

YAMAHA® CS-80 BRASS

an EX5Tech
"Classic Keys" Single
for the Yamaha EX5



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Recreate one of the best all-time sounds ever from Yamaha's mightiest analog polyphonic synthesizer. With this release, you get 21 Samples, 3 EX Waves, and 16 Voices of heavenly CS-80 Brass for your EX5.

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EX5Tech

The Voices...

Most of the Voices contained in this set are aimed at accurate reproductions of the CS-80 sound and performance experience. Hence, few of the Voices use velocity sensitivity, but there are exceptions. All Voices have a full complement of performance controllers, and two saved Scenes, so don't forget to experiment. All Voices listed below are in I-1.

#	Cat.	Name	Type	Description & Performance Notes
001	Pd:	CS-80 Brass	AWM	A simple, authentic, single layer Voice of the CS-80 Brass.
002	Vo:	CS-80 Stereo	AWM	Dual layer stereo. Filter parms are slightly offset in each layer for realism.
003	St:	CS-80 Cubed	AWM	A three layer Voice incorporating "regular", "fast", and "slow" WAVES.
004	Pd:	CS-80 Quadra	AWM	A heavy four layer Voice with lots of subtle movement in the sound.
005	Pd:	CS-80 Octave	AWM	A two layer Voice with each layer an octave apart.
006	Pd:	CS-80intervl	AWM	A three layer Voice with strange intervals for a unique sound.
007	Se:	CS-8000 Brs	AWM	What if... ? The CS-80 sound, with amp, filter, & env time velocity sensitivity.
008	Se:	CS-8000 KnFX	AWM	Same as "CS-8000 Brs", but with different controller assignments over effects.
009	Or:	CS-80 Phaser	AWM	A nice slow "stone-like" phaser applied to the basic CS-80 Stereo sound.
010	Pf:	CS80DualTube	AWM	Here's the CS-80 Brass run through a pair of tube amps!
011	St:	CS-80 Rotary	AWM	A stereo CS-80 Brass sound run through a Leslie rotary speaker.
012	Pd:	CS-80 KnobFX	AWM	Add your own various effects to the "CS-80 Stereo" Voice via the six knobs.
013	Sc:	Watery CS-80	FDSP	The FDSP "Water" algorithm adds a new flavor to the CS-80 Brass.
014	Sc:	CS-80 PWMbrs	FDSP	FDSP "PWM" gives a different sound that might actually be doable on a real CS-80.
015	Se:	Scary CS-80	AWM	Different filters and a pitch modulated reverb lend a unique sound to this Voice.
016	Fx:	CS-80 Wonder	AWM	Two add'l intervals are layered on top, with amp modulation applied to both.

Want to compare the samples in the EX5's own onboard "CS80Brs" Wave to the custom samples in this set? Check out the "EX-80 Brass" Voice in slot 017 (B1), and compare it to the "CS-80 Brass" Voice in slot 001 (A1).

File Loading Instructions...

1. Load "all" from the CS80_Brs.s1m WAVE file.
2. Load "all" from the CS80_Brs.s1v Voice file.

NOTE TO NEWBIES: If you're not familiar with the details of how to load a Voice (.s1v) and/or WAVE (.s1m) file into your EX5, please see the "DISK MODE - File Load" section in your owner's manual on page 265.

About the Samples and Waves...

Many thanks to Marcel Donn  and Hollow Sun (visit <http://www.hollowsun.com>) for providing the original samples used as the raw material in building "CS-80 Brass for EX5". Every third key from the CS-80's 61 keys was sampled, for a total of 21 samples. The large number of samples contributes greatly to the richness of the overall sound when playing them on the EX5. For this release, the original samples were re-looped for accuracy and trimmed for size reduction. Progressive resampling was applied to reduce the total size of the set to under 1mb, such that it will fit into the stock EX5 DRAM. The resampling caused a very minor amount of high frequency loss in the low to mid-range samples, but in practice, the losses are all but inaudible. No noise or hum reduction was necessary in tweaking the samples, nor was any EQ applied. In addition to the "regular" CS-80 Brass EX Wave, "fast" (+) and "slow" (-) versions are also included. For those unfamiliar with the terms, a "fast" Wave is one in which the Samples are mapped higher than normal on the keyboard, resulting in the Samples being played faster than normal. "Slow" Waves are the opposite, with the Samples mapped lower than normal on the keyboard. While not "realistic" if attempting to accurately recreate an actual instrument, combinations of "fast" and/or "slow" Wave(s) with "regular" Waves can result in a very lush sound.

License...

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