HUMANIZER MIDI 2

User Manual | Version 1.0.5 | VST3 MIDI plugin by Audiowavez

1. Introduction

Does your music sound too rigid or too mechanical? Humanizer Midi 2 varies the velocity and the timing of MIDI notes minimally and randomly. This creates a subtle, more human way of playing, since a human cannot play every note exactly the same. You no longer need to move the notes in the editor by hand.

The plugin is particularly suitable for loop-based tracks, as each loop sounds different. Place it in front of an instrument, and it processes the MIDI notes before they reach the instrument.

2. Installation

Humanizer Midi 2 is a VST3 plugin. Copy the folder **Humanizer Midi 2.vst3** from the downloaded ZIP file into your system's VST3 folder, then rescan plugins in your DAW:

Windows	C:\Program Files\Common Files\VST3
macOS	/Library/Audio/Plug-Ins/VST3
Linux	~/.vst3

When updating, delete the old **Humanizer Midi 2.vst3** folder first, so that only one copy remains. The version number is shown at the bottom left of the plugin window.

Demo version: The demo can be used without a time limit. Loading and saving presets is disabled in the demo.

3. Quick start

1. Insert Humanizer Midi 2 in front of the instrument you want to play. How exactly this works depends on your DAW (see section 6 for Cakewalk Sonar).
2. Switch on the modules you want to use by clicking the **LED** to the left of each slider. A module only works while its LED is lit.
3. Play your MIDI notes. The blue dots in the graph show how each note was changed.
4. Adjust the sliders until the playing sounds natural. Small values usually sound best.

> **Important:** If all LEDs are dark, the plugin passes the MIDI notes through unchanged and the graph shows only a single dot. Click the LEDs to activate the modules.

4. Controls

The plugin window has three areas: **Timing** (left), **Velocity** (right) and **Global** (bottom).

Timing

Control	What it does
LED	Switches the module on (lit) or off (dark).
Amount	How strongly the start time of each note is varied randomly, in milliseconds. The graph shows deviations from -100 to +100 ms.
Strum	Spreads notes that are played at the same time (chords) slightly apart in time, like a strummed guitar.
Shift	Moves all notes earlier or later by a fixed amount.

Velocity

Control	What it does
LED	Switches the module on (lit) or off (dark).
Amount	How strongly the velocity of each note is varied randomly.
Base	The central velocity around which the random variation takes place.

Global and other controls

Control	What it does
Global knob	The overall strength of all settings. 100% means the full effect, lower values reduce it.
New Start	Generates a new random pattern.
Bypass	Switches the effect off temporarily. The notes pass through unchanged.
Preset selector	The arrows load the previous or next preset, the disk icon saves your settings. Loading and saving is disabled in the demo version.

5. The graph

Every blue dot represents one processed note. The horizontal position shows how much the timing of the note was changed (in milliseconds, from -100 to +100). The vertical position shows how much its velocity was changed. While the music plays, you see the dots appear and move. If you see only one dot or none, check that the LEDs are lit and that MIDI notes reach the plugin.

6. Using Humanizer Midi 2 in Cakewalk Sonar

Cakewalk does not offer VST3 MIDI effects in its audio effect bins or in the MIDI FX section. The plugin has to be used as an **instrument** whose MIDI output feeds your real instrument.

1. Copy the plugin to the VST3 folder (see section 2), start Cakewalk and run a plugin scan (Preferences > VST Settings). If Cakewalk asks whether to remove Humanizer Midi 2 from all menus, click **No**.
2. Open the **Cakewalk Plug-in Manager**, select **Humanizer Midi 2** and change its type to **Instrument**.
3. Insert the plugin with **Insert > Soft Synth > Humanizer Midi 2** and enable the **MIDI output** option in the dialog.

4. Put your MIDI notes directly onto the Humanizer track (record, import or draw them). A separate source MIDI track is not needed.
5. Create a second instrument track with the sound you want to hear (synth or sampler). Set the **input** of this track to the MIDI output of Humanizer Midi 2.
6. Make sure the LEDs in the plugin are lit and press play.

> **Note:** Do not insert the plugin as an audio effect. It may load there, but it has no audio input and the MIDI notes of your tracks will not reach it.

7. Troubleshooting

Control	What it does
Nothing is processed; the graph shows only one dot	The modules are switched off. Click the LED to the left of each slider you want to use, so that it lights up.
Cakewalk: "Unable to patch Humanizer Midi 2"	The plugin was inserted as an audio effect. Use it as an instrument instead (section 6).
The plugin does not appear in the plugin list	Check that the folder **Humanizer Midi 2.vst3** is in the VST3 folder (section 2) and rescan plugins in your DAW.
An old version is shown	Close your DAW, delete the old **Humanizer Midi 2.vst3** folder and all other copies, copy the new one and rescan.
Load and save presets does not work	Loading and saving presets is disabled in the demo version.

8. Support

If you need help, write to **support@audiowavez.com**. Please include your DAW and its version, your Windows or macOS version and a screenshot of the problem.

(c) Audiowavez. All rights reserved.