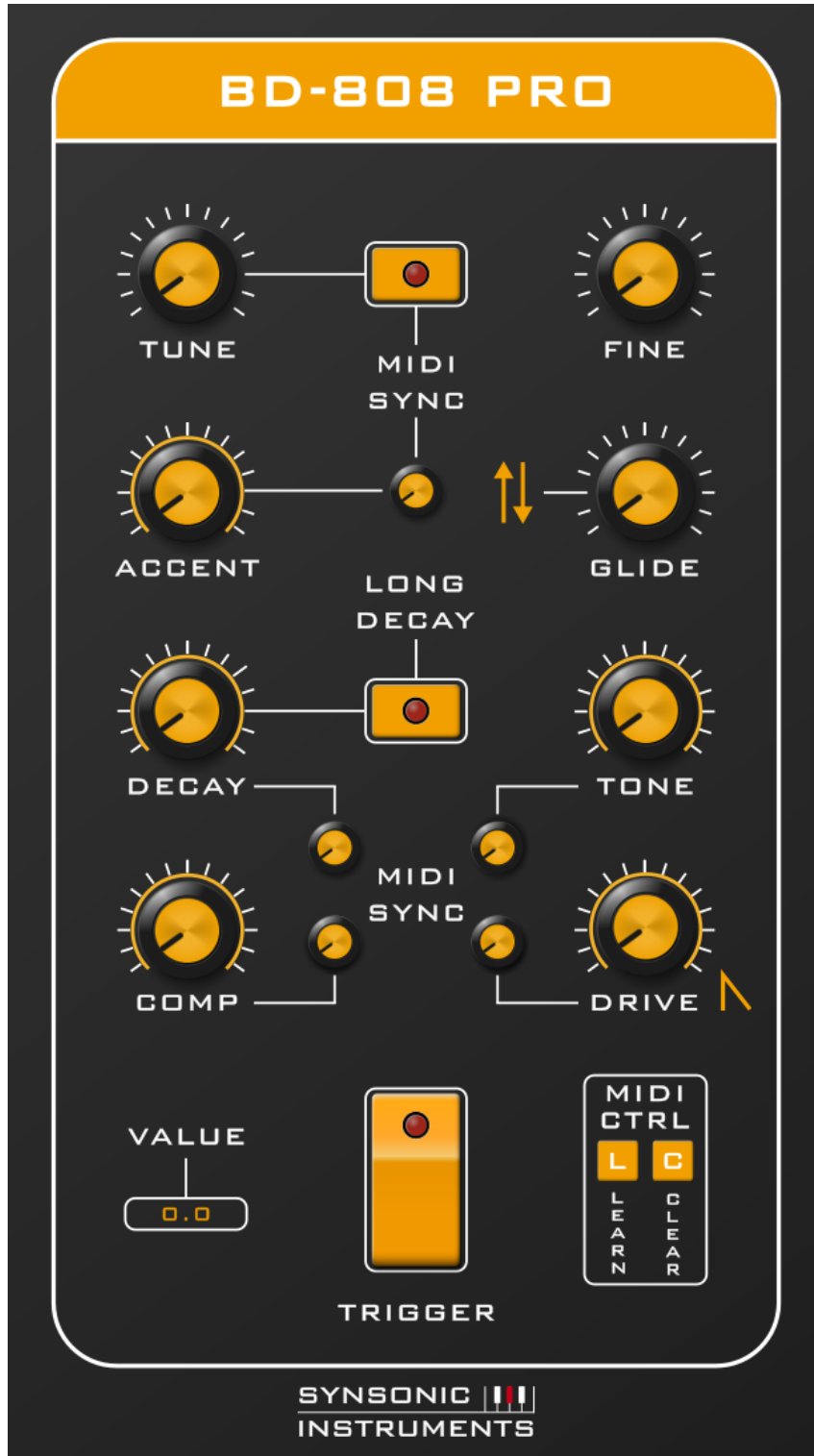


BD-808-PRO
Synsonic Instruments



PRO Features:

- Compression: The envelope can be compressed, resulting in a louder sound. A compression value of zero corresponds to the original 808 sound.
- Drive: Distortion enhances the 808 sound to achieve a dirty bass drum sound. A drive value of zero corresponds to the original 808 sound. By activating the drive envelope the distortion is only present during the attack phase of the overall sound. This behaviour may sound more natural, as a real drum also has more distortion at the initial hit.
- Glide: By turning up the glidetime, the pitch smoothly varies when different notes are played. Three different glidemodes (Up, Down, Up/Down) allow for different gliding behaviour.
- To allow more dynamic playing, one can influence the amount of Accent, Decay, Compression, Drive and Tone dependend on the MIDI velocity. E.g. a strong hit on the keyboard can set the drive higher than if the key is hit weaker. Turning the MIDI-SYNC knob of a parameter to the right leads to a positive relation between MIDI velocity and the parameter (indicated by a yellow ring outside the knob). Turning the MIDI-SYNC knob of a parameter to the left leads to a negative relation between MIDI velocity and the parameter (indicated by a red ring outside the knob).

Description:

The Synsonic-Instruments BD-808-PRO plugin is a model of the original bass drum circuit of the famous Roland TR-808 with an extended set of parameters. A very detailed analysis of the electrical circuit behaviour and the special effects of the analog parts results in an authentic sounding virtual analog bass drum plugin. Especially for genres like Techno and Hip-Hop this kind of bass drum sound can be interesting. We hope you will have

fun with it! The BD-808 is tested on Cubase, Logic and Ableton Live on Windows and macOSX. Supported sample rates are: 44.1 kHz, 48 kHz and 96 kHz.

Demo Version:

The Demo version plays a noise in a fixed interval and has a DEMO label attached to the GUI.

Adjustable Parameters:

Tune[-12,+12]: Controls the pitch of the BD-808 in halftones. Lowering the pitch generates subbass-frequencies and increasing the pitch generates tom-like sounds.

MIDI-Sync-Tune: By enabling this switch, the pitch of the BD-808 will depend on the note value of the incoming MIDI messages. Thereby you can play the BD-808 as a bass-synth.

Fine[-100,+100]: Controls the pitch of the BD-808 in cents. You can use this parameter for matching the base frequency.

Accent[0,1]: This parameter controls how hard the BD-808 is triggered.

Decay[0,1]: Controls how slow the bass drum sound decays. For the maximum setting you will get boomy sounds, whereas for the minimum setting you will get a click-like sound.

Long-Decay: By enabling this switch, the decay range is extended, so you will get extra long bass drum sounds.

Tone[0,1]: With this control you can set the output filter of the BD-808. For lower settings the sound will be rather dull. For higher settings the sound will become more clicky.

Comp[0,1]: The Comp parameter extends the envelope and makes the sound louder.

Drive[0,1]: Drive distorts the 808 sound by applying a smooth nonlinear curve to the signal.

DriveEnvelope[On/Off]: By activating the drive envelope the distortion is only present during the attack phase of the overall sound. This behaviour may sound more natural, as a real drum also has more distortion at the initial hit.

Glide[0,1s]: The glidetime can be adjusted from 0 to 1 seconds. With a glidetime of zero the pitch of a note is immediately reached. With a long glidetime the pitch slowly moves towards the pitch of the currently played note.

Glidemode: By clicking on the arrows left to the glide knob you can select one of three modes:

Up: The glidetime is only applied if the current pitch is higher than the pitch of the previous played note.

Down: The glidetime is only applied if the current pitch is lower than the pitch of the previous played note.

Up/Down: The glidetime is applied if the current pitch is lower or higher than the pitch of the previous played note.

Trigger-Pad: By clicking the triggerpad you can trigger the BD-808 manually.

Trigger-LED: The trigger led indicates when the BD-808 is triggered, either manually or by a MIDI event.

Value Display: displays the value of current settings.

MIDI-SYNC Knobs: To allow more dynamic playing, one can influence the amount of Accent, Decay, Compression, Drive and Tone dependend on the MIDI velocity. E.g. a strong hit on the keyboard can set the drive higher than if the key is hit weaker. Turning the MIDI-SYNC knob of a parameter to the right leads to a positive relation between MIDI velocity and the parameter (indicated by a yellow ring outside the knob). Turning the MIDI-SYNC knob of a parameter to the left leads to a negative

relation between MIDI velocity and the parameter (indicated by a red ring outside the knob).

MIDI-CTRL-LEARN: If you would like to control a parameter of the BD-808 with an external MIDI controller, activate the MIDI-LEARN Switch. Then twiddle the control of the BD-808 you want to control. Afterwards twiddle the knob of your MIDI-Controller. Then deactivate the MIDI-LEARN function.

MIDI-CTRL-CLEAR: To remove a controller assignment activate the MIDI-CLEAR switch and twiddle the BD-808 parameter for which you want to delete the assignment.

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