

MIDIMate

User Manual

English

The MIDIMate is an easy-to-use application available on Windows and MacOS that is included with every ClariMate. Download it now from the ClariMate website!

MIDIMATE INTRODUCTION



MIDIMate gives musicians an introduction to the world of MIDI instruments by giving them 5 high-quality sounds to play with their ClariMate: Bb Clarinet, Tenor Saxophone, Trumpet, Flute, and Viola.

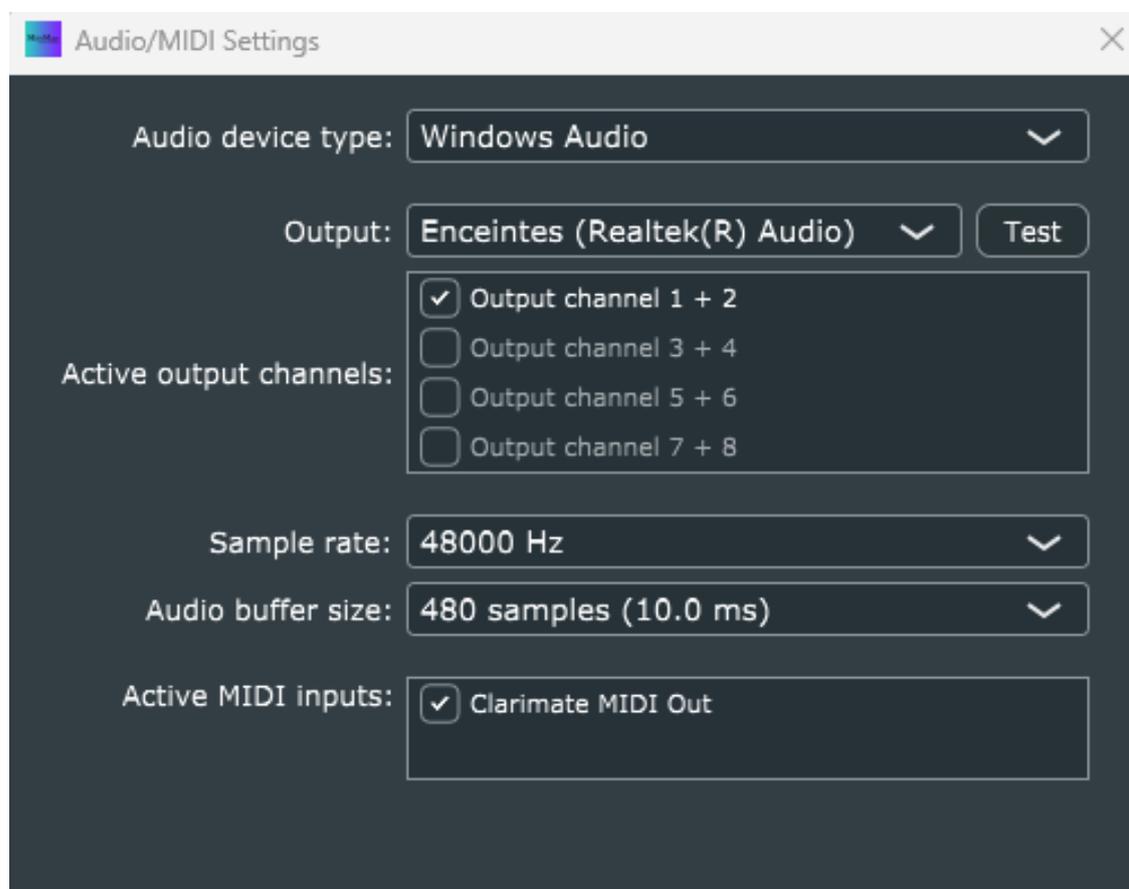
When you download it from the Buffet Crampon ClariMate website, MIDIMate will already be set up for use with your ClariMate.

All you need to do is connect your ClariMate to the ClariMate app on your Mac or Windows computer, open the MIDI tab to start the MIDI functionality.



OPTIONS

Next you launch the MIDIMate app, and go to the “options” menu in the top left, then click on “Audio/MIDI settings”



Here you will see the audio and MIDI options, where you can select the correct audio output for your system under the Audio device type and Output options.

The ClariMate MIDI Out should connect by default when you launch the MIDIMate app provided the ClariMate app is launched as well, with MIDI activated.

AUDIO DEVICE TYPE, OUTPUT, AND ACTIVE OUTPUT CHANNELS

By default, you should see Windows Audio as the audio device type. If you have an external audio interface or sound card, you can select the device type in that list.

Please note you will usually get better latency and audio quality results from using an external sound card with the MIDIMate app.

The output determines the device used, usually your computer speakers or headphones.

The active output channels determines the physical output channel of above device. Most devices will only have two channels (left and right or 1 and 2) but certain audio interfaces or sound cards will have multiple channels.

SAMPLE RATE AND AUDIO BUFFER SIZE

The Sample rate and Audio buffer size can be changed depending on your computer and audio device performance, but if you start hearing any noise artefacts such as cracking audio, make sure you return them to their default settings.

Sample rate is the amount of times per second a sample of audio is captured, this is usually measured in kilohertz.

Buffer size is the number of samples it takes for your computer to process the data. Setting it lower will result in lower latency but will take more CPU resources.

Latency is the delay between the input (you playing a note on your ClariMate) and the output (the computer outputting the MIDIMate audio). This is measured in milliseconds. When latency is higher than around 15 ms, it starts to become noticeable and uncomfortable for players.

Latency is calculated by dividing buffer size by the sample rate. In the image above, you can see a 480 samples buffer size divided by a 48khz sample rate results in a 10ms latency! This is an approximation and is not equal to the total latency, as that also depends on the latency of the USB connection between the ClariMate and the computer, the latency of the ClariMate itself, and any other devices which may be in the signal path.

TROUBLESHOOTING

If you have any issues, please follow these steps

1. Restart the ClariMate and MIDIMate apps, starting the ClariMate and opening the MIDI tab to launch MIDI and then open the MIDIMate app.
2. Make sure you have the correct audio output selected in the options menu at the top left of the MIDIMate app.
3. Make sure the ClariMate MIDI output option is selected in the Active MIDI inputs section of the options menu in the top left of the MIDIMate app.
4. Make sure that breath is sent from the ClariMate to CC11 (in the ClariMate app, MIDI tab -> breath -> CC11).
5. Make sure the ClariMate is updated to the latest firmware and app version in the ClariMate app.
6. Restart your computer and relaunch the ClariMate and MIDIMate apps