

MONOPHONIC SYNTHESIZER CS 01 *Producer Series*

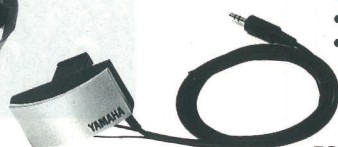


Standard Accessories

- R6 Battery x 6
- Options
- PA-1 AC Adaptor
- SC-01 Soft Case
- BC1 Breath Control Unit



SC-01 Soft Case



BC1 Breath Control Unit

The new 32-key CS-01 monophonic synthesizer is compact, lightweight, and runs either on batteries or with an AC adaptor for complete portability. An amplifier and monitor speaker are built-in, so you don't need any external equipment to get the best of the CS01 sound. The CS-01 offers a voltage controlled oscillator (VCO), voltage controlled filter (VCF), voltage controlled amplifier (VCA), envelope generator (EG), and low frequency oscillator (LFO), giving you the sound creation capability of much bigger, more complex synthesizers. The Envelope Generator can be used to control the VCF and/or VCA, making it possible to create time-based variations in tonality and volume envelope. LFO modulation, vibrato, wow-wow, and pluse width modulation are also possible with the CS-01, and easy to operate Pitch and Modulation Wheels give you pitch real-time control over pitch and modulation depth.

Another noteworthy feature of the CS-01 is the Breath Control, which allows you to control the VCF and VCA with breath pressure through a special mouth pipe connected to the synthesizer. A headphone jack offers private monitoring capability, and a strap attachment lets you play the CS-01 hanging from your shoulder—like a guitar. Overall, the CS-01 gives you great synthesizer versatility and sound with go-anywhere portability and convenience.

MONOPHONIC SYNTHESIZERS

model	CS 15D	CS 15	CS 5	CS 01
keyboard	37keys C ₂ ~ C ₅ high note priority	37keys C ₃ ~ C ₆ high note priority	37keys C ₃ ~ C ₆ high note priority	32keys F ₂ ~ C ₅ high note priority
system	2VCO-2VCF-2VCA-4EG-LFO- PRESET MEMORY BANK	2VCO-2VCF-2VCA-2EG-LFO	VCO-VCF-VCA-EG-LFO	VCO-VCF-VCA-EG-LFO
voice selector	CH 1: CLARINET/OBOE/FLUTE/TUBA/TROMBONE/HORN/TRUMPET/ WOOD BASS/CELLO/VIOLIN/CLAV/HARPSICHORD/XYLOPHONE/COSMIC 1/2 CH 2: WOOD WIND 1/2/3/BRASS 1/2/3/4/ STRING 1/2/3/ PERCUSSIVE 1/2/3/ COSMIC 3/ MANUAL			
voltage controlled oscillator	FEET (32'/16'/8'/4'/2'), WAVE MIXER (\square \square), NOISE MIXER, PW	VCO 1: FEET (64'/32'/16'/8'/4'/2'), WAVE (\wedge \wedge \square), LFO MOD, PW,PWM VCO 2: similar to VCO 1	FEET (64'/32'/16'/8'/4'/2') LFO MOD, PWM	PITCH, FEET (4'/8'/16'/32'/NOISE), WAVE (\wedge \wedge \square \square /PWM), PWM SPEED
mixer	MIX (CHANNEL 1-CHANNEL 2)	MIXER 1: EXT/NOISE, VCO 1 MIXER 2: VCO 1, VCO 2	EXT/NOISE, \square , \square	
voltage controlled filter	CUT OFF FREQ, RESONANCE, EG DEPTH, EG (A, D, S, R)	VCF 1: CUT OFF FREQ, RESONANCE, LFO MOD, EG DEPTH, HPF/BPF/LPF SW VCF 2: similar to VCF 1	CUT OFF FREQ, RESONANCE, LFO MOD, EG DEPTH	CUT OFF FREQ, RESONANCE SW, EG-DEPTH
voltage controlled amplifier	EG (A, D, S, R)	VCA 1: INITIAL LEVEL, LFO MOD, EG DEPTH, EG 1/2 SW VCA 2: similar to VCA 1	INITIAL LEVEL, LFO MOD, EG-DEPTH	EG DEPTH
envelope generator	see VCF and VCA	EG 1: A, D, S, R, NORMAL/TIME x 5 SW, EXT/KBD SW EG 2: A, D, S, R, NORMAL/TIME x 5 SW	A, D, S, R,	A, D, S, R
low frequency oscillators	SPEED, FUNCTION (\sim \square /S&H/REPEAT)	SPEED, FUNCTION (\sim \square /S&H)	SPEED, \sim \square /S&H SW	SPEED
effect controls	SUSTAIN, PORTAMENTO, BRILLIANCE, MODULATION WHEEL (VOC/VCF/VCA), PITCH WHEEL	GLIDE (TIME, VCO 1 DEPTH, VCO 2 DEPTH), PORTAMENTO, BRILLIANCE (LEVEL, VCF 1/1+2/2 SW), PITCH BEND (BENDER, LIMITER; N/M/W)	PORTAMENTO, PITCH BEND	GLISSANDO, PITCH BEND WHEEL, MODULATION (WHEEL, VCO/VCF SW), BREATH CONTROL (VCF, VCA)
pitch controls	TUNE, CHANNEL 2 DETUNE, PITCH WHEEL	TUNE, VCO 2 DETUNE, PITCH BEND LEVER	TUNE, PITCH BEND LEVER	PITCH, PITCH BEND WHEEL
external		TRIGGER LEVEL, EXT/NOISE SW	TRIGGER LEVEL, EXT/NOISE SW	
output controls	LINE OUT SW, VOLUME	VOLUME		VOLUME (POWER SW)
audio jacks and monitor speaker	LINE OUT 1, 2/MIX (-1.5dB* 600 ohms), PHONES (8 ohms)	EXTERNAL IN (330k ohms), HIGH OUT (+2dB* 600 ohms), LOW OUT (-18 dB* 600 ohms), PHONES (8 ohms)	EXTERNAL IN (390k ohms), OUTPUT (-22 dB* 600 ohms)	LINE OUT (-16dB* 10k ohms), PHONES (8 ohms), MONITOR SPEAKER (2 watts rms)
control jacks	CONTROL VOLT IN 1, 2, CONTROL VOLT OUT, TRIGGER IN 1, 2, TRIGGER OUT	CONTROL VOLT IN 1, 2, CONTROL VOLT OUT, TRIGGER IN 1, 2, TRIGGER OUT	CONTROL VOLT IN, CONTROL VOLT OUT, TRIGGER IN, TRIGGER OUT	BREATH CONTROL, DC-IN (9 volts)
dimensions W x H x D	85.4 x 13.43 x 34.7 cm 33-1/8" x 5-1/4" x 13-5/8"	75.4 x 17.4 x 33.25 cm 29-5/8" x 6-7/8" x 13-1/8"	64.1 x 15.7 x 29.0 cm 25-1/4" x 6-1/8" x 11-3/8"	48.9 x 3.6 x 16.0 cm 19-1/4" x 1-7/16" x 6-5/16"
weight	12 kg 26.5 lbs.	10 kg 22 lbs.	7 kg 15.4 lbs.	1.5 kg 3.3 lbs.
power source	AC 110/120/220/240 volts selectable	AC 110/120/220/240 volts selectable	AC 110/120/220/240 volts selectable	R6 battery x 6 or PA-1 AC adaptor

*nominal, 0dB is referenced to 0.775 volts