLI, EchoAIOInterface.dll needs to be either in the same folder as EchoAIO.exe or within “\Program Files\Echo AIO”.

Configuring a single channel

To configure a single channel on your AIO, navigate to the CLI folder in the command line. The default folder is C:\Program Files\Echo AIO\CLI + API.

Specify the channel configuration with the command line:

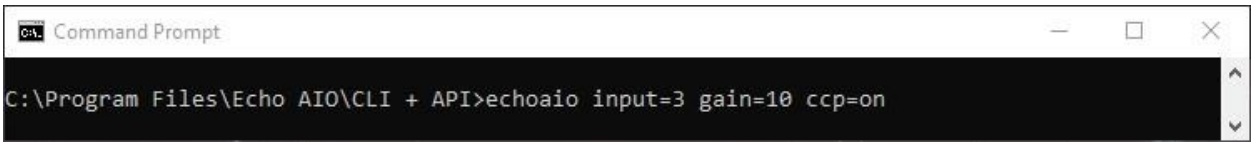
EchoAIO input=<channel> [gain[={1|10|100}]] [ccp[={on|off}]] [teds]
EchoAIO output=<channel> [gain[={1|10}]]

Parameter	Description
input	Specify input channel starting at channel 1
output	Specify output channel starting at channel 1
gain	Print the current gain setting
gain={1|10|100}	Set the channel to 1x, 10x, or 100x gain
ccp	Print the constant current power setting
ccp={on|off}	Enable or disable constant current power
teds	Read TEDS data from the specified input and print out the data

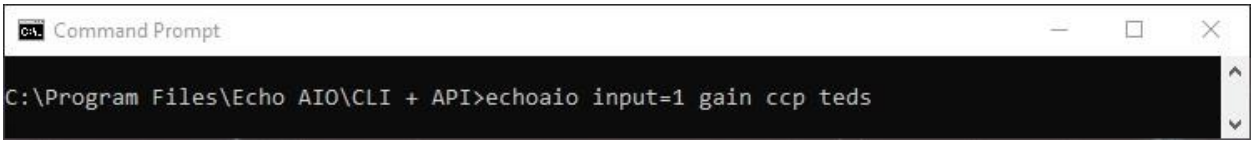
Parameters are not case-sensitive.

For example:

To set 10x gain and enable the constant current for MIC3 for input 3:



To print out the TEDS data and current settings for MIC1 on input 1:



Configuring the audio driver (Windows only)

The CLI can also set the ASIO buffer size and the sample rate (Windows only)

EchoAIO [asiobuffersize[=64..2048]] [samplerate[=<sample rate>]]

Parameter	Description
asiobuffersize	Set the preferred ASIO driver audio buffer size in samples Valid buffer sizes are 64, 128, 256, 512, 1024, and 2048 samples
samplerate	Set the current sample rate in samples per second

Parameters are not case-sensitive.

For example:

To set the sample rate to 96 kHz and the ASIO buffer size to 1024 samples:

To print out the current sample rate and ASIO buffer size:

Configuring the entire unit

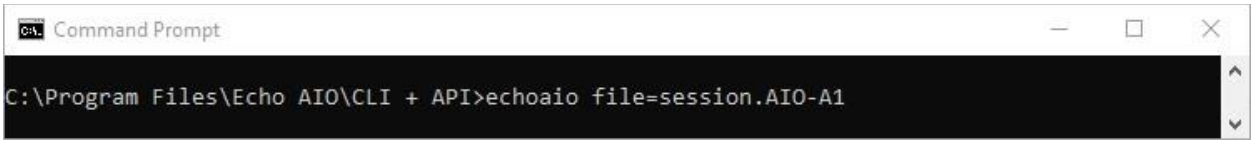
You can configure the Echo AIO unit using the CLI with Control Panel session files. To create a session file, run the AIO Control Panel app, set up the AIO unit as required, then select File/Save.

To configure the unit with a session file, navigate to the folder containing the CLI using the command line (the default location is “C:\Programs File\Echo AIO\CLI + API”). Then, enter the command:

EchoAIO file=<Session file>

For example:

To load a file called session.AIO-A1 enter:



Note that the session file extension will vary based on the AIO module configuration.

API Library

If you would like to develop your own application to control your AIO, please refer to this repository for API documentation along with C++ and Python examples:

https://github.com/mattgonzalez/EchoAIOExample