

About the Synsonic BD-909:

The Synsonic-Instruments BD-909 plugin is a model of the original bass drum circuit of the famous Roland TR-909. We have added some more soundshaping possibilities and a Preset Menu.

The BD-909 is tested on Cubase, Logic and Ableton Live on Windows and macOSX. Supported sample rates are: 44.1 kHz, 48 kHz and 96 kHz.

**Adjustable Parameters:**

**Pitch[-12,+12]:** Controls the pitch of the BD-909 in halftones. Lowering the pitch generates subbass-frequencies and increasing the pitch generates tom-like sounds.

**Tune Decay[0,1]:** Sets the decay of the pitch envelope.

**Tune Depth[0,1]:** Sets amount of the pitch envelope.

**Accent[0,1]:** This parameter controls how hard the BD-909 is triggered. It can be used to get a dynamic playable bass drum.

**Attack[0,1]:** Sets the amplitude of the attack click and noise sound.

**Noise Decay[0,1]:** Sets the decay of the noise sound.

**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.

**Hold[0,1]:** Determines how long the Bass Drum amplitude is hold at a constant level. A long hold time results in a sustained sound.

**Distort[0,1]:** Controls the amount of distortion, due to the diode clipper.

**Pitch KYB:** By enabling this switch, the pitch of the BD-909 will depend on the note value of the incoming MIDI messages. Thereby you can play the BD-909 as a bass-synth.

**Accent KYB:** By enabling this switch, the accent of the BD-909 will depend on the velocity value of the incoming MIDI messages. Thereby you can play the BD-909 dynamically.

**Trigger-Pad:** By clicking the triggerpad you can trigger the BD-909 manually.

**Trigger-LED:** The trigger led indicates when the BD-909 is triggered, either manually or by a MIDI event.

**Value Display:** displays the value of current settings.

**MIDI-CTRL-LEARN:** If you would like to control a parameter of the BD-909 with an external MIDI controller, activate the MIDI-LEARN Switch. Then twiddle the control of the BD-909 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-909 parameter for which you want to delete the assignment.

### **Preset Menu:**

Click on the Preset Menu Field to get access to the presets.  
There are two folders:

In 'Factory Presets' you find the presets included in the plugin.

In the folder 'User Presets' you can save your own presets.

Click on 'Save preset...' in the preset menu to save a preset.

With the left and right arrow you can click through the different presets in a folder.

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