

Chris Hein

ORCHESTRAL BRASS - COMPACT-

The screenshot displays the Kontakt software interface for the "Chris Hein Brass - Compact French Horn 1" instrument. The interface is organized into several sections:

- Top Bar:** Features the Kontakt logo, navigation buttons (left, right, keyboard, quick), and system information (CPU, Disk, Memory: 61.95 MB).
- Instrument Header:** Shows "French Horn 1 Compact", output settings (st. 1), MIDI channel ([A] 1), and memory usage (61.95 MB). It includes a "Tune" knob set to 0.00 and a "Purge" button.
- Visuals:** A large image of a French horn is centered, with a "C5" note indicator on the left. The text "Chris Hein BRASS - COMPACT FRENCH HORN 1" is displayed on the right.
- Dynamic and Keyboard Velocity:** A "KEYBOARD VELOCITY" section with a piano keyboard graphic and a "VELOCITY" slider set to 72. It includes options for "Keyboard", "X-Fade", "Keyb. & X-Fade", and "Auto X-Fade".
- Note Head:** A "NOTE HEAD" section with a dropdown set to "2" and options for "Keyboard" and "X-Fade".
- Vibrato:** A "VIBRATO" section with three sliders for "AMOUNT", "SPEED", and "EQ", and options for "LFO" and "Auto".
- Body and Room:** Two sections at the bottom. "BODY" includes "Body 13" (0.8s), "Volume" (-4.7dB), and "Delay" (0.00ms). "ROOM" includes "Big Symphony Hall", "Volume" (-7.5dB), and "Delay" (0.00ms).
- Articulation and Ensemble:** An "ARTICULATION" section with buttons for "C0 Sustain", "C#0 Dynamic Expr.", "D0 Short 1", "D#0 Short 2", and "E0 Short 3". An "ENSEMBLE" section includes "Voices" (1), "Spread" (100), and "Detune" (0).
- Transient:** A "TRANSIENT" section with "Attack" (50.0) and "Sustain" (70.0) sliders.
- Room Image:** A small inset image of a grand concert hall.

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comparison chart**

Credits:

Recording, Editing, Programming,
Chris Hein

Interface-Design:
Scott Kane Chris Hein

Additional Editing:
Ricarda Hein (Mrs. Melodyne)

Script-Programming :
Günter Hirscher

Produced For BestService, Munich

Thank you for buying Chris Hein - Orchestral Brass Compact

CH-Orchstral Brass Compact is the light version of CH-Orchestral Brass complete. It uses the same samples with the same amount of dynamic layers, the same Phase Alignment and Transition, but has reduced content in articulations and functions. You can always upgrade to CH-Brass complete to benefit from the full version of the instruments. See the comparison chart at the end of this manual.

With a vast amount of samples, many articulations and up to eight dynamic layers, the instruments in CH-Brass are sampled with extraordinary detail and programmed with great care. The user-interface holds tons of features on a single page to shape the sound and to adjust the playability to the way you want it.

One of the greatest and unique features of CH-Brass are the Phase-Aligned samples. After 6 months of research, we found a solution to phase-synchronize the samples. This enables an absolutely perfect blending between 6 dynamic layers. During the development, very much attention was spent on how to work with dynamics to provide a perfectly realistic and expressive instrument.

During the Phase-Align process, we had to separate the noise part from each sample, to synchronize the phase of the pure tone. As a result we got four audio files for each sample:

- The original recorded sample used in the velocity sensitive dynamic mode „Keyboard“
- The processed phase aligned sample used for the „X-Fade“, „Key & X-Fade“, „Auto X-Fade“
- A pure tone sample
- A pure noise sample

I hope you like Chris Hein - Brass Compact. Have fun! Chris Hein

System Specs:

PC: Windows7, Intel Core Duo or AMD Athlon 64 X2, 2 GB RAM (4 GB recommended).

MAC: Mac OS X 10.7 or later, Intel Core 2 Duo, 2 GB RAM (4 GB recommended).

**CH-Brass compact is watermarked with your personal data and IP address using proprietary watermarking techniques
Do not distribute, resell or torrent.**

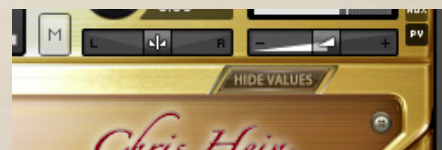
Interface

General Controls



Show/Hide Values

You can show or hide the values of the functions with the button on the top right of each page. However, as soon as you touch a function, the value is displayed even if „hide values“ is selected



General Controls

- 1 Solo/Mute
- 2 Tune - (CC09)
- 3 Panorama - (CC10)
- 4 Volume - (CC07)
- 5 Level indicator

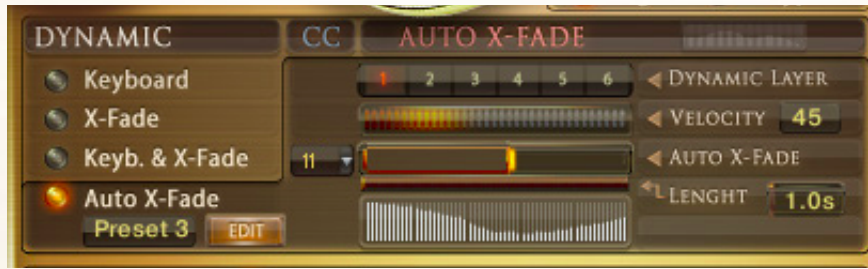
Saving Changes

CH-Brass has many features to customize the instrument to fit your demands. To save the settings you have made, use the Files menu from the Kontakt top-menu.



Dynamic

Volume Control / Dynamic Modes



Dynamic: Usually the dynamic of an instrument is just controlled only by the velocity of your midi keyboard. CH-Brass offers different options to control the dynamic. The details on the next page may sound a bit technical, but don't hesitate to just experiment with the settings.

The buttons at the left side let you switch between the four different dynamic-modes.

Keyboard - The articulations in CH-Brass have 3-8 dynamic layers. When set to „Keyboard“ these layers are available through the velocity of your midi keyboard. The actual played dynamic layer and the midi velocity are displayed as numbers from 1-8.

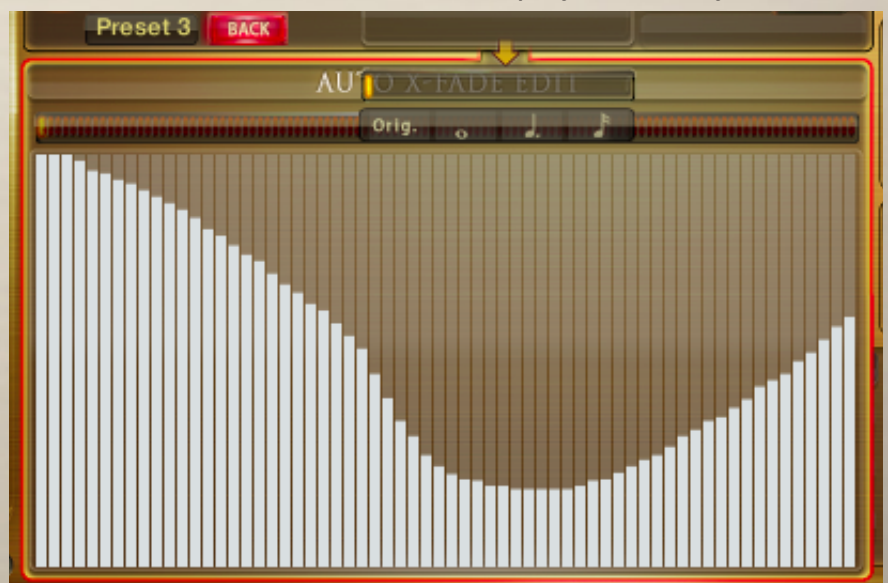
X-Fade - When this is selected, the velocity is controlled via midi Control Change (CC11, Expression, by default). You can also use any other controller by changing the X-Fade CC. Setting the controller to zero plays the lowest velocity layer, moving the controller up fades between the velocity layers, while increasing the value crossfades between the velocity layers until the highest value of 127 is reached.

Key & X-Fade - This is a combination of Keyboard dynamic and X-Fade. Velocity is controlled via keyboard velocity, but you can also use Expression (CC11) to crossfade between the velocity layers. Key & XFade works in an intelligent way. Let's say you play a note at velocity 100, then you increase Expression (CC11), starting from zero. No change is audible until the controller reaches value 100. From here, Expression takes control of the velocity and lets you change the dynamic even after the note is pressed. Key & XFade is perfect for playing realistic crescendos and decrescendos.

Auto X-Fade - This performs an automatic volume curve relative to the played velocity.

When Auto X-Fade is selected, the automatic volume curve starts at the velocity played on the midi-keyboard, performing a volume change depending on the settings in the table.

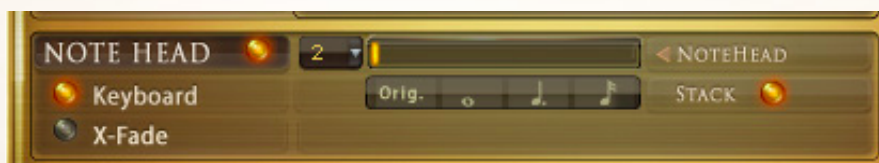
You can draw your own volume curve in the table. To edit the curve in more detail, click the „Edit“ button to enter a fairly big table. The length of the Auto X-Fade curve can be adjusted with the „Lengths“ fader



Note-Head Designer

Note Head Designer:

This is a unique function which you probably haven't seen in any other virtual instrument before.



“Note Head“ lets you vary the attack and release shape of the sound in a fantastic new and flexible way. Activate the Note-Head Designer with the switch on the left side. Use a Midi-Controller (CC2 by default) to control the Note-Heads, or use the fader in the interface. Setting the controller to zero plays the original articulation, as display on top of the interface. Moving the controller up lets you switch through 6 different variations of the note-head. These variations are short notes, recorded in six different lengths, each with 8 dynamic layers. S1 has a length of more than a second, as you move up, the Note-Heads get shorter, until S6, which is an extremely short staccatissimo. When playing lines like „Baa dap“, a sequence of short and long notes, you would usually use the sustained articulation and just stop the note. However, it makes a huge difference if the ending of a short note is a real recording ending, or just a stopped sustained note.

“Stack“ offers a second function of the Note-Head is. When this is checked, the short notes are layered with the original articulation. Thanks to the phase-aligned samples, the blending is very smooth. Click the edit page to edit the fade times in detail.

Vibrato:

Two types of Vibrato are available in CH-Brass compact. Choose between manual LFO-Vibrato, and Auto-Vibrato.



Vibrato:

These are the controls for the intelligent LFO-based Vibrato available through CC01 (Modwheel). You can change the CC from 1 to any other CC.

- **Amount** sets the volume of the Vibrato effect
- **Speed** sets the speed of the LFO
- **EQ** sets the amount of frequency shift during the Vibrato

Auto - Vibrato:

performs an automatic vibrato curve instead of using the Modwheel.



Articulations:

5 Articulations are available via Key-Switch
Press the keys ranging from C0 - E0 to access the different articulations.



Legato / Polyphon

Switch between Legato and polyphonic playing with this button.
You can also play chord with legato selected if all notes of a chord are played withing a time range of 30ms.



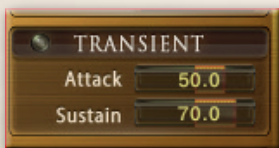
Ensemble:

You can setup a group of wind players here.

Voices: Select 1-5 instruments to play.

Spread: Sets the Stereo-Spread of the harmonized Sound

Detune: Detunes the harmonized sounds in cents.



The Transient Designer is a compressor designed to control the attack and sustain of a sound. Instead of following the amplitude of the sound like a traditional compressor, it follows the general envelope and is thus not as susceptible to changes of input gain.

Attack controls the scaling of the attack portion of the input signal's volume envelope.

Increasing this parameter will add more punch and decreasing it will reduce sharp attacks.

Sustain controls the scaling of the sustain portion of the input signal's volume envelope. Increasing this parameter will add more body to the sound and decreasing it will reduce the sound's tail.

Body and Room

CHW contains 40 fantastic, built-in convolution reverbs,

as well as 23 very short impulse responses to design the body of the instrument.

The combination of two convolution reverbs lets you design the body and the room individually.



Controls for Body and Room

On/Off - Switches the Convolution Reverb on and off.

Preset - Choose from 40 specially-designed Impulse Responses.

Volume - Adjusts the amount of the Convolution Reverb.

Delay - Sets the pre-delay time before the reverb starts.

CH-Orchestral Brass Complete / Compact comparison

Function	Complete	Compact
Articulations		
Sustain	+	-
Crescendo	+	+
Dynamic Expression Long	+	+
Dynamic Expression short	+	-
Flutter Tongue	+	-
Short 1	+	+
Short 2	+	-
Short 3	+	+
Short 4	+	-
Short 5	+	-
Short 6	+	+
Scale Run Up	+	-
Scale Run Down	+	-
Rip 1	+	-
Rip 2	+	-
Fall	+	-
Functions		
True Legato Short	+	+
True Legato Long	+	-
True Legato Edit	+	-
Hot-Keys	+	-
Key-Switch Presets	+	-
Note Heads	6	3
Note-Head Edits	+	-
Glide-Mode	+	-
DSP-Effects	+	-
Micro-Tuner	+	-
Adjustable Settings	+	-
Adjustable Pitchbend	+	-
Release Samples	+	+
Adjustable Release	+	-
ADSR	+	-
Adjustable Dynamic	+	-
Touch OSC support	+	-

Chris Hein **Recording / Programming**



Chris Hein has almost 30 years of experience with sound samples. By 1986 he had already produced the legendary “Studio-Sample” series for Metra-Sound.

In 1985 he was one of the first computer pioneers, to use the Commodore C-64 for computer music. His work for Emagic (the C-Lab application) at the Frankfurt Music Exhibition set the course for his successful work as a sound-arranger. With the SX-64, the world’s first laptop, he traveled to various music studios in Europe.

From Atari to Mac, he eventually settled down with the foundation of “Hine-Studio” and created innumerable sounds for CD-Productions, Film & TV music, industrial shows and musicals. The focus of his work has always concentrated on the reproduction of real orchestras with virtual instruments. The contract musicals “A World for Deinhard” (1994) and the great horse-musical productions “The Enchanted Forrest” (1996), “Goa” (2000) and “Sudakan” (2010) consist exclusively of sample sounds. Today his studio contains an impressive collection of 22 samplers of various types.

In 1997 Chris Hein established the Film & Media production company: “Wizard Media GmbH”.

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Chris Hein - Guitars

ULTRA REALISTIC VIRTUAL INSTRUMENTS



E-GUITAR



JAZZ-GUITAR



STEEL-GUITAR



NYLON-GUITAR



BANJO



MANDOLINE

CHRIS HEIN - GUITAR IS AN OUTSTANDING, SAMPLED VIRTUAL GUITAR LIBRARY.

THOUSANDS OF SAMPLES, MANY ARTICULATIONS AND DYNAMICS ALL IN ONE PRESET PER INSTRUMENT
THANKS TO NATIVE INSTRUMENTS GENIUS SCRIPT FEATURE, CHRIS HEIN - GUITAR IS EASY TO CONTROL

INSTRUMENTS:

- E-GUITAR CLEAN
- E-GUITAR BLUES
- E-GUITAR METAL
- JAZZ GUITAR PLECTRUM
- JAZZ GUITAR FINGER
- STEEL GUITAR PLECTRUM
- NYLON GUITAR FINGER
- BANJO
- MANDOLINE

MAIN FEATURES:

- NEW KONTAKT PLAYER 2 INCLUDED
- 36.000 SAMPLES, 18 GB CONTENT
- 3.000 - 6.000 SAMPLES PER INSTRUMENT
- OVER 30 ARTICULATIONS IN ONE PRESET
- UP TO 13 VELOCITIES
- 50 INTELLIGENT MIDICONTROLLER
- REVERB, DELAY, CHORUS & 3-BAND EQ

CONTROLS & SCRIPTS:

- CHORD MODE,
- DIFFERENT SLIDE MODES,
- SOLO MODE (HAMMER ON/PULL OFF)
- HARMONIZER
- ELECTRIC/ACOUSTIC BLENDING
- DIFFERENT RELEASE-CONTROLS,,
- DIFFERENT ATTACK -CONTROLS,
- FALL CONTROL,
- RATTLE CONTROL
- AUTOMATIC UP- AND DOWNSTROKE,
- BRIDGE- AND CENTER PLAYING



RECORDING AND PROGRAMMING
BY CHRIS HEIN

MORE INFORMATIONS:

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Chris Hein-Bass

ULTRA REALISTIC VIRTUAL INSTRUMENTS

- E-Bass Picked
- E-Bass Slap
- E-Bass Fretless
- Upright-Bass Steel Strings
- Upright-Bass Nylon Strings
- Upright-Bass Gut Strings

„Chris Hein - Bass“
is an outstanding, sampled
virtual instrument. Thousands
of samples, many articulations
and dynamics all in one
preset per instrument.
With about 20.000 samples
and 12,7 GB content, CHB is
the largest available bass-library.

Thanks to Native Instrument's genius script feature, „Chris Hein - Bass“ is easy to control.



INSTRUMENTS:

- E-Bass Pick
- E-Bass Slap
- E-Bass Fretless
- Upright-Bass Steel String
- Upright-Bass Nylon String
- Upright-Bass Gut String

MAIN FEATURES:

- Kontakt-Player 2 included
- 20.000 samples, 12,7 GB content
- Up to 4.096 samples per instrument
- Up to 42 articulations in one preset
- Up to 8 velocities
- 112 intelligent midicontroller
- Reverb, Delay, Chorus & 3-Band EQ
Flanger, Phaser, Compressor, Filter.

CONTROLS & SCRIPTS:

- Different Slide Modes
- Solo Mode (hammer on/pull off)
- Two Fretpositions
- Automatic Variations
- Harmonizer
- Electric/Acoustic Blending
- Different Release-Controls
- Different Attack-Controls
- Fall Control
- Buzz String Control
- Atmosphere Control
- Bridge and Center playing
- Effect Samples
- Chord Mode



RECORDING &
PROGRAMMING
BY CHRIS HEIN

More Informations:
www.chrishein.net
www.bestservic.de

THE FAMILY OF CHRIS HEIN - HORNS



CHH VOL.1 - XL-SOLO INSTRUMENTS

4 very deeply sampled Solo-instruments with up to 44 articulations and up to 20 velocities. Approximately 4,000 samples per instrument
Alto Sax Solo, Tenor Sax Solo, Trumpet Solo, Trombone Solo, Trumpet Section



CHH VOL.2 - BRASS & WOODWIND

3 x Alto Sax, 2 x Tenor Sax, 2 x Baritone Sax, 4 x Trumpet, 4 x Trombone, 2 x Bass Trombone, 3 x Sax Section, 3 x Trumpet Section, 3 x Trombone Section



CHH VOL.3 - MUTED BRASS

8 x Muted Trumpet, 8 x Muted Trombone, 7 x Trumpet Section, 5 x Trombone Section



CHH VOL.4 - MORE BRASS & WOODWINDS

Soprano Sax, Bass Sax, Contra Bass Sax, Clarinets, Bass Clarinet, Fluegelhorn, Euphonium, Tuba

All instruments are available as a complete bundle, single volumes or as individual downloadable instruments. Check www.chrishein.net for details.

As owner of any CHH version, you are eligible to upgrade to CHH-Complete for a special price. Send an email to hein@wizardmedia.de for more info

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