

TG100



User Manual

English (US)

Version 1.0.0



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Introduction

Thank you for purchasing or downloading the Martinic TG100 MIDI Tone Generator plugin.

History

The Martinic TG100 plugin is based on the Yamaha TG100 sound module, which runs on the AWM (GEW8) and LDSP (YM3413) chips. You can read more about the history of the Yamaha TG100 and its reception in the early 1990s on the [Martinic TG100 Reverb History](#) page.

The original version of the TG100 also included a digital reverb, which you could apply to its internal sounds. At Martinic we split the sound-generating and reverb functionality into two plugins: this TG100 instrument plugin (including built-in reverb) and the TG100 Reverb effect plugin.

You can purchase the [TG100 Reverb effect plugin](#) directly from the Martinic website.

Features

The TG100 is a digital instrument plugin that offers 192 instrument voices and 10 drum kits. It is 16-part multitimbral, which means it can produce up to 16 different *timbres* simultaneously, and it has a polyphony of 28 notes. The TG100 tone generator is compatible with the General MIDI Level 1 standard. In addition, the plugin is fully compatible with the MIDI/SysEx dialect of the original TG100 in General MIDI mode, with the exception of MIDI bulk dump SysEx messages, which the plugin does not support.

For the full list of features, please see the [Martinic TG100 Specs page](#).

Installation

System Requirements

The TG100 is available as an **AAX**, **AU** (Audio Units), **CLAP** (CLever Audio Plug-in API), or **VST2 / VST3** effect plugin, which means it needs to run inside AAX, AU, CLAP, or VST

hosting software, e.g., Pro Tools, Ableton Live, Cubase, GarageBand, Logic Pro, REAPER, Fender Studio Pro, etc.

Although the TG100 should be able to run at any sample rate the host provides, a rate of at least 44.1 kHz is recommended.

The plugin is designed to run on Windows 7 or newer as a 32-bit or 64-bit plugin, or Mac OS X 10.9 (Mavericks) or newer as a 64-bit plugin.

ROM Files

The Martinic TG100 requires the original TG100 firmware (tg100prog.bin) and wave ROM (tg100smpl.bin) files. These ROM files are not included in the installer, but the installer can install the ROM files along with the plugin and license.

Please note that the ROM files are neither created nor owned by Martinic. We only provide [download links](#) on our website for your convenience.

The Martinic TG100 currently supports only v1.10 of the firmware ROM. If your original TG100 has a different version, and you would like us to add support for it as well, then please [let us know](#).

Windows Installation

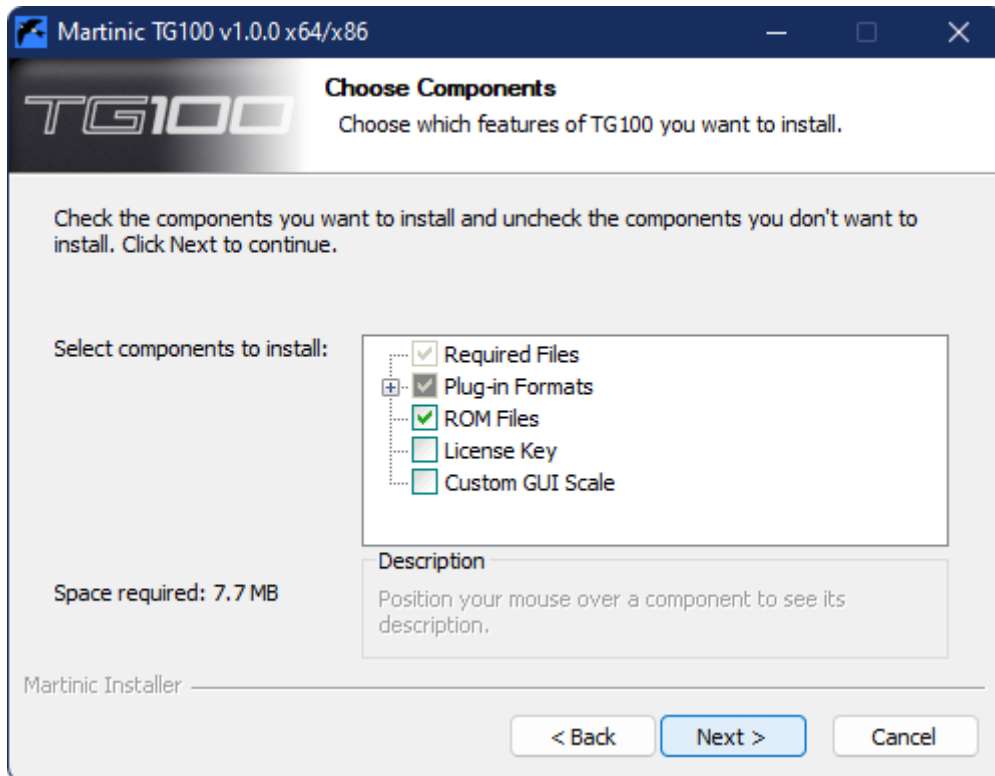
To install the TG100 on Windows, [download](#) the Windows x64/x86 AAX/CLAP/VST2/VST3 installer or [download](#) the Windows Arm64EC CLAP/VST2/VST3 installer, and save it on your computer (e.g., in your Downloads folder).

Navigate to this folder, locate the installer, and double-click on it. Then click on the **Next** button to start the installation process.



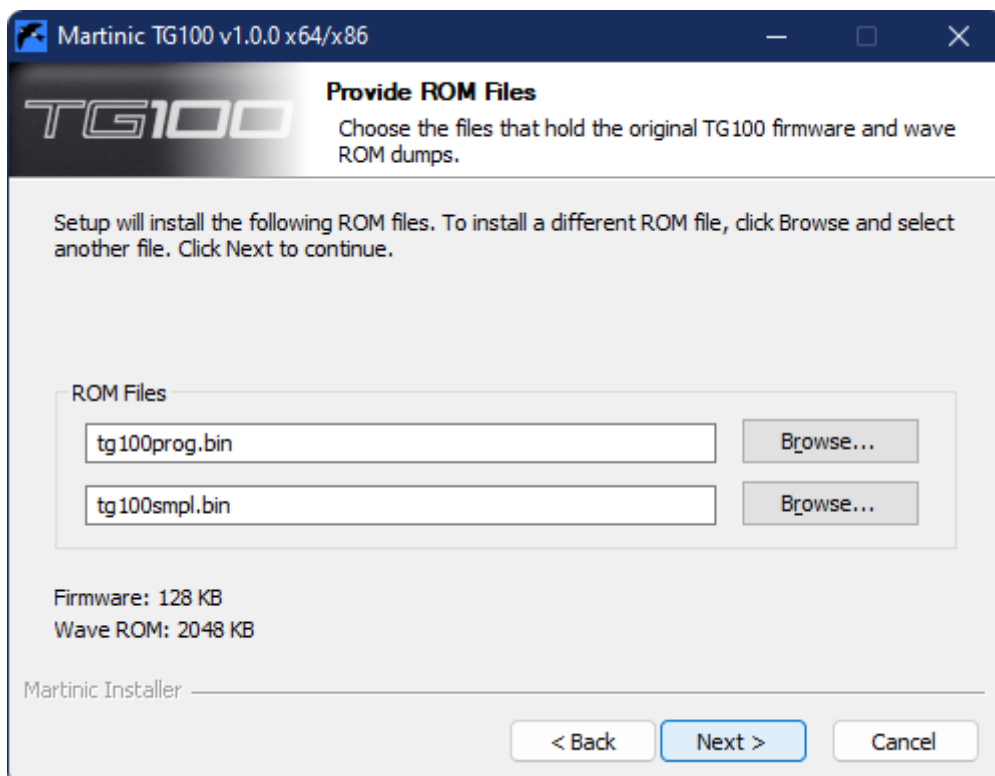
Carefully read the license, and then click on the **I Agree** button to continue. Next, select which formats of the plugin you want to install.

Select **Customize GUI Scale** to manually override the scaling factor of the plugin on a later screen. The TG100 plugin requires the original TG100 ROM files, so the first time you run the installer make sure the **ROM Files** option is selected. Optionally, you can select **License Key** if you have purchased a license. Click on the **Next** button to continue.

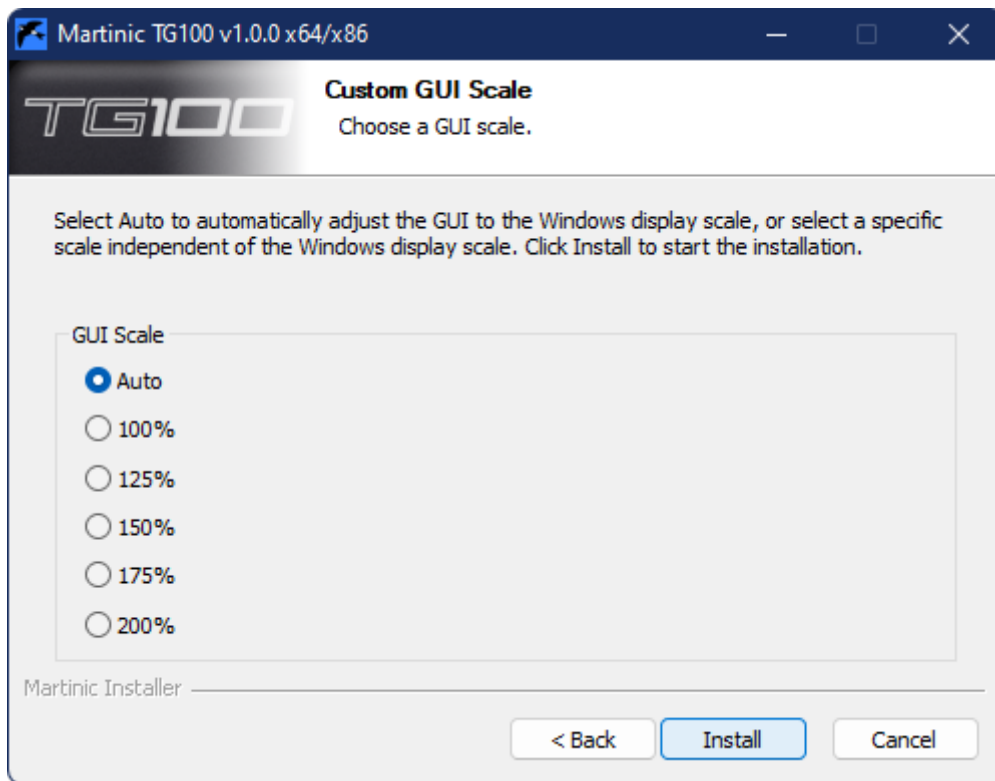


Optionally change the install location, and again click on the **Next** button. Then select your VST2 32-bit and/or 64-bit plugin folder, and optionally select your license key file (if you have purchased a license), confirming each selection by clicking on the **Next** button.

If you selected **ROM Files**, you will be prompted to locate the required ROM files. First, browse to tg100prog.bin, then to tg100smpl.bin, and click **Next** after selecting both files.



If you selected **Customize GUI Scale**, you will be able to choose the scaling option before selecting **Next** to begin installation.



Now wait for the installation to complete (this should take only a few seconds), click on the **Close** button, and you are ready.

Mac Installation

To install the TG100 on Mac OS X or macOS, [download](#) the Mac AAX/AU/CLAP/VST2/VST3 installer disk image (DMG), and save it on your computer (e.g., in your Downloads folder).

If you have purchased a license, you should copy your license key file to the same folder where you placed the installer disk image (DMG) so that it can be installed along with the plugin. Optionally, place the license key file on the desktop in case the installer cannot find it.

If you are installing the required ROM files (tg100prog.bin and tg100smpl.bin), also place them in the same folder as the installer disk image (DMG), or on the desktop.

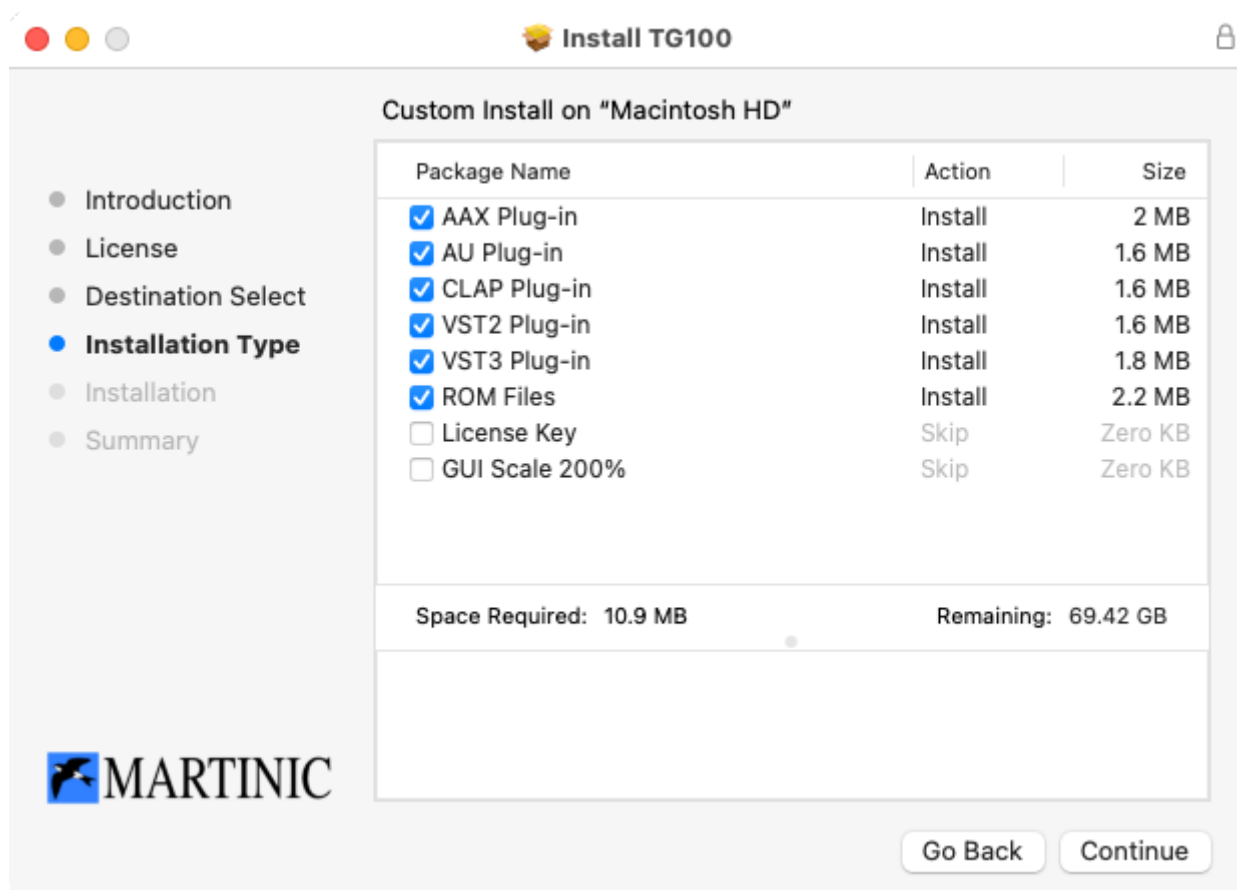


Navigate to the folder in which you have saved the installer, locate the installer disk image (DMG), double-click on it, and then double-click on the **TG100 Installer.pkg** icon. Click on the **Continue** or **Allow** button to confirm that the installation package will run a program, and then click on **Continue** (in the bottom right corner of the installation window) to start the installation process.

Carefully read the license, click on the **Continue** button, and then click on **Agree**. Next, select which formats of the plugin you want to install (it is recommended that you install the AAX, AU, CLAP, and VST formats, just to be sure).

The TG100 plugin requires the original TG100 ROM files, so the first time you run the installer make sure the **ROM Files** option is selected. Optionally, you can select **License Key** if you have purchased a license. Select **GUI 200% Scale** if the GUI appears too small on a non-Retina display.

Click on the **Continue** button to continue. Optionally change the install location, and then click on the **Install** button.



Now wait for the installation to complete (this should take only a few seconds), click on the **Close** button, and you are ready.

Loading the TG100 in Your DAW

Once the plugin has been installed, start or restart your DAW. The plugin should be available in AAX, Audio Units, CLAP, VST2, and VST3 formats (if all five have been installed).

The plugin may be named **TG100** or **Martinic TG100**. This may differ between plugin formats.

Getting Around

Using the Controls, Fine-Tuning, Value Entry

You can adjust controls by clicking and dragging them up or down using the mouse. To fine-tune a parameter to a more exact value, hover your cursor over it, hold the **Ctrl** key

(Mac and Windows), and scroll the mouse wheel. You can also right-click on a knob to enter a value using the computer keyboard.

Double-clicking a knob or fader will reset it to its preset's default value.

Controlling the TG100 Using MIDI

The Martinic TG100 has a single **Master Volume** knob, but no other controls. Any other settings can be changed only using MIDI messages, like Program Change, Control Change, Note On/Off, Pitch Bend, and SysEx. You can typically send these MIDI messages from your MIDI keyboard or controller, your DAW's MIDI controls, or by importing a MIDI file into your DAW.

Because the TG100 is 16-part multitimbral, it can receive MIDI on different MIDI channels, where each channel (or part) has its own settings. In most modern DAWs this will work "out of the box", but some DAWs will require additional setup steps. There are also DAWs that do not support multitimbral MIDI at all. For more information please refer to your DAW's documentation.

Note that even if your DAW does not support multitimbral MIDI, you can still use the TG100. You can even still use different programs by loading multiple instances of the TG100. This will also increase its polyphony, because each individual instance can play up to 28 notes simultaneously.

The original TG100 retains most of its settings only as long as it you keep it powered on. This means you will have to use SysEx and MIDI channel messages to reset and initialize the TG100 each time before using it. Each Martinic TG100 instance does retain all of its settings, so you do not have to reset and initialize it again each time (but you can, if you want to).

For detailed instructions on operating the TG100 via MIDI, please refer to the [original TG100 manual](#).

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