

**BFD**  
PREMIUM ACOUSTIC DRUM MODULE



*fxpansion*

# INSTALLATION GUIDE

Welcome and thank you for purchasing BFD Deluxe Collection! We hope you enjoy working with such an exceptionally recorded drum library. Please read through this guide carefully, as the installation process differs slightly from previous products in the BFD range.

The data on the BFD Deluxe Collection DVDs is compressed (using a zero-loss algorithm), to facilitate the delivery of the highest possible detail levels.

**BFD v1.5 (free upgrade from v1.0) is required to use BFD Deluxe Collection.**

## Windows installation

- Each DVD contains an installer specific to the contents of that DVD. Please follow these steps for **each DVD** after inserting it in your DVD drive:
  1. If the installer does not auto-run, explore the DVD contents in My Computer and double-click **BFD Deluxe Win Setup.exe** to run it.
  2. Follow the on-screen instructions and select your BFD folder when prompted. Click **Install** to proceed.
  3. Select a detail level and click **Next**. BFD Deluxe Collection can be installed with one of three detail levels, determining the maximum amount of velocity layers that are installed for each Kit-Piece on the DVD. This also dictates the amount of hard disk space required.

**Higher detail levels have a higher impact on system resources.**

- Small:** a maximum of 32 velocity layers will be installed
- Medium:** a maximum of 64 velocity layers will be installed
- Deluxe:** a maximum of 128 velocity layers will be installed

4. Enter your BFD Deluxe Collection serial / license number (located on the inside front cover of the digipak containing the DVDs) and click **Install**. You will only need to enter your serial for the first DVD you install.

## MacOSX installation

- Each DVD contains an installer specific to the contents of that DVD. Please follow these steps for **each DVD** after inserting it in your drive:
  1. Open the DVD contents and double-click **BFD Deluxe Mac Setup.pkg**.
  2. Follow the on-screen instructions until you are asked to select a destination.
  3. Select the destination drive (the drive on which your BFD folder resides) and click **Choose** to select the BFD folder. Click **Continue** when you've specified the correct folder.
  4. Click **Install** to proceed to next step.
  5. Select a detail level and click **Next**. BFD Deluxe Collection can be installed with one of three detail levels, determining the maximum amount of velocity layers that are installed for each Kit-Piece on the DVD. This also dictates the amount of hard disk space required.

### **Higher detail levels have a higher impact on system resources.**

- Small:** a maximum of 32 velocity layers will be installed
- Medium:** a maximum of 64 velocity layers will be installed
- Deluxe:** a maximum of 128 velocity layers will be installed

6. Enter your BFD Deluxe Collection serial / license number (located on the inside front cover of the digipak containing the DVDs) and click **Install**. You will only need to enter your serial for the first DVD you install.

**Installation of BFD Deluxe Collection can take several hours, as a large amount of data needs to be installed, so please be patient.**

**To register your copy of BFD Deluxe Collection, or If you experience any problems during the installation, please consult our support page:**

**[www.fxansion.com/support](http://www.fxansion.com/support)**

# THE BFD DELUXE COLLECTION RECORDINGS

## The kits

The kits recorded for BFD Deluxe Collection include several vintage Ludwigs and some of the best modern kits from a variety of manufacturers. There are also a number of extra drums and a large assortment of hihats and cymbals (mainly Zildjian). See the listing on page 8 for full details of each Kit-Piece in the collection.

**Ludwig 1970s Vistalite**

**Ludwig 1960s Mod Orange**

**Ludwig 1965 Club Date**

The Vistalite is the highly-prized clear plastic kit from the seventies, famous for being used by drummers such as John Bonham. It has two kicks (a 22" and a 24") and 6 toms (the second kick and tom set are loaded into BFD's Mixer Page 2). The Mod Orange kit is a classic premium quality 1960s Ludwig, while the Club Date was part of the lower-priced range. Club Date kits used shells which had slight imperfections, deemed unsuitable for the most expensive Ludwig lines. They also used cheaper hardware which can be slightly noisier. However, they have a unique character all of their own.

**Gretsch USA Maple Series**

**DW Black Oyster Pearl**

**Sonor Designer**

**Yamaha Pro Tour**

**BackYard Drums prototype**

The Gretsch, DW, Sonor and Yamaha are some of the best drumkits of recent times, dating from the nineties with the exception of the Sonor, which was made in 2002. Boutique custom drum manufacturer BackYard Drums has been causing quite a stir in drumming circles, and supplied their prototype demo kit for the BFD Deluxe Collection sessions. These sessions, for which the demo kit was flown to Chicago from Los Angeles, represent the first time that these exquisitely engineered drums have been recorded.

## The acoustic space

BFD Deluxe Collection was recorded at Steve Albini's Electrical Audio studio complex in Chicago. The Studio A drum room used for the recordings is much smaller than the Eldorado Studios drum room featured in BFD and BFD XFL. This gives the Deluxe Collection a tighter and more focused sound than previous BFD material, something which is especially noticeable on the Room channel.

The PZM channel in the Deluxe Collection is referred to as 'ambience' in this manual, as Altec 150 mics were used instead of PZMs. However, the Altecs still record the same type of ambience for which PZM mics are normally used. They were placed on the floor, so the ambience captured is more biased towards the drums, compared to the Room and Overhead mics which tend to be more sensitive to cymbals. It is a less focused sound than the other mic buses in BFD, useful for subtle reinforcement of size and distance.

## Mics, placement and channel processing

The microphones and preamps used in the Deluxe Collection session also differ from those used to record previous BFD content. Mic placement and processing of certain channels was conducted by Steve Albini, and all mics were routed through the preamps on Electrical Audio's custom Neotek console. The channels were set up as follows:

### **Kick In:** Shure SM98

For the Kick In channel, the mic was positioned on the beater side of the head.

### **Kick Out:** AKG D112

A Urei 1176 peak limiter was placed in the signal path. Medium attack/release settings were used, while the ratio was set to 8:1.

### **Snare Bottom:** Shure SM98

This mic's phase was flipped in relation to the Snare Top mic.

**Snare Top:** Sony C37P

An NTI EQ3 was inserted in the signal path, with 1dB of gain at 40Hz and 1dB of gain at 2.5kHz.

**Hihat:** Josephson C42

Hihats were mic'ed with more distance than on the original BFD and BFD XFL sessions. This resulted in less low-end in the recordings compared to previous BFD material.

**Toms:** Josephson e22S

Each tom was mic'ed on the top and bottom, with the channels summed on the console. The Josephson e22S side-address cardioid condenser mic was developed in cooperation with Steve Albini.

**Cymbals:** Josephson C609

Similarly to the hihats, cymbals were mic'ed further away than on the original BFD and BFD XFL recordings. The resulting sound has less low frequencies than you may be accustomed to when using BFD.

**Overhead:** Royer R122

The overhead signals were passed through a Urei 1178 dual-channel peak limiter, with medium attack/release and 12:1 ratio settings, and a custom Urei EQ with 6dB rolloff at 10kHz.

**Room:** AKG C24

These were set up in a Mid/Side configuration. The signals were processed by a custom Electrical Audio M/S Decoder Matrix.

**Ambience (PZM channel):** Altec 150 'coke bottles' fitted with 21D capsules

These rare mics were placed on the floor, each about 2 ft. from the kick drum, pointing away from the kit.

## Luxurious levels of detail

### Up to 128 velocity layers

BFD Deluxe Collection's Kit-Pieces are provided with up to 128 velocity layers. The result is an unprecedented level of realism and expressive detail. Cymbals have particularly improved levels of detail compared to previous BFD material.

### Hyper-detailed hihats and cymbals

As in BFD XFL and 8 Bit Kit, the Deluxe Collection hihats feature extra ¼-open and ¾-open position Hit types, in addition to the usual closed, ½-open and open positions found in the original BFD library.

Ride cymbals include bell Hits, while the crash and splash cymbals have edge Hits. Both these Hits are played with the Bell Hit type in BFD's cymbal slots. The Deluxe Collection's cymbals are captured with more velocity layers than those on previous BFD recordings.

### Increased RAM overhead

The increased levels of detail cause a significantly higher RAM overhead compared to the content in BFD and even BFD XFL. When using lower amounts of RAM (512MB to 1GB), you can install BFD Deluxe Collection with Small or Medium detail settings, or consult the Performance Tips section in the BFD FAQ for other ways to optimize BFD for lower memory usage:

**[www.fxansion.com/product-bfd-userFAQ.php](http://www.fxansion.com/product-bfd-userFAQ.php)**

Many thanks,

**The FXpansion team**

**[www.fxansion.com](http://www.fxansion.com)**

# BFD DELUXE COLLECTION: KIT-PIECE LISTING

## DVD 1

- Bison 14x4" piccolo snare

**BFD/Data/DLX Bison/Snare Piccolo**

Size: 845 MB

Manufacturer: Bison

Model: 14x4" piccolo snare

Materials: Heavy die-cast hoops

**Hit, Drag, Flam, Rim, SS**

- Sabian 18" AA Fast Chinese

**BFD/Data/DLX Sabian/China 18 AA Fast**

Size: 390 MB

Manufacturer: Sabian

Model: 18" AA Fast Chinese

**Hit**

- Ludwig 22" Vistalite kick

**BFD/Data/DLX VistaLite/Kick 22 Felt**

Size: 1621 MB

Manufacturer: Ludwig

Model: 22" Vistalite kick

Materials: Plastic

Date: 1970's

Notes: Felt beater

**Hit, No snare**

- Ludwig 22" Vistalite kick

**BFD/Data/DLX VistaLite/Kick 22 Rubber**

Size: 692 MB

Manufacturer: Ludwig

Model: 22" Vistalite kick

Materials: Plastic

Date: 1970's

Notes: Rubber beater

**Hit, No snare**

- Ludwig 24" Vistalite kick

**BFD/Data/DLX VistaLite/Kick 24 Felt**

Size: 1348 MB

Manufacturer: Ludwig

Model: 24" Vistalite kick

Materials: Plastic

Date: 1970's

Notes: Felt beater

**Hit, No snare**

- Ludwig 14" Vistalite snare

**BFD/Data/DLX VistaLite/Snare**

Size: 1256 MB

Manufacturer: Ludwig

Model: 14" Vistalite snare

Materials: Plastic

Date: 1970's

**Hit, Drag, Flam, Rim, SS**

- Ludwig 16" Vistalite low tom

**BFD/Data/DLX VistaLite/Tom Floor**

Size: 414 MB

Manufacturer: Ludwig

Model: 16" Vistalite low tom

Materials: Plastic

Date: 1970's

**Hit**

- Ludwig 10" Vistalite hi tom

**BFD/Data/DLX VistaLite/Tom Hi**

Size: 277 MB

Manufacturer: Ludwig

Model: 10" Vistalite hi tom

Materials: Plastic

Date: 1970's

**Hit**



• Ludwig 13" Vistalite mid tom

**BFD/Data/DLX VistaLite/Tom Mid**

Size: 289 MB

Manufacturer: Ludwig

Model: 13" Vistalite mid tom

Materials: Plastic

Date: 1970's

**Hit**

• Ludwig 18" Vistalite floor tom

**BFD/Data/DLX VistaLite2/Tom Floor**

Size: 557 MB

Manufacturer: Ludwig

Model: 18" Vistalite floor tom

Materials: Plastic

Date: 1970's

**Hit**

• Ludwig 12" Vistalite hi tom

**BFD/Data/DLX VistaLite2/Tom Hi**

Size: 395 MB

Manufacturer: Ludwig

Model: 12" Vistalite hi tom

Materials: Plastic

Date: 1970's

**Hit**

• Ludwig 14" Vistalite mid tom

**BFD/Data/DLX VistaLite2/Tom Mid**

Size: 338 MB

Manufacturer: Ludwig

Model: 14" Vistalite mid tom

Materials: Plastic

Date: 1970's

**Hit**

• Zildjian 13" Z Dynabeat hihat

**BFD/Data/DLX Zildjian/Hihat 13Z Dynabeat**

Size: 2176 MB

Manufacturer: Zildjian

Model: 13" Z Dynabeat hihats

**Closed (tip + shank)**

**Quarter (tip + shank)**

**Half (tip + shank)**

**ThreeQ (tip + shank)**

**Open (tip)**

**Pedal**

• Zildjian 20" K Custom Ride

**BFD/Data/DLX Zildjian/Ride 20K**

Size: 601 MB

Manufacturer: Zildjian

Model: 20" K Custom Ride

**Hit, Bell**

## DVD 2

• DW 18x24" kick

**BFD/Data/DLX DW/Kick DW-Felt**

Size: 964 MB

Manufacturer: DW

Model: 18x24" kick

Materials: Birch, black oyster pearl finish

Date: 1995

Notes: Felt beater

**Hit, No snare**

• DW 18x24" kick

**BFD/Data/DLX DW/Kick DW-Plastic**

Size: 897 MB

Manufacturer: DW

Model: 18x24" kick

Materials: Birch, black oyster pearl finish

Date: 1995

Notes: Plastic beater

**Hit, No snare**

• DW 14" snare

**BFD/Data/DLX DW/Snare DW**

Size: 819 MB

Manufacturer: DW

Model: 14" snare

Materials: Black oyster pearl finish

Date: 1995

**Hit, Drag, Flam, Rim, SS**

• DW 16x18" floor tom

**BFD/Data/DLX DW/Tom Floor**

Size: 909 MB

Manufacturer: DW

Model: 16x18" floor tom

Materials: Black oyster pearl finish

Date: 1995

**Hit**

• DW 14x14" mid tom

**BFD/Data/DLX DW/Tom Mid**

Size: 770 MB

Manufacturer: DW

Model: 14x14" mid tom

Materials: Black oyster pearl finish

Date: 1995

**Hit**

• Ludwig 13" piccolo snare

**BFD/Data/DLX Ludwig/Snare Piccolo13**

Size: 900 MB

Manufacturer: Ludwig

Model: 13" piccolo snare

Materials: brown & blue duco

Date: 1959

**Hit, Drag, Flam, Rim, SS**

• Sabian 16" AA Rock Crash

**BFD/Data/DLX Sabian/Crash 16 AA Rock**

Size: 797 MB

Manufacturer: Sabian

Model: 16" AA Rock Crash

**Hit, Edge**

• Zildjian 18" A Medium Crash

**BFD/Data/DLX Zildjian/Crash 18A Med**

Size: 1115 MB

Manufacturer: Zildjian

Model: 18" A Medium Crash

**Hit, Edge**

• Zildjian 19" A Custom Brilliant Crash

**BFD/Data/DLX Zildjian/Crash 19A Brill**

Size: 1043 MB

Manufacturer: Zildjian

Model: 19" A Custom Brilliant Crash

**Hit, Edge**

• Zildjian 14" K series hihat

**BFD/Data/DLX Zildjian/Hihat 14K Old**

Size: 1726 MB

Manufacturer: Zildjian

Model: 14" K series hihats

Notes: old and worn

**Closed (tip + shank)**

**Quarter (tip + shank)**

**Half (tip + shank)**

**ThreeQ (tip + shank)**

**Open (tip)**

**Pedal**

• Zildjian 20" Constantinople Med. Ride

**BFD/Data/DLX Zildjian/Ride 20 Cons**

Size: 1076 MB

Manufacturer: Zildjian

Model: 20" Constantinople Med. Ride

**Hit, Bell**

## DVD 3

• Ludwig 20x14" Club Date kick

**BFD/Data/DLX Clubdate/Kick Felt**

Size: 1302 MB

Manufacturer: Ludwig

Model: 20x14" Club Date kick

Materials: Mahogany/poplar/maple, glass glitter finish

Date: 1965

Notes: Felt beater

**Hit, No snare**

• Ludwig 20x14" Club Date kick

**BFD/Data/DLX Clubdate/Kick Rubber**

Size: 725 MB

Manufacturer: Ludwig

Model: 20x14" Club Date kick

Materials: Mahogany/poplar/maple, glass glitter finish

Date: 1965

Notes: Rubber 'Bomber' beater

**Hit, No snare**

• Ludwig 14x14" Club Date floor tom

**BFD/Data/DLX Clubdate/Tom Floor**

Size: 550 MB

Manufacturer: Ludwig

Model: 14x14" Club Date floor tom

Materials: Mahogany/poplar/maple, glass glitter finish

Date: 1965

**Hit**

• Ludwig 8x12" Club Date hi tom

**BFD/Data/DLX Clubdate/Tom Hi**

Size: 473 MB

Manufacturer: Ludwig

Model: 8x12" Club Date hi tom

Materials: Mahogany/poplar/maple, glass glitter finish

Date: 1965

**Hit**

• Ludwig 14" Acrolite snare

**BFD/Data/DLX Ludwig/Snare 1927 Acrolite**

Size: 945 MB

Manufacturer: Ludwig

Model: 14" Acrolite snare

Date: 1927

Notes: Electrical Audio logo

**Hit, Drag, Flam, Rim, SS**

• Ludwig 14" 502 Supraphonic snare

**BFD/Data/DLX Ludwig/Snare 502**

Size: 1178 MB

Manufacturer: Ludwig

Model: 14" 502 Supraphonic snare

Materials: Metal

**Hit, Drag, Flam, Rim, SS**

• Ludwig 16x22" Mod Orange kick

**BFD/Data/DLX Orange/Kick Felt**

Size: 592 MB

Manufacturer: Ludwig

Model: 16x22" kick

Materials: Blond maple, Mod orange finish

Date: 1966-67

Notes: Felt beater

**Hit, No snare**

• Ludwig 16x22" Mod Orange kick

**BFD/Data/DLX Orange/Kick Rubber**

Size: 585 MB

Manufacturer: Ludwig

Model: 16x22" kick

Materials: Blond maple, Mod orange finish

Date: 1966-67

Notes: Rubber beater

**Hit, No snare**

• Ludwig 16x16" Mod Orange floor tom

**BFD/Data/DLX Orange/Tom Floor**

Size: 237 MB

Manufacturer: Ludwig

Model: 16x16" floor tom

Materials: Blond maple, Mod orange finish

Date: 1966-67

**Hit**

• Ludwig 8x12" Mod Orange hi tom

**BFD/Data/DLX Orange/Tom Hi**

Size: 235 MB

Manufacturer: Ludwig

Model: 8x12" hi tom

Materials: Blond maple, Mod orange finish

Date: 1966-67

**Hit**

• Ludwig 9x13" Mod Orange mid tom

**BFD/Data/DLX Orange/Tom Mid**

Size: 267 MB

Manufacturer: Ludwig

Model: 9x13" mid tom

Materials: Blond maple, Mod orange finish

Date: 1966-67

**Hit**

• Zildjian 16" A Medium Crash

**BFD/Data/DLX Zildjian/Crash 16A**

Size: 837 MB

Manufacturer: Zildjian

Model: 16" A Medium Crash

**Hit, Edge**

• Zildjian 14" K Constantinople hihat

**BFD/Data/DLX Zildjian/Hihat 14K Const**

Size: 2357 MB

Manufacturer: Zildjian

Model: 14" K Constantinople hihats

**Closed (tip + shank)**

**Quarter (tip + shank)**

**Half (tip + shank)**

**ThreeQ (tip + shank)**

**Open (tip)**

**Pedal**

• Zildjian 20" K Custom Dark Ride

**BFD/Data/DLX Zildjian/Ride 20K CustDark**

Size: 1064 MB

Manufacturer: Zildjian

Model: 20" K Custom Dark Ride

**Hit, Bell**

## DVD 4

• Gretsch 22" USA Maple Series kick

**BFD/Data/DLX Gretsch/Kick Felt**

Size: 522 MB

Manufacturer: Gretsch

Model: 22" USA Maple Series kick

Materials: Maple

Date: 1990's

Notes: Felt beater

**Hit, No snare**

• Gretsch 22" USA Maple Series kick

**BFD/Data/DLX Gretsch/Kick Rubber**

Size: 409 MB

Manufacturer: Gretsch

Model: 22" USA Maple Series kick

Materials: Maple

Date: 1990's

Notes: Rubber beater

**Hit, No snare**

• Gretsch 11x14" USA Maple Series floor tom

**BFD/Data/DLX Gretsch/Tom Floor**

Size: 397 MB

Manufacturer: Gretsch

Model: 11x14" USA Maple Series floor tom

Materials: Maple

Date: 1990's

**Hit**

• Gretsch 10x10" USA Maple Series hi tom

**BFD/Data/DLX Gretsch/Tom Hi**

Size: 223 MB

Manufacturer: Gretsch

Model: 10x10" USA Maple Series hi tom

Materials: Maple

Date: 1990's

**Hit**

• Gretsch 12x12" USA Maple Series mid tom

**BFD/Data/DLX Gretsch/Tom Mid**

Size: 397 MB

Manufacturer: Gretsch

Model: 12x12" USA Maple Series mid tom

Materials: Maple

Date: 1990's

**Hit**

• Paiste 20" Ride

**BFD/Data/DLX Paiste/Ride 20**

Size: 861 MB

Manufacturer: Paiste

Model: 20" Ride

**Hit, Bell**

• Wuhan 20" Light China

**BFD/Data/DLX Wuhan/China 20**

Size: 437 MB

Manufacturer: Wuhan

Model: 20" Light China

**Hit**

• Wuhan 20" Light China

**BFD/Data/DLX Wuhan/China 20 mallet**

Size: 207 MB

Manufacturer: Wuhan

Model: 20" Light China

Notes: Hit with mallet

**Hit**

• Yamaha 22" custom kick

**BFD/Data/DLX Yamaha/Kick Custom22**

Size: 888 MB

Manufacturer: Yamaha

Model: 22" custom kick

Materials: Maple

Date: Late 1990's

**Hit, No snare**

• Yamaha 24" Pro Tour kick

**BFD/Data/DLX Yamaha/Kick ProTour24**

Size: 845 MB

Manufacturer: Yamaha

Model: 24" Pro Tour kick

Materials: Maple

Date: Early 1990's

Notes: Felt beater

**Hit, No snare**

• Yamaha 5.5x14" Manu Katचे snare

**BFD/Data/DLX Yamaha/Snare Manu Katचे**

Size: 856 MB

Manufacturer: Yamaha

Model: 5.5x14" Manu Katचे snare

Year: 1990's

**Hit, Drag, Flam, Rim, SS**

• Yamaha 14x14" Pro Tour floor tom

**BFD/Data/DLX Yamaha/Tom Floor**

Size: 602 MB

Manufacturer: Yamaha

Model: 14x14" Pro Tour floor tom

Materials: Maple

Year: 1990's

**Hit**

• Yamaha 8x8" Pro Tour hi tom

**BFD/Data/DLX Yamaha/Tom Hi**

Size: 342 MB

Manufacturer: Yamaha

Model: 8x8" Pro Tour hi tom

Materials: Maple

Year: 1990's

**Hit**

• Yamaha 8x10" Pro Tour mid tom

**BFD/Data/DLX Yamaha/Tom Mid**

Size: 519 MB

Manufacturer: Yamaha

Model: 8x10" Pro Tour mid tom

Materials: Maple

Year: 1990's

**Hit**

• Zildjian 16" Z Custom Medium Crash

**BFD/Data/DLX Zildjian/Crash 16Z**

Size: 974 MB

Manufacturer: Zildjian

Model: 16" Z Custom Medium Crash

**Hit, Edge**

• Zildjian 15" New Beat hihat

**BFD/Data/DLX Zildjian/Hihat 15 New Beat**

Size: 1872 MB

Manufacturer: Zildjian

Model: 15" New Beat hihats

Date: 1980's

**Closed (tip + shank)**

**Quarter (tip + shank)**

**Half (tip + shank)**

**ThreeQ (tip + shank)**

**Open (tip)**

**Pedal**

• Zildjian 21" A Sweet Ride

**BFD/Data/DLX Zildjian/Ride 21A Sweet**

Size: 1035 MB

Manufacturer: Zildjian

Model: 21" A Sweet Ride

**Hit, Bell**

## DVD 5

• Backyard Drums 20x22" prototype kick

**BFD/Data/DLX Backyard/Kick Felt**

Size: 469 MB

Manufacturer: Backyard Drums

Model: 20x22" prototype kick

Date: 2005

Notes: Felt beater

**Hit, No snare**

• Backyard Drums 20x22" prototype kick

**BFD/Data/DLX Backyard/Kick Rubber**

Size: 238 MB

Manufacturer: Backyard Drums

Model: 20x22" prototype kick

Date: 2005

Notes: Rubber 'Bomber' beater

**Hit**

• Backyard Drums 13" piccolo snare

**BFD/Data/DLX Backyard/Snare**

Size: 1088 MB

Manufacturer: Backyard Drums

Model: 13" piccolo snare

Date: 2005

**Hit, Drag, Flam, Rim, SS**

• Backyard Drums 13x16" prototype floor tom

**BFD/Data/DLX Backyard/Tom Floor**

Size: 586 MB

Manufacturer: Backyard Drums

Model: 13x16" prototype floor tom

Date: 2005

**Hit**

• Backyard Drums 9x12" prototype tom

**BFD/Data/DLX Backyard/Tom Hi**

Size: 565 MB

Manufacturer: Backyard Drums

Model: 9x12" prototype tom

Date: 2005

**Hit**

• Sonor 22" Designer kick

**BFD/Data/DLX Sonor/Kick**

Size: 532 MB

Manufacturer: Sonor

Model: 22" Designer kick

Materials: Extra-light maple

Date: 2002

Notes: Felt beater

**Hit, No snare**

• Sonor 14" Designer snare

**BFD/Data/DLX Sonor/Snare**

Size: 1358 MB

Manufacturer: Sonor

Model: 14" Designer snare

Materials: Extra-light maple

Date: 2002

**Hit, Drag, Flam, Rim, SS**

• Sonor 16x16" Designer floor tom

**BFD/Data/DLX Sonor/Tom Floor**

Size: 455 MB

Manufacturer: Sonor

Model: 16x16" Designer floor tom

Materials: Extra-light maple

Date: 2002

**Hit**

• Sonor 8x10" Designer hi tom

**BFD/Data/DLX Sonor/Tom Hi**

Size: 264 MB

Manufacturer: Sonor

Model: 8x10" Designer hi tom

Materials: Extra-light maple

Date: 2002

**Hit**

• Sonor 8x12" Designer mid tom

**BFD/Data/DLX Sonor/Tom Mid**

Size: 375 MB

Manufacturer: Sonor

Model: 8x12" Designer mid tom

Materials: Extra-light maple

Date: 2002

**Hit**

• Zildjian 17" A Custom Brilliant Crash

**BFD/Data/DLX Zildjian/Crash 17A Brill**

Size: 806 MB

Manufacturer: Zildjian

Model: 17" A Custom Brilliant Crash

**Hit, Edge**

• Zildjian 14" hybrid hihat

**BFD/Data/DLX Zildjian/Hihat 14 Hybrid**

Size: 1563 MB

Manufacturer: Zildjian

Model: 14" hihat with Quick Beat top and rock bottom

Date: 1990's

**Closed (tip + shank)**

**Quarter (tip + shank)**

**Half (tip + shank)**

**ThreeQ (tip + shank)**

**Open (tip)**

**Pedal**

• Zildjian 14" New Beat hihat

**BFD/Data/DLX Zildjian/Hihat 14 New Beat**

Size: 1674 MB

Manufacturer: Zildjian

Model: 14" New Beat hihats

Date: 1980's

Notes: Worn

**Closed (tip + shank)**

**Quarter (tip + shank)**

**Half (tip + shank)**

**ThreeQ (tip + shank)**

**Open (tip)**

**Pedal**

• Zildjian 10" K Splash

**BFD/Data/DLX Zildjian/Splash 10K**

Size: 494 MB

Manufacturer: Zildjian

Model: 10" K Splash

**Hit, Edge**



**Production & Editing:** Steve Duda  
**Drum Technician :** Steve Albini  
**Electrical Staff Engineering Team:** Steve Albini, Russ Arbuthnot, Greg Norman  
**Drum Hitting:** Jay Starmer; additionally by Matt Walker, Elan Trujillo  
**Photography & Production Coordination:** Elan Trujillo  
**Programming:** Paul Chana, Angus Hewlett, SKoT McDonald, Andy Simper  
**Packaging Design:** Adam Ferns, [www.raresense.co.uk](http://www.raresense.co.uk)  
**Graphics:** Alex Akers, Rhiannon Bankston-Thomas  
**Manual:** Mayur Maha  
**Technical Support & QA:** Gareth Green  
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