

BLOFELD VIRTUAL EDITOR

USERS GUIDE

BY SOFTKNOBS

VERSION 0.8.3 BETA

DECEMBER 2010

<http://www.softknobs.com>

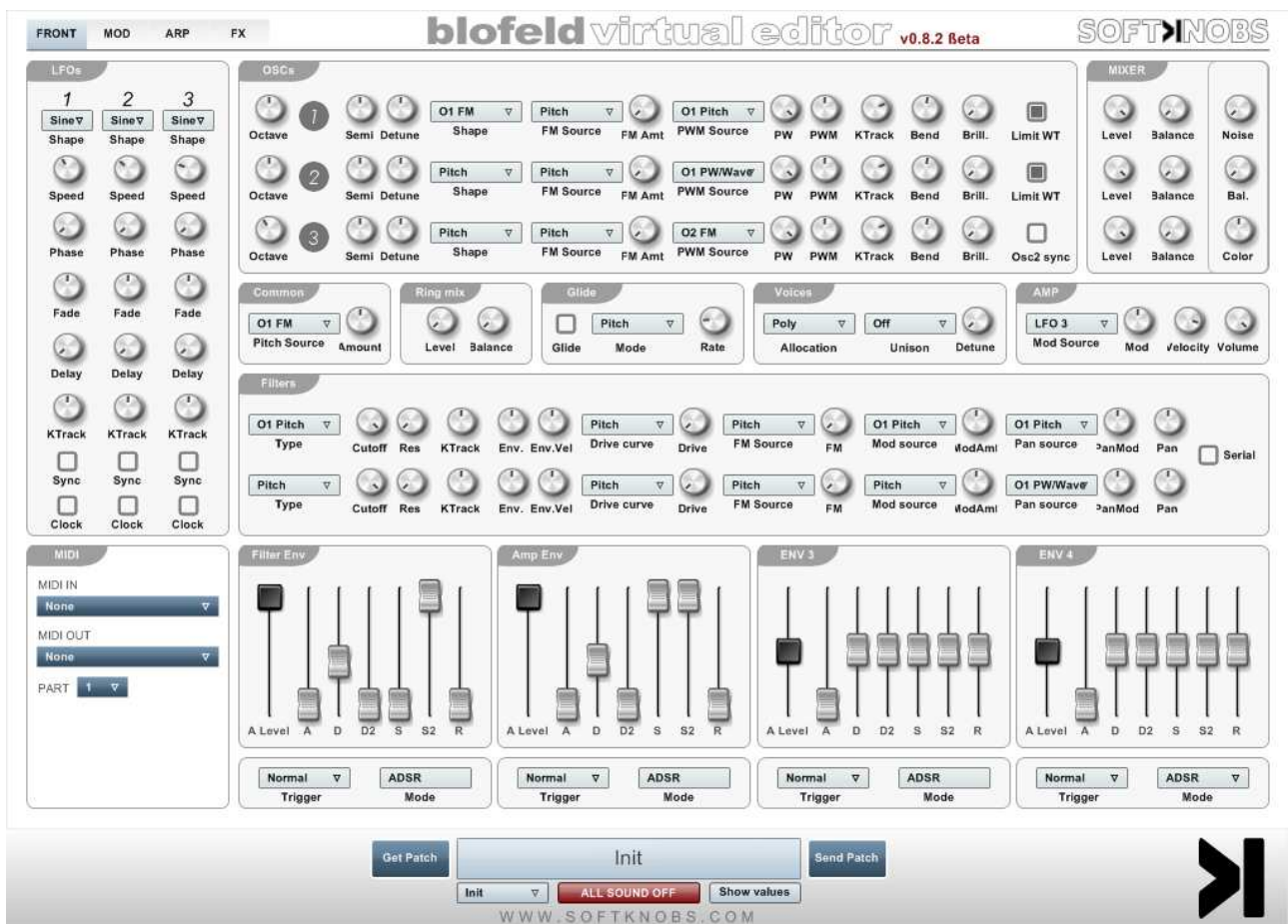


TABLE OF CONTENTS

INTRODUCTION.....	3
INSTALLATION.....	3
VST PLUGIN.....	3
SETUP.....	3
SETTING UP THE SOFTWARE.....	3
SETTING UP THE WALDORF BLOFELD.....	4
USING BLOFELD VIRTUAL EDITOR.....	4
QUICK START.....	4
ADJUSTING CONTROLS.....	4
<i>KNOBS AND SLIDERS</i>	4
<i>DROP DOWN MENUS</i>	5
USAGE.....	5
<i>PANEL TABS</i>	5
<i>GET PATCH</i>	5
<i>SEND PATCH</i>	5
<i>ALL SOUND OFF</i>	5
PART CONFIGURATION.....	6
BI-DIRECTIONAL EDITING.....	6
SAVE AND RESTORE.....	6
SUPPORT AND UPDATES.....	7
LICENSE.....	7
DISCLAIMER.....	10

INTRODUCTION

Blofeld Virtual Editor is a flexible tool to control and edit patches of the incredible Waldorf Blofeld desktop synthesizer.

Blofeld Virtual Editor is to be used as a VST instrument. A standalone version is planned when the plugin gets some maturity.

INSTALLATION

Blofeld Virtual Editor is Windows only and no Mac version is planned.

VST PLUGIN

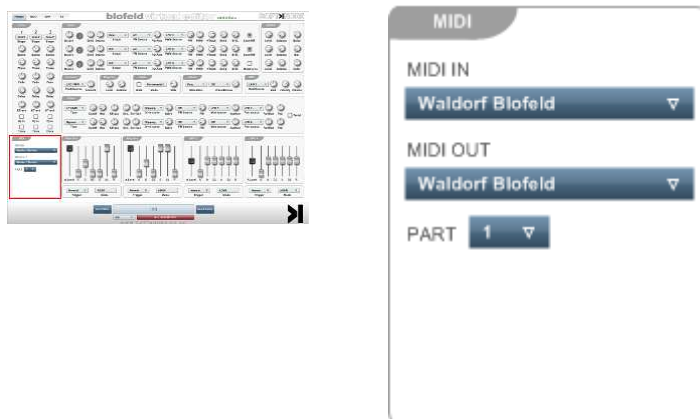
Installing the plugin is as simple as copying the BlofeldVirtualEditor0.8.0b.dll in your VstPlugins directory (be sure that the folder is the one defined inside your host. See your host's documentation for further information).

Be sure to remove any previous version of this virtual editor before installing a new one.

SETUP

SETTING UP THE SOFTWARE

To start using the Blofeld Virtual Editor you will need to define which Midi input/output is used by your Waldorf Blofeld synthesizer.



When using the midi of Waldorf Blofeld over the USB cable, select the device in the MIDI IN and MIDI OUT lists. By default the Blofeld is recognized as something like « Generic USB Device » or “Waldorf Blofeld” depending on the driver used.

When using a midi cable with the Midi in port of the Waldorf Blofeld only the MIDI OUT needs to be specified in the Blofeld Virtual Editor. In this case the MIDI IN should be set to « None ».

Please note that when using the midi cable only, you won't be able to transmit any data from the Waldorf Blofeld. This means that functions like « Get Patch » or knob

synchronization will not work.

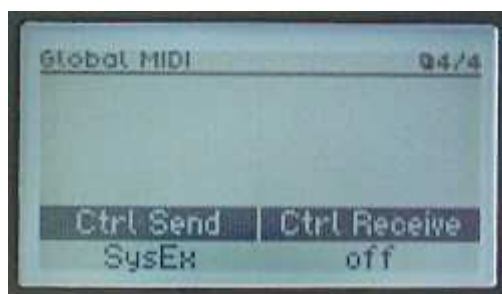
Once the configuration is done, simply route all the MIDI messages to the plugin.



The plugin requires an exclusive access to the MIDI input and MIDI output of the synthesizer. Be sure to disable them in your host's configuration, otherwise you will get a « Device in use » error message.

SETTING UP THE WALDORF BLOFELD

The Blofeld Virtual Editor only sends and receives SysEx messages. In order for the plugin to function correctly, the Global parameter « Ctrl Send » has to be set to « SysEx ». If not, the Blofeld Virtual Editor will not react correctly to all of the parameters you edit on the Blofeld synthesizer. Below is a picture of the « Global » page showing the right parameter to use.



Refer to the Waldorf Blofeld documentation for further information on how to change global parameters.



Please note that only Device ID 0 (00h) is handled at this time. It is not possible to control a Blofeld with a different Device ID.

USING BLOFELD VIRTUAL EDITOR

QUICK START

Once set up, the Blofeld Virtual Editor is rather self explanatory.

Typical work flow is to select a patch on your Waldorf Blofeld, click the « Get Patch » button and start tweaking!



Note that when the plugin is loaded, the « Init » patch is automatically sent to the synthesizer's edit buffer and thus overwrites any unsaved modification for the currently selected patch.

ADJUSTING CONTROLS

The Blofeld Virtual Editor uses a common set of controls consisting of knobs, vertical

sliders, drop down selection menus, check boxes and buttons.

KNOBS AND SLIDERS

Knobs and sliders operation is very similar. To adjust a value, simply left click and hold on the desired control and move the mouse up or down to increase / decrease the value.

To reset a parameter to its default value, click on it while holding the “Ctrl” key down. Note that the default value is always the same, based on the Waldorf Blofeld documentation.

DROP DOWN MENUS

These are also simple to operate. Clicking anywhere on the control will pop up a window with available options. The current value is always displayed on the control and has a check next to it when the drop down menu is open. To cancel the selection when the drop down menu is open, click anywhere outside of it to cancel (you can even click on any another control, its value will not change).

USAGE

Additionally to the real time control of the Waldorf Blofeld parameters, some buttons let you perform special actions:

PANEL TABS



These tabs are used to select the currently displayed panel. The front panel, is displayed by default. Though, other parameters can be edited such as modulations routes and modifiers « MOD », arpeggiator « ARP » and « FX ». Clicking on any of these tabs will show the according panel.

GET PATCH



« Get patch » button synchronizes the Blofeld Virtual Editor with the current patch of the Waldorf Blofeld. This function is very useful when you want to edit a patch in the Blofeld Virtual Editor based on the currently selected patch of the Waldorf Blofeld. In a way this function asks for a patch dump and adjusts the Blofeld Virtual Editor accordingly. This means that the Blofeld Virtual Editor will also synchronize when receiving a patch dump manually performed on the Waldorf Blofeld.

This function is part specific when used in Blofeld's « Multi mode ».

SEND PATCH



The « Send patch » button sends the current state of the plugin to the synthesizer.

This function is automatically invoked every time the plugin is loaded so that an « Init » patch is loaded (new instance) or saved patch (after loading a project using this plugin)

This function is part specific when used in Blofeld's « Multi mode ».

ALL SOUND OFF



« All sound off » can be clicked at anytime to tell the Waldorf Blofeld to stop playing. Useful when some notes are stuck.

SHOW VALUES

The “Show values” button allows to temporarily show the current value of a control instead of its label. Holding the button will show the values and releasing it will show the control labels.

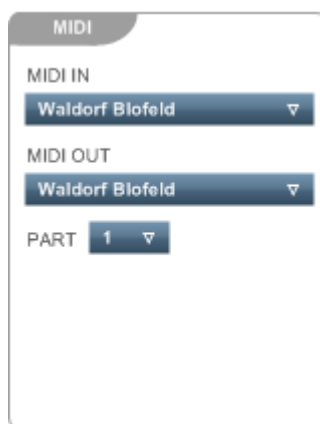
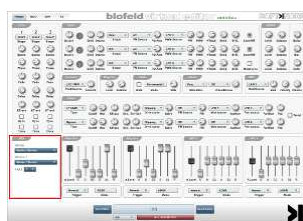
PART CONFIGURATION

Since version 0.8.0, it is possible to control several parts using Blofeld's « Muti mode ».

The support is basic and is « one patch, one midi channel » oriented.

The control is limited to patch properties, none of the « Multi » specific parameters can be controlled at this time. This is true for the « Mixer », « Receive », « Tuning », « Velocity Range » and « Key Range » parameters which are not supported.

It is done by loading several instances of the plugin and selecting different part numbers for each one. The part number can be changed in the « Midi » section as shown below:



Thus, each instance will control a different part of the « Multi » and all parameters will be controlled by part. This is also true for the « Get patch » and « Send patch » button that will send and retrieve patches per part.

BI-DIRECTIONAL EDITING

When using the USB cable and set up accordingly, the editing is bi-directional. That

means that if you edit directly the Waldorf Blofeld, you will see the according edited value change inside the Blofeld Virtual Editor and the other way round.

SAVE AND RESTORE

When saving a project in your host that includes the Blofeld Virtual Editor, all knob positions are saved as well. These values are sent to the Waldorf Blofeld when you load the project again.

These values are sent once when the project is loaded and can be sent at anytime with the « Send patch » button.

Please note that when using various instances of the plugin for different parts, you need to manually switch to « Multi » mode in order for all parts to be loaded correctly.

SUPPORT AND UPDATES

Should anything go wrong with the software, visit Softknobs' homepage <http://www.softknobs.com> to find assistance or e-mail info@softknobs.com.

Softknobs' website is where you can get the latest version of the software and updates as they are released.

LICENSE

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. TO THE EXTENT THIS LICENSE MAY BE CONSIDERED TO BE A CONTRACT, THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

1. Definitions

- a. "Adaptation" means a work based upon the Work, or upon the Work and other pre-existing works, such as a translation, adaptation, derivative work, arrangement of music or other alterations of a literary or artistic work, or phonogram or performance and includes cinematographic adaptations or any other form in which the Work may be recast, transformed, or adapted including in any form recognizably derived from the original, except that a work that constitutes a Collection will not be considered an Adaptation for the purpose of this License. For the avoidance of doubt, where the Work is a musical work, performance or phonogram, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered an Adaptation for the purpose of this License.
- b. "Collection" means a collection of literary or artistic works, such as encyclopedias and anthologies, or performances, phonograms or broadcasts, or other works or subject matter other than works listed in Section 1(f) below, which, by reason of the selection and arrangement of their contents, constitute intellectual creations, in which the Work is included in its entirety in unmodified form along with one or more other contributions, each constituting separate and independent works in themselves, which together are assembled into a collective whole. A work that constitutes a Collection will not be considered an Adaptation (as defined above) for the purposes of this License.

- c. **"Distribute"** means to make available to the public the original and copies of the Work through sale or other transfer of ownership.
- d. **"Licensor"** means the individual, individuals, entity or entities that offer(s) the Work under the terms of this License.
- e. **"Original Author"** means, in the case of a literary or artistic work, the individual, individuals, entity or entities who created the Work or if no individual or entity can be identified, the publisher; and in addition (i) in the case of a performance the actors, singers, musicians, dancers, and other persons who act, sing, deliver, declaim, play in, interpret or otherwise perform literary or artistic works or expressions of folklore; (ii) in the case of a phonogram the producer being the person or legal entity who first fixes the sounds of a performance or other sounds; and, (iii) in the case of broadcasts, the organization that transmits the broadcast.
- f. **"Work"** means the literary and/or artistic work offered under the terms of this License including without limitation any production in the literary, scientific and artistic domain, whatever may be the mode or form of its expression including digital form, such as a book, pamphlet and other writing; a lecture, address, sermon or other work of the same nature; a dramatic or dramatico-musical work; a choreographic work or entertainment in dumb show; a musical composition with or without words; a cinematographic work to which are assimilated works expressed by a process analogous to cinematography; a work of drawing, painting, architecture, sculpture, engraving or lithography; a photographic work to which are assimilated works expressed by a process analogous to photography; a work of applied art; an illustration, map, plan, sketch or three-dimensional work relative to geography, topography, architecture or science; a performance; a broadcast; a phonogram; a compilation of data to the extent it is protected as a copyrightable work; or a work performed by a variety or circus performer to the extent it is not otherwise considered a literary or artistic work.
- g. **"You"** means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.
- h. **"Publicly Perform"** means to perform public recitations of the Work and to communicate to the public those public recitations, by any means or process, including by wire or wireless means or public digital performances; to make available to the public Works in such a way that members of the public may access these Works from a place and at a place individually chosen by them; to perform the Work to the public by any means or process and the communication to the public of the performances of the Work, including by public digital performance; to broadcast and rebroadcast the Work by any means including signs, sounds or images.
- i. **"Reproduce"** means to make copies of the Work by any means including without limitation by sound or visual recordings and the right of fixation and reproducing fixations of the Work, including storage of a protected performance or phonogram in digital form or other electronic medium.

2. Fair Dealing Rights. Nothing in this License is intended to reduce, limit, or restrict any uses free from copyright or rights arising from limitations or exceptions that are provided for in connection with the copyright protection under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

- a. to Reproduce the Work, to incorporate the Work into one or more Collections, and to Reproduce the Work as incorporated in the Collections; and,
- b. to Distribute and Publicly Perform the Work including as incorporated in Collections.

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats, but otherwise you have no rights to make Adaptations. Subject to 8(f), all rights not expressly granted by Licensor are hereby reserved, including but not limited to the rights set forth in Section 4(d).

4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

- a. You may Distribute or Publicly Perform the Work only under the terms of this License. You must include a copy of, or the Uniform Resource Identifier (URI) for, this License with every copy of the Work You

Distribute or Publicly Perform. You may not offer or impose any terms on the Work that restrict the terms of this License or the ability of the recipient of the Work to exercise the rights granted to that recipient under the terms of the License. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties with every copy of the Work You Distribute or Publicly Perform. When You Distribute or Publicly Perform the Work, You may not impose any effective technological measures on the Work that restrict the ability of a recipient of the Work from You to exercise the rights granted to that recipient under the terms of the License. This Section 4(a) applies to the Work as incorporated in a Collection, but this does not require the Collection apart from the Work itself to be made subject to the terms of this License. If You create a Collection, upon notice from any Licensor You must, to the extent practicable, remove from the Collection any credit as required by Section 4(c), as requested.

- b. You may not exercise any of the rights granted to You in Section 3 above in any manner that is primarily intended for or directed toward commercial advantage or private monetary compensation. The exchange of the Work for other copyrighted works by means of digital file-sharing or otherwise shall not be considered to be intended for or directed toward commercial advantage or private monetary compensation, provided there is no payment of any monetary compensation in connection with the exchange of copyrighted works.
- c. If You Distribute, or Publicly Perform the Work or Collections, You must, unless a request has been made pursuant to Section 4(a), keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or if the Original Author and/or Licensor designate another party or parties (e.g., a sponsor institute, publishing entity, journal) for attribution ("Attribution Parties") in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; (ii) the title of the Work if supplied; (iii) to the extent reasonably practicable, the URI, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work. The credit required by this Section 4(c) may be implemented in any reasonable manner; provided, however, that in the case of a Collection, at a minimum such credit will appear, if a credit for all contributing authors of Collection appears, then as part of these credits and in a manner at least as prominent as the credits for the other contributing authors. For the avoidance of doubt, You may only use the credit required by this Section for the purpose of attribution in the manner set out above and, by exercising Your rights under this License, You may not implicitly or explicitly assert or imply any connection with, sponsorship or endorsement by the Original Author, Licensor and/or Attribution Parties, as appropriate, of You or Your use of the Work, without the separate, express prior written permission of the Original Author, Licensor and/or Attribution Parties.
- d. For the avoidance of doubt:
 - i. **Non-waivable Compulsory License Schemes.** In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme cannot be waived, the Licensor reserves the exclusive right to collect such royalties for any exercise by You of the rights granted under this License;
 - ii. **Waivable Compulsory License Schemes.** In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme can be waived, the Licensor reserves the exclusive right to collect such royalties for any exercise by You of the rights granted under this License if Your exercise of such rights is for a purpose or use which is otherwise than noncommercial as permitted under Section 4(b) and otherwise waives the right to collect royalties through any statutory or compulsory licensing scheme; and,
 - iii. **Voluntary License Schemes.** The Licensor reserves the right to collect royalties, whether individually or, in the event that the Licensor is a member of a collecting society that administers voluntary licensing schemes, via that society, from any exercise by You of the rights granted under this License that is for a purpose or use which is otherwise than noncommercial as permitted under Section 4(b).
- e. Except as otherwise agreed in writing by the Licensor or as may be otherwise permitted by applicable law, if You Reproduce, Distribute or Publicly Perform the Work either by itself or as part of any Collections, You must not distort, mutilate, modify or take other derogatory action in relation to the Work which would be prejudicial to the Original Author's honor or reputation.

5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE MUTUALLY AGREED BY THE PARTIES IN WRITING, LICENSOR

OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. Termination

- a. This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Collections from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.
- b. Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

8. Miscellaneous

- a. Each time You Distribute or Publicly Perform the Work or a Collection, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.
- b. If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.
- c. No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.
- d. This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.
- e. The rights granted under, and the subject matter referenced, in this License were drafted utilizing the terminology of the Berne Convention for the Protection of Literary and Artistic Works (as amended on September 28, 1979), the Rome Convention of 1961, the WIPO Copyright Treaty of 1996, the WIPO Performances and Phonograms Treaty of 1996 and the Universal Copyright Convention (as revised on July 24, 1971). These rights and subject matter take effect in the relevant jurisdiction in which the License terms are sought to be enforced according to the corresponding provisions of the implementation of those treaty provisions in the applicable national law. If the standard suite of rights granted under applicable copyright law includes additional rights not granted under this License, such additional rights are deemed to be included in the License; this License is not intended to restrict the license of any rights under applicable law.

DISCLAIMER

ALL SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.