

CS6x

CONTROL SYNTHESIZER

CS6R

TONE GENERATOR



Creative Sound Control that Expands to Your Demands

Today's music production demands a synthesizer that's capable of producing fresh cutting-edge sounds that have never been heard before. The CS6x/CS6R exceed these demands by giving you hundreds of incredible onboard voices AND phrase sampling capability, as well as realtime sound control knobs for endless music creation. Plus they accommodate Yamaha Modular Synthesis Plug-in Boards, so adding cool new synthesis possibilities is easy and cost-effective.



MODULAR SYNTHESIS PLUG-IN SYSTEM



Ultimate Realtime Control

Shape your sound exactly the way you want it. The CS6x provides 12 parameter knobs, as well as 2 programmable scenes, giving you total realtime control over voice creation—in the studio or on stage.

Phrase Clips

Ideal for remix and dance artists, the CS6x/CS6R feature 4MB of sampling memory for making drum loops and other phrase samples. Once a phrase is sampled, you can use the Loop Remix/Divide function to create new sample variations.

Outstanding Voices

The CS6x/CS6R are loaded with hundreds of high-quality voices based on Yamaha's highly acclaimed EX Series synthesizers. Designed especially for today's dance-oriented music, these synths feature cutting-edge leads and speaker-thumping basses that hip-hop and techno producers won't be able to resist. Of course, they also have a full array of standard voices to ensure the widest range of possibilities for your music.

64-Note Polyphony

Go ahead and fill your tracks with all the acid lines and percussion you want. With 64 notes of polyphony, you can create thick-layered synth sounds and complex rhythm arrangements without worrying about voices dropping out of the mix.

Multi-Mode Filters

The sound of the CS6x/CS6R is phat and punchy thanks to multi-mode resonant filters. This feature allows a combination of resonant filters to be assigned to a voice—a low pass and high pass filter, for example.

Modular Synthesis Plug-in System

Yamaha's Modular Synthesis Plug-in System is a totally unique approach to keyboard expansion. Unlike conventional expansion boards, which only give you extra PCM samples, these Plug-in Boards add a complete synthesizer engine to the CS6x/CS6R. Two expansion slots are provided, allowing you to customize these synthesizers with the exact synthesis power you need—analogue physical modeling, FM synthesis, and more!

SmartMedia™ Storage

Phrase clips, SMF sequences and other synthesizer data can be conveniently stored on SmartMedia™ cards, thus giving you the advantage of a large storage capacity without the bulk and high cost associated with traditional memory cards.

A/D Input

Add a creative edge to your music by plugging an external audio source—such as a microphone, CD player, or even another synthesizer—into the CS6x/CS6R and running the signal through the digital effects.

Digital Effects

From subtle echoes and reverbs to mind-splitting distortion, the CS6x/CS6R's onboard multi-effects let you add space and depth to any of the voices to create a powerful, professional-sounding mix.

SMF Playback Sequencer

A built-in playback sequencer allows you to play back Standard MIDI Files (Format 0). By storing your original SMF sequences from an external sequencer onto a SmartMedia™ card, you can give an entire live performance just using the CS6x/CS6R!

Prototype model shown. Actual product appearance is subject to change.



CS6x/CS6R Specifications

FUNCTIONS	
Keyboard	61 Keys, Initial Touch/After Touch (CS6x)
Tone Generator	AWM2
Multitimbrals	16 + 1 (A/D) + 1 (Phrase Clip) + 2 (Plug-in)
Polyphony	64 Notes
Effects	Reverb: 12, Chorus: 23, Insertion Effects: 93, Insertion Effects for Plug-in Boards: 24, Master Equalizer: 4
Voice	Preset Bank normal: 256, drum kits: 8 User Bank normal: 128 (Internal) + 128 (External) drum kits: 2 (Internal) + 2 (External) normal: 64 (Plug-in 1), 64 (Plug-in 2) 128 (Internal) + 64 (External)
Performance	Plug-in 1, 2 User Bank User Bank 4 Zones (Master Keyboard Settings) (CS6x) 20 Parts (16 + Plug-in 1 + Plug-in 2 + A/D + Phrase Clip) *Part Layers: Max. 4 2 Memories per Voice/Performance (CS6x)
Scene	4 MB (volatile)
Phrase Clip	Memory 4 (73 Key x 4 sets) Clips 256 Clip Kits 4 (73 Key x 4 sets) Sampling Freq. 44.1 kHz, 16-bit Linear
Arpeggiator	128 Types (MIDI Sync, MIDI TX, RX, Velocity Rate, Gate Time Rate, Unit)
Sequencer	SMF Playback (Format 0) Direct Play Only
Expandability	2 Slots for Plug-in Boards

EXTERNAL MEMORY	
Card	Smart Media™ 3.3 V
CONTROLLERS	
Pitch Bend Wheel (CS6x), Modulation Wheel (CS6x), Ribbon CONTROLLER (CS6x), Sound Control Knob x 14 (CS6x), Master Volume Knob x 5, Assignable Knob x 5, Data Entry/Page Knob x 2, A/D Input Gain	
CONNECTORS & TERMINALS	
OUTPUT: L/MONO, R (1/4" Jack), INDIVIDUAL OUTPUT: 1, 2 (1/4" Jack), BREATH CONTROLLER, FOOT VOLUME (CS6x), FOOT CONTROLLER (CS6x), SUSTAIN (CS6x), FOOT SWITCH (CS6x), MIDI: IN/OUT/THRU, TO HOST: Mini Din, PHONES: Stereo 1/4" Jack, A/D INPUT: MIC/LINE 2, LINE 1 (Stereo 1/4" Jack) *Analog Mix Mono,	
DIMENSIONS (W x D x H) , WEIGHT	
CS6x	1019 mm x 357 mm x 109 mm (40-1/8" x 14-9/16" x 4-3/8")
CS6R	480 mm x 366 mm x 88 mm (18-7/8" x 14-3/8" x 3-1/2")
CS6x	11.6 Kg (25.6 lbs)
CS6R	5.4 Kg (11.9 lbs)
ACCESSORIES	
CD ROM Smart Media™ 4 MB	

Specifications are subject to change without notice.
SmartMedia is a trademark of Toshiba Corporation.

For details please contact:



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