

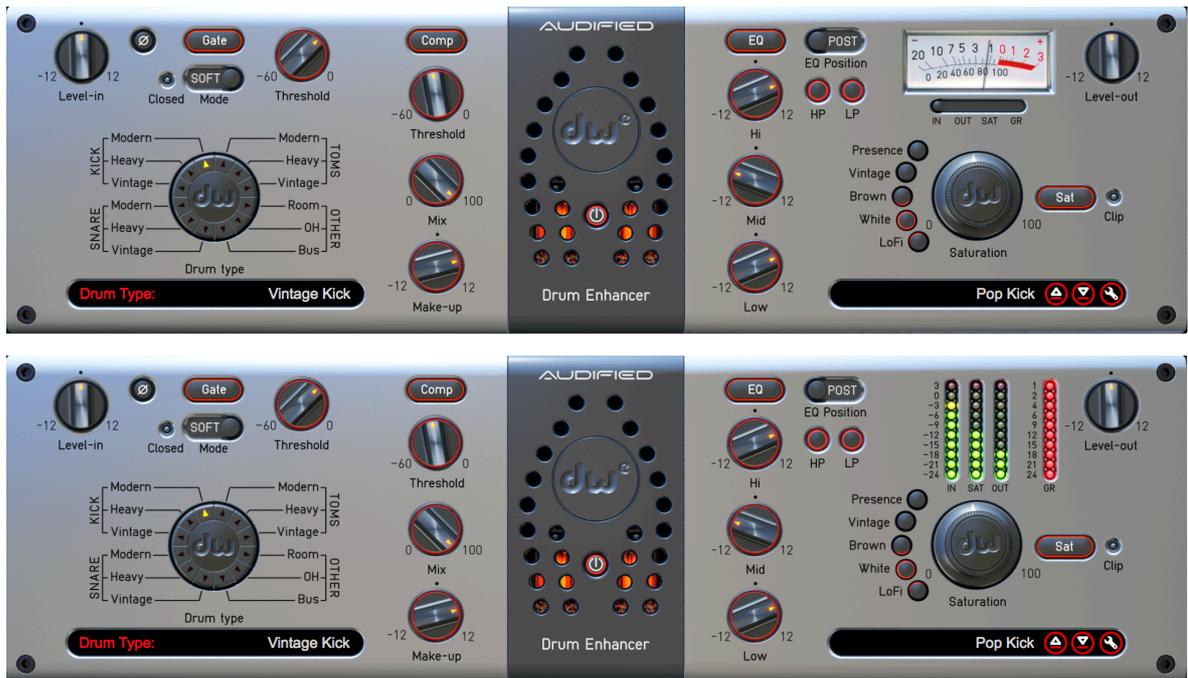
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AUDIFIED

DW Drum Enhancer

User Manual

Version 1.0



<http://audified.com/dw-drum-enhancer>



<http://services.audified.com/download/dwde>



<http://services.audified.com/support>

Table of contents

Introduction	2
What's included	2
How it works	2
Characteristics of valuable analog devices	2
Software Installation	3
iLok Protection	3
Software Uninstallation	3
Opening the plug-in	3
Working with DW Drum Enhancer	4
Control overview	4
Preset management	5
Services menu	5
Calibration	5
Recommended workflow	6
Basic	6
Advanced	6
Detailed controls description	7
The main drum selector	7
Noise gate, compressor and EQ controls	8
Saturation	9
Technical specification	10
Specification	10
Requirements	10
Conclusion	10

Introduction

Thank you for purchasing AUDIFIED DW Drum Enhancer.

This product is the result of cooperation between DW - Drum Workshop, the manufacturer of top-class drums, and AUDIFIED, the company developing SW and HW audio effects.

What's included

The DW Drum Enhancer contains these modules:

- ▶ **Noise gate** with selectable hard knee or soft knee
- ▶ **Compressor** with characteristics of two popular transistor compressors and one pure digital compressor.
- ▶ Three band, fully parametric **Equalizer** with additional HP and LP filters.
- ▶ A **valve saturation** circuit with 5 types of saturation characteristics

How it works

The main value of the DW Drum Enhancer is in carefully tuned combinations of parameters, provided by the DW experts. This allows you to significantly speed up your work and get perfect results in a few seconds.

The selected drum type determines the basic flavor of the resulting sound. And there is still the possibility of fine tuning the sound by utilizing the noise gate, compressor, EQ and saturation controls.

Additionally to prepared combinations of parameters selectable by the drum type selector, the plug-in offers a full-featured preset management. You may save your corrections to the prepared sounds to presets inside the DW Enhancer or utilizing the DAW project storage.

Characteristics of valuable analog devices

- ▶ The compressor includes a model of the classic solid state compressor circuits.
- ▶ The saturation part includes a model of real valve circuits.

Software Installation

Download the recent version of the plug-in:



<http://services.audified.com/download/>

- ▶ **Windows:** The downloaded file is packed, unzip it. Run the installer and follow the on-screen instructions. You can select the destination path and the installed plug-in format during the process.
- ▶ **Mac:** Mount the downloaded disk image and run the installer. You can select the installed plug-in format by clicking the Customize button. Plug-ins are installed in the standard locations and the control app appears in the Applications folder.

iLok Protection

- ▶ This plug-in is protected by iLok (a software machine license or a USB dongle).
- ▶ It requires iLok License Manager 3.1.7 or newer.
- ▶ Please make sure you have activated a valid license in your iLok account.
- ▶ **Please refer to this guide:** <https://shop.audified.com/pages/how-to-activate-ilok-license>

Software Uninstallation

- ▶ **Windows:** Navigate to the DW Drum Enhancer program folder in the Start menu and run the uninstaller.
- ▶ **Mac:** Open the provided disk image and run the uninstaller.

Opening the plug-in

The AUDIFIED DW Drum Enhancer model works in all main digital audio workstations (recording applications) as a plug-in.

To open the plug-in, locate the plug-in selection (usually a hierarchic menu). The DW Drum Enhancer is listed in the Other group or in the AUDIFIED group when the manufacturer sorting is offered.

Working with DW Drum Enhancer

Control overview

Noise gate controls:

- On-off
- Soft or hard knee
- Threshold level

Input level adjustment

Invert Phase

Compressor section offers the standard compression controls

EQ controls:

- On-off
- Gain for High/Mid/Low frequencies
- HP and LP filter
- Pre-post of compressor

Meters displaying levels of:

- The input signal
- The output signal
- The signal on input to the saturation circuit
- Gain reduction

Output level adjustment

Drum type selector:
Selecting the type of the drum adjusts most of the internal parameters.

Parameter display
Displays the edited parameter name and value

Main ON-OFF switch.
In the OFF state the plug-in bypasses signal.

Saturation control:

- Sat. On-Off
- Type
- Amount

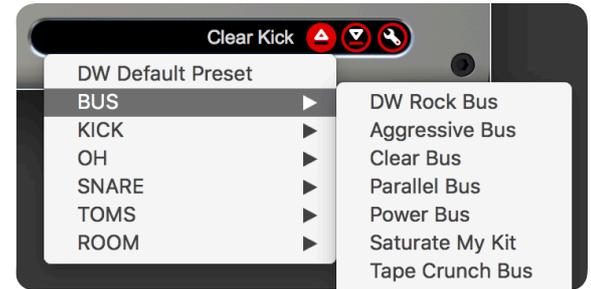
Preset management section

Calibration adjustment (when selected in the Services menu)

Preset management

Presets can be loaded and saved in the right display.

- ▶ The left round button offers a selection from a preset list, structured in several submenus.
- ▶ The mid round button opens a menu allowing to save or delete user presets.

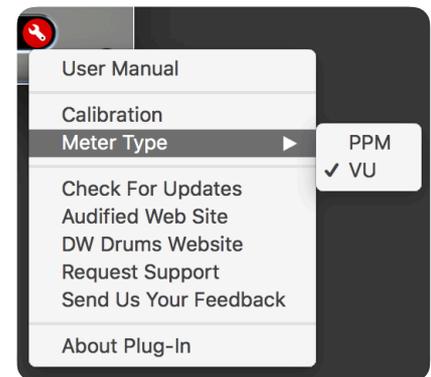


Services menu

The preset display contains a Services button (wrench symbol), opening the Services menu.

Services menu allows to access

- ▶ Help - this User manual
- ▶ [Calibration](#)
- ▶ Meter type - PPM or VU
- ▶ Product updates
- ▶ [DW Drums](#) and [Audified](#) web sites
- ▶ Support area on the Audified web
- ▶ Feedback form on the Audified web
- ▶ Product version and other info



Calibration

Calibration value adjusts the relation between the digital zero (maximum signal value in digital systems) and the analog zero (the value which is displayed in signal meters, affecting the non-linear characteristics of the effect)



SAVE AS DEFAULT
Saves the calibration value for all DW Enhancer instances.

OK
Saves the calibration value just for this plug-in instance.

Recommended workflow

Basic

1. Set the default calibration of the plug-in according to your preferences and working headroom so the meter shows the signal being around 0dBVU
2. Choose one of the factory presets
3. Done

Advanced

1. Set the default calibration of the plug-in according to your preferences and working headroom so the meter shows the signal being around 0dBVU
2. Choose the drum type according the drum track you are processing and according desired flavour
3. If needed, switch the phase polarity
4. Adjust the gate threshold and gate operation mode
5. Adjust Compressor parameters
6. Adjust EQ parameters
7. Adjust Compressor Make Up parameter to set desired amount of the signal going into saturation
8. Choose saturation flavour
9. Done

Detailed controls description

The main drum selector

The selector has 12 positions.

- ▶ There are three types of drums, each with three variations.
- ▶ One position serves for overheads (OH)
- ▶ One position serves for the whole set, usually in a mixing console group (Bus)
- ▶ One position is intended for the whole drum sets recorded by two microphones (Room)



Click either the appropriate segment of the wheel or the describing label to select the desired drum type.

Each selection sets automatically, according to the selected drum:

- ▶ EQ type,
- ▶ EQ slope (Q),
- ▶ EQ frequency,
- ▶ Compressor type,
- ▶ Compressor attack and release,
- ▶ Compressor knee shape,
- ▶ Noise gate attack and release,
- ▶ Frequencies of HPF and LPF,
- ▶ Compressor side-chain filter.

It allows very quick and comfortable work. However, if you still need to fine tune the sound, the other parameters are still accessible in the DW Enhancer interface.

Noise gate, compressor and EQ controls

The oval buttons on top of these modules turn the modules on and off.

The control of these modules is quite standard. The exact values of parameters are visible in the left display.

Noise Gate removes unwanted audio material below a certain threshold. It turns the signal off when only hum or noise are present.

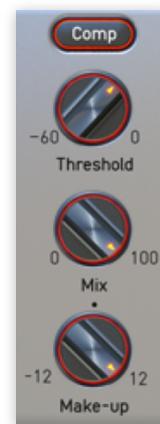


Important: Improperly adjusted threshold may mute audio even if music signal is present.

Compressor limits the dynamic range of the incoming signal. Once the volume of the incoming signal exceeds the setting of the **Threshold** control, the compression is applied.

The **Mix** knob adjusts the parallel mixing level between the compressed and uncompressed signals.

The **Make-up** knob allows to compensate the average volume.



The Make-up parameter controls both compressed and uncompressed part of the signal. It allows the adjustment of the total amount of signal going to the EQ and more importantly, to the saturation circuit.

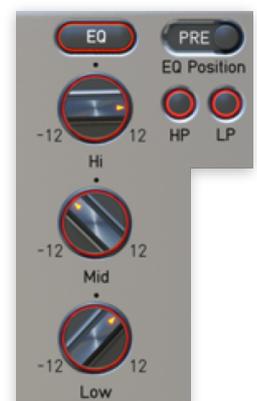


The time parameters of Gate and Compressor are automatically adjusted according to the selection of the drum type.

Equalizer adjusts the low, mid and high frequencies amounts.

The **EQ position** switch changes the position of the EQ, either before compressor or after compressor.

The **HP and LP buttons** switch High Pass and/or Low Pass filters on and off.



The frequencies and the slopes of the filters (Q parameters) are automatically adjusted according to the selection of the drum type.

Saturation

DW Drum Enhancer has an advanced model of real valve saturation circuit.

The **Saturation** control offers 3 control elements:

- ▶ The oval Sat button turns the whole saturation on or off
- ▶ The big saturation knob adjusts the amount of saturation. The higher saturation levels add harmonics to the incoming signal.
- ▶ The buttons on the left change the tube circuit, affecting the tube working point and frequency response. The following modes are available:
 - ▶ Presence – the higher amount of mid-high frequencies allows better cutting through the mix.
 - ▶ Vintage – has smoother highs and more even harmonics.
 - ▶ Brown – has almost flat response with only light high frequencies roll off and nice higher harmonics punch.
 - ▶ White – has higher amount of higher frequencies and the ratio between the even and odd harmonics is balanced.
 - ▶ LoFi – contains less low and high frequencies.



Technical specification

Specification

- ▶ AAX, AU, VST3, VST2
- ▶ MacOS, Windows plug-ins

Requirements

- ▶ MacOS 10.9 and newer
- ▶ Windows 7 and newer
- ▶ iLok License Manager version 3.1.7 or newer
- ▶ 200 MB of disk space required

Conclusion

We believe that you can work with DW Drum Enhancer now. However, if there would be something unclear or if you would need an assistance, feel free to contact us at



<http://services.audified.com/support>

Thanks for using DW and AUDIFIED products.