



## ZOURMAN DRUMS SAMPLES

# LUDWIG BLACK BEAUTY 1922 SNARE FOR 2BOX™ DRUMIT FIVE MODULE

We'd first like to take a moment and thank you for purchasing a Zourman Product!

The 2box module has become popular among e-drummers, mostly for its real samples and open-source approach. At Zourman Drums, the focus has been to create products which enhance the 2Box module. Our first product enabled 2box owners to use existing non-2box hi-hats and the following product allowed non-2box three-zone rides to work with the 2box module - particularly from the popular Roland range. Our conversion modules combine the best of both worlds: the Roland hi-hats and three- zone rides together with the 2box module.

To extend the Zourman Drums offerings, we are now turning our attention to a custom sound library of samples for 2box. With the 2box open sound source approach for sampled sounds, we were able to create a sample package based on a great snare and release it in 2box file format - DSND!

Our samples are the result of a joint venture project with Jouni Niemi, owner of [Big Jambo Studios](#), who has been a part of the 2box family since 2009 when he designed many of the factory sounds found in the DrumIt Five module.

Together, we aimed to create the best snare samples in the world!

The snare sample is now released as the first Zourman drum sampling product and new customers can buy it as a download at the [www.zourman.com](http://www.zourman.com) site.

## Historical Background: Ludwig Black Beauty Snare 1922.

Jouni bought the 14x6.5" snare from the legendary drumshop Pro DrumShop at Vine Street in Hollywood in 2009 for a fortune. According to Pro DrumShop, the snare had been left by the owner to be sold on consignment. The owner who left it was the legendary Drum Doctor, Ross Garfield. Ross is a well-known drum technician and supplier of drum equipment for some of the best-known bands in the world. We can only speculate where this rare snare was been used when Ross owned it and during the time since 1922. What we do know is that this snare showed up in Sweden and at Big Jambo Studios! This par-ticular snare was used by the VST producer Toontrack on the Vintage SDX pack.



## About the snare sample

This 14x6.5" Ludwig Black Beauty snare from 1922 is well known to all drummers as the de-facto standard among drummers in the world. The drum is constructed from a single sheet of brass that is machined into a seamless beaded shell. Jouni describes this solid metal shell snare drum as "providing a warm, round metallic tone..."

This DrumIt Five sample pack includes a couple of different 'flavours' of the snare. All sample files are packed in zip format. You will need to unzip them before you load the DSNd files into the DrumIt Five module.

## Installation

The DrumIt Five module can be connected to a computer (PC or Mac) via USB and then acts like a con-ventional external mass storage device. In order to simplify the handling of the files, note that the folders of the DrumIt Five can contain both sound files and KIT files. You can change the folder structure according to your own needs and preferences, and give the file storage system your personal structure. However, because of the size of the DrumIt Five module's display and for reasons of clarity, it is recommended not to use long folder names and not to create too many levels.

Instrument	Filename	No. of Layers	Size (MB)
Ludwig Black Beauty 1922 Semi Dry with Rimshot	ZD_BB_Sem_Dry_RS.dsnd	123+64	54.2
Ludwig Black Beauty 1922 Semi Dry with Rim	ZD_BB_Sem_Dry_R.dsnd	123+37	43.4
Ludwig Black Beauty 1922 Dry with Rimshot	ZD_BB_Sup_Dry_RS.dsnd	123+64	52.4
Ludwig Black Beauty 1922 Dry with Rim	ZD_BB_Sup_Dry_R.dsnd	123+37	43.4
Ludwig Black Beauty 1922 WET with Rimshot	ZD_BB_Very_Wet_RS.dsnd	123+64	54.2
Ludwig Black Beauty 1922 WET with Rim	ZD_BB_Very_Wet_R.dsnd	123+37	43.4
Ludwig Black Beauty 1922 SEMI DRY RETRO COLOR with Rimshot	ZD_BB_Eff_RS.dsdn	122+67	45.4
Ludwig Black Beauty 1922 SEMI DRY RETRO COLOR with Rim	ZD_BB_Eff_R.dsdn	122+40	43.8
Ludwig Black Beauty 1922 DRY RETRO COLOR with Rimshot	ZD_BB_Eff_Dry_RS.dsdn	122+67	48.0
Ludwig Black Beauty 1922 Wet RETRO COLOR with Rim	ZD_BB_Eff_Wet_R.dsdn	122+40	45.6

Copy the new ZD\_BB\_XXX\_XXX\_XX.dsnd files to the module memory or SD card.

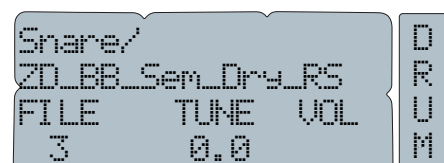
When you have connected your 2box module to USB or if an external SD card is accessible, you can copy them anywhere in the folder and file structure on the module and your 2box module will find them. A recommendation is to create a new folder

(Zourman or Ludwig, etc.) or use the 2box existing snare folder and copy the three snare sounds .dsnd files directly to your module to have the sounds already sorted by instrument and sound library.

## Choose your new snare sound on the 2box module

When selecting sounds in your 2box module, you will find your new snares in the created Zourman, Ludwig or Snare folder.

Use the pagedown button in the kit mode, hit the snare button or drum to see or change the snare sound to the Black Beauty Snare. (The volume can slightly be adjusted to fit your other drums in the kit)



## Used recording equipment

### Drums Heads & Drumsticks

- Remo Ambassador Coated heads was used as the batter head and Ambassador Clear on the bottom head.
- Sticks were Vic Firth American Classic Extreme 5B.

### The tuning of the snare

We tuned the snare to a quite high pitch to capture the drum's distinctive tone. The snare has an excellent ringing edge tone from the metal shell. It can be returned in 2box Editor to different pitches. All hits was done in centre of the snare to create a hard and "open" sound perfect for rock type of sounds.

### Microphones

#### Snare Top

- Ehrlund EHR-D, Audix 51, Telefunken m80

#### Snare Bottom

- AKG C 452 EB Cardioid SDC

#### Overhead

- Ehrlund EHR-D (stereo pair)

#### Ambience Front

- Ehrlund EHR-M (stereo pair), Royer Labs R-121

#### Ambience Rear

- DPA 4091(stereo pair)

#### Room

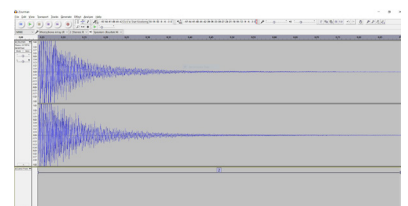
- Ehrlund EHR-D(stereo)



We also used another 16 ambient microphones placed on the surrounding DW Gold X Kit.

### Sampling & processing information:

The sampling process included play a bunch of hits from light to hard and we repeated the process five times - 122-123 hits in total on the snare head. This created a whole library with hit variations. Then we added five edge hits times five – creating 38-65 edge hits and cross-stick hits. All together, a library of about 180 hits per snare sound.



All sampling was done at 96KHz with 32 bits in Avid Pro Tools. All microphones went through real hard-ware pre-amps from Neve 1373 pre-amp & EQ & Crane Song Spider mic-preamplifier. The sounds were then bounced in five stereo channels [Snare Top, Bottom, OH, Ambience and Room] in 2box format e.g. 16 bits, 44,1Khz. All channels were then remixed using Logic Pro X. We also need to mention the fantastic Swedish Microphones from Ehrlund which take the sample sounds to a new clear and crisp level! (They have a triangle based capsule instead of a circle which really makes a difference)

The sounds were then automatically transient chopped into separate .wav files to create sound layers using Audacity software. All wave files were then compiled using the 2box DrumIt Five Editor to create the dsnd files. The 2box DrumIt Five Editor is a more advanced tool than it appears on the surface. It can handle up to 127 different layers and is automatically indexing the layers based on peak amplitude. If two layers have the same amplitude the software compensates this by rising one of them 0.1dB in amplitude.





The snare is recorded without any added extra EQ or effects. The only added EQ are found on the rear ambience channels to create some extra “oomph” in the sound. This effect was created by the plug-in Kush Clariphonic DSP Parallel Mastering EQ. Finally, to add and create some more room feeling (perfect when using the snare in PA environment for live performance), we created the snare sound with three different room characteristics. A dry, a middle DRY and when in a big room.



The original drum room at Big Jambo Studios for recording the snare was around 3x3x2m plus hall and stairs, so the actual room environment was a bit limited. To create a real “room feeling”, the plugin Altiverb 7 XL was used and a slightly modified room environment preset created from the Teldex Orchestral Re-cording Studio in Berlin Essex – this studio in Germany is normally a scoring stage for orchestras with a very deep sound. As a bonus, the XLN Audio Retro RC-20 plug-in was used on the SEMI DRY sample to create a warm, cozy feeling of vintage recording equipment. A bit compression was added on the room microphones for the Retro Color Sounds.

Room settings using Altiverb 7 XL/Logic Pro X Space Designer

- Dry: (Jounis Drum Room 3x3x2m) + Ambience, Upper & Under
- Semi DRY: Teldex Orchestral Recording Studio, Berlin
- Wet: Teldex Studio Berlin GmbH - Studios (Ambience) Scoring Stage 19 m + Space Designer 1,8s Room
- RETRO COLOR, a special edition of the SEMI DRY sample and using XLN Audio Retro Color Plug-in RC-20 to create a mix of warm tubes + some space + compression.

## Credits

Jouni Nemi / Big Jambo Studios/DRUM FORCE, Allan Leibowitz at digitalDrummer, Endre Husar, Rik van der Bruggen, Bengt at 2box, All users at the unofficial 2box forum and Ehlund Microphones

## Links

- [Big Jambo Studios / Drum Force](#)
- <http://www.2box.se>
- <http://www.2box-forum.com>

digitalDrummer  
[www.digitaldrummermag.com](http://www.digitaldrummermag.com)

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## More information

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