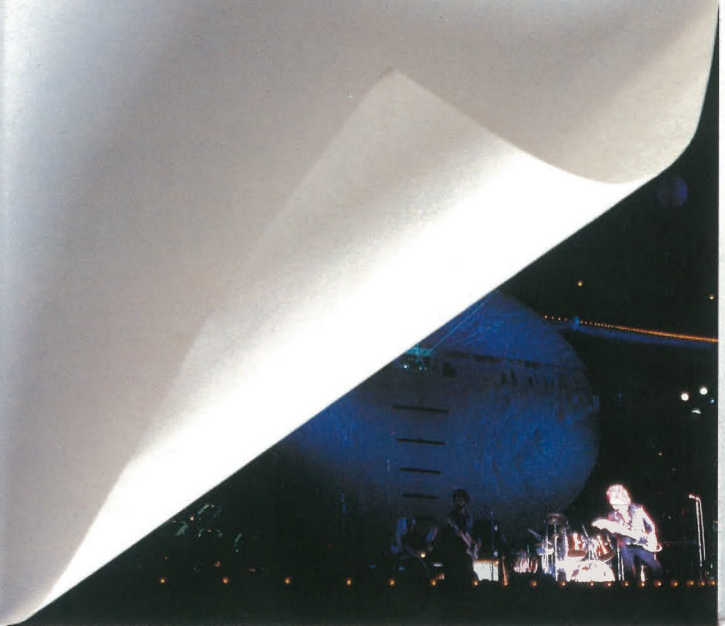


YAMAHA **SK** SERIES SYMPHONIC ENSEMBLES

*Versatile Multi-Keyboards
for the Creative Keyboardist*



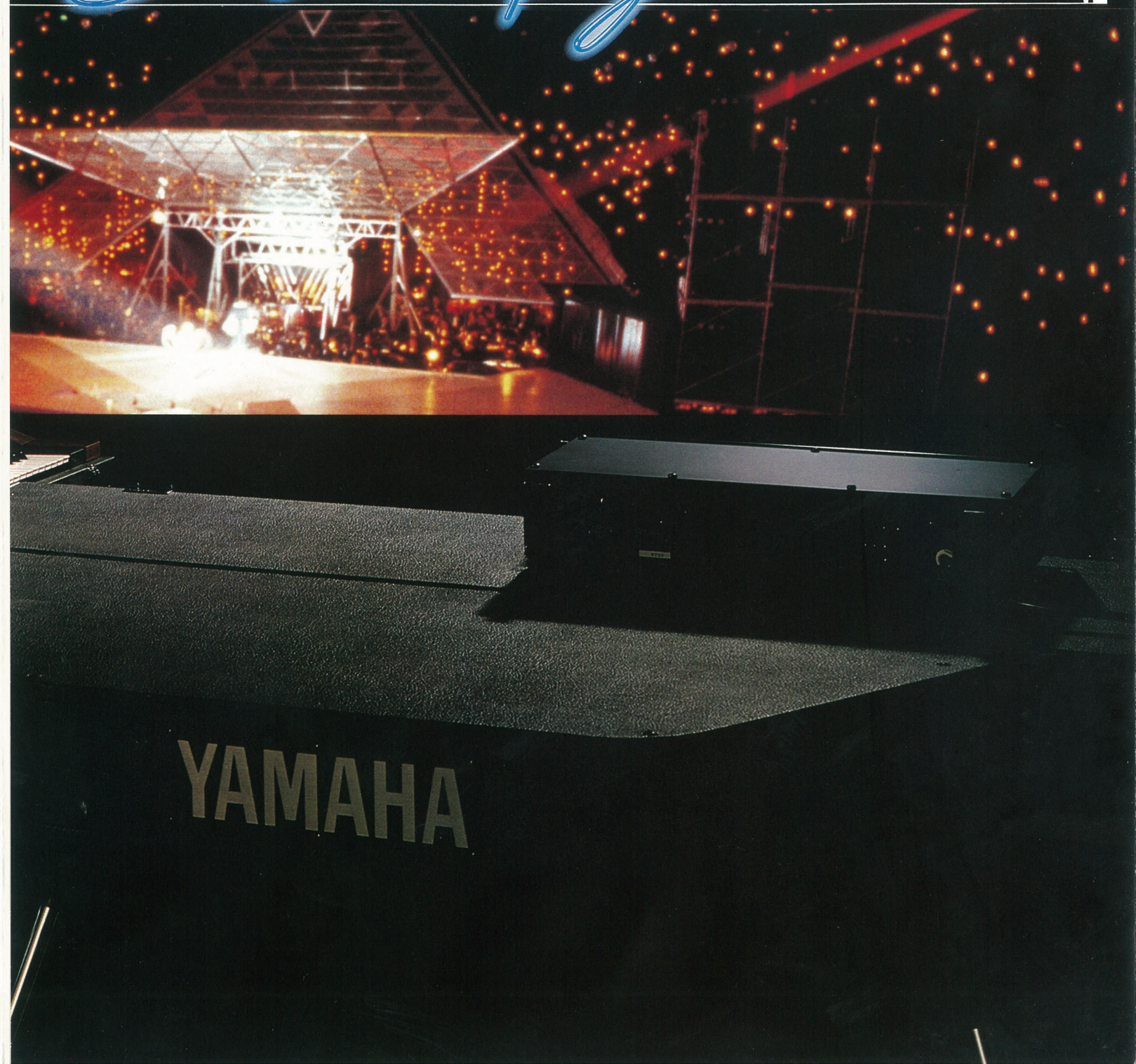
Concentrated Music Potential

Yamaha SK series keyboards offer the contemporary keyboard player a rare opportunity to focus his talent and creativity on a single instrument. As their title—symphonic ensemble—implies, they offer a number of distinctly independent keyboard sounds in one extremely versatile unit. Overall, the SK series symphonic ensembles offer more creative scope than any other single electronic keyboard has ever provided. Their incredible versatility lets you explore the full width and breadth of your musical artistry.

*Yamaha SK Series symphonic Ensembles:
fine instruments for true artistry.*



Multi-Keyboards



Superior Features, Functions and Sound

ORGAN SECTION

The SK series organ sections feature a full range of stop levers from 1' to 16', percussion levers with adjustable decay, and controls for overall sustain, brilliance and decay. The percussion, sustain, brilliance and decay controls affect the organ preset sounds as well as the Manual organ section.

POLY-SYNTH/STRING SECTION

The poly-synth section offers a full complement of filter and envelope generator controls permitting cre-

ation of an unlimited variety of sounds. The poly-synth is a 7-note polyphonic synthesizer with complete control of pitch, filter cutoff and resonance, envelope generator depth, and a full ADSR generator. Also, sustain, slow attack and brilliance functions are provided which affect the string and poly-synth presets as well as the Manual sound.

BASS SECTION

This section, unique to the SK50D, provides an independent set of

tone generators and controls for a deep, rich organ bass sound. Included are 16', 8' and ATTACK 8' stop levers, as well as sustain and brilliance controls. The organ bass sound is controlled from either the "Manual Bass" section (1½ octaves) of the lower keyboard or the optional bass pedal unit (BP-2).

SOLO SYNTHESIZER SECTION

The solo synthesizer section offered in the SK50D and SK30 features a single voltage controlled oscillator and permits full control

of pitch, waveform, filter, volume, envelope generator and portamento functions. In addition, the keyboard after-touch response gives the player the capability to add vibrato, tremolo, and brilliance changes according to the pressure he applies to the keys. These features make the single-note solo synthesizer ideal for lead lines—particularly when played simultaneously with the organ, poly-synth or string sections.

TREMOLO/ENSEMBLE CONTROLS

The tremolo control adds a realistic rotating speaker effect to the organ and poly-synth/string sounds. The Tremolo Speed control causes a gradual change in the speed of the tremolo effect—slow to fast or vice-versa—just like a mechanical rotating speaker. Ensemble can be added to the organ and poly-synth/string sounds for a rich, chorus-like effect.

The SK series keyboards even offer a rear-panel connector for direct connection to a real rotating speaker, with rotation speed

controllable from the front-panel Tremolo Speed button.

VIBRATO SECTION

These controls add vibrato to the organ and poly-synth/string sounds in the SK20, and to the poly-synth/string sounds in the SK30 and SK50D. Overall vibrato speed is adjusted by the Speed control, and a Delay control lets you adjust the time it takes for the vibrato to reach full depth (a function of the Depth control) once a key is depressed.

SK50D

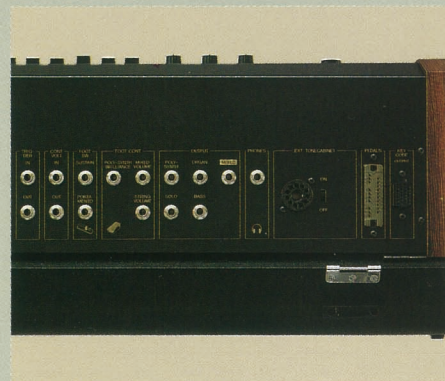
The Ultimate Multi-Keyboards

The SK50D is without a doubt the most complete multi-keyboard ever created. It effectively unites organ, strings, polyphonic synthesizer, solo synthesizer and bass in one portable instrument. Plus, it features the extensive versatility of dual 61-note keyboards. If your forte is multi-keyboards, the SK50D lets you concentrate all your musical energy on one superbly responsive, ultimately versatile instrument.



Rear Panel Connections

In addition to the main "mixed" output jack, the SK50D offers independent output connectors for the organ, poly-synth/strings, bass and solo synthesizer sections. Jacks are provided for foot pedal control of mixed volume, string volume and poly-synth brilliance, as well as footswitch control of sustain and solo synthesizer portamento. Control voltage and trigger input/outputs are included for interfacing the solo synthesizer with other Yamaha synthesizers, and a key code output connector permits "playing" other Yamaha instruments which feature a key code input from the SK50D keyboards. Also included are a headphone jack for private practice, a connector for the optional bass pedal unit, and an external tone cabinet connector.



SK30

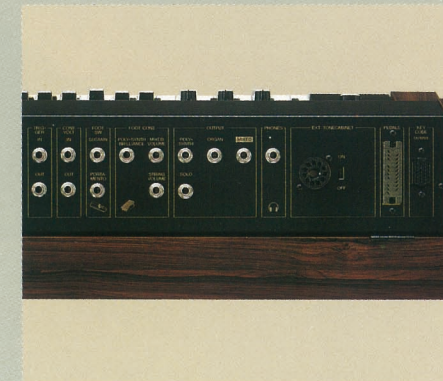
Full Multi-Keyboards Sound and Control

Offering an extensive complement of sound source sections—organ, strings, polyphonic synthesizer and solo synthesizer—plus vast sound control flexibility, the SK30 is capable of providing a full multi-keyboard sound in one instrument where many separate keyboards were previously required. Its single 61-note keyboard features a versatile split keyboard mode which can greatly expand your scope for creating new tonal combinations. If you want a "bigger" keyboard setup without having to add a multitude of individual keyboards, the SK30 is ideal for your needs.



Rear Panel Connections

Like the SK50D, the SK30 has a mixed output jack as well as independent output jacks for the organ, poly-synth/string and solo synthesizer sections. Jacks are provided for foot pedal control of mixed volume, string volume and poly-synth brilliance, as well as footswitch control of sustain and solo synthesizer portamento. Capability for interfacing with other Yamaha synthesizers is provided by control voltage and trigger input/outputs, and a key code output jack permits "playing" other Yamaha instruments that feature key code input from the SK30. Other rear panel features include a headphone jack for private practice, a connector for the optional bass pedal unit, and an external tone cabinet connector.



OUTPUT SECTION

The output section features a Master Volume control that sets the overall level of the rear-panel mixed and headphone outputs. Independent level controls are also provided which function as a mixer that lets you combine the outputs from each section at any desired level. A line out switch turns the mixed output on or off, permitting the output signal to be sent only to the headphone jack for private tuning (using the pitch controls) or practice.

SPLIT KEYBOARD FUNCTIONS

The SK30 and SK20 permit the keyboard to be "split" in two different modes: organ on all keys above the split marker (▼, between F# and G) and poly-synth/strings below the split marker, or poly-synth/strings on the upper keyboard section and organ on the lower keys. This unique split keyboard, which allows seven notes to be played on either side of the split, gives you vast capability for creating upper and lower keyboard tonal combinations that are ideal

for your playing style and music.

INSTANT PRESET SELECTION

The lower section of the SK keyboard control panels feature push-buttons for instantaneous selection of organ, poly-synth and string preset sounds, and the organ and poly-synth preset modes. On the SK30 and SK50D, Cancel buttons are also provided for quick sound changes without disturbing the "mix" set up by the output section level controls.

SK20

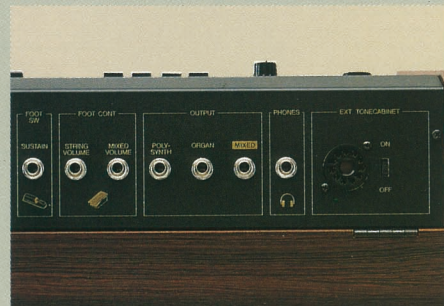
A Remarkably Versatile, Compact Multi-Keyboards

This surprisingly compact keyboard offers the enormous versatility of organ, strings and polyphonic synthesizer in a single instrument. Its independent sections can be played "mixed" or separately using the flexible split keyboard modes offered by its responsive 61-note keyboard. If you need broader sonic scope to make the most of your growing keyboard talent and technique, the SK20 offers more than enough room for creative expansion.



Rear Panel Connections

The SK20 rear panel features a mixed output jack as well as independent output jacks for the poly-synth and organ sounds. Jacks are also provided for foot pedal control of mixed volume and string volume, and footswitch sustain control. Other connectors include a headphone jack for private practice and an external tone cabinet connector.



NEW SK15

The Newest Member Of the SK Keyboard Family

The SK15 provides the same type of superb organ, string and polyphonic synthesizer sounds as the SK20, SK30 and SK50D, but with simplified, convenient operation and outstanding economy. And, since the technology used in the SK15 has been derived from that developed for the other SK keyboards, you still get an extensive range of control features and fully professional sound quality that will let you make the most of your creative keyboard talents. The organ section has five tone levers ranging from 16' to 2', 16' and 8' string tone levers give you broad control over the string sound, and the full-parameter poly-synth section makes it possible to create virtually any sound you'll need. You can modify the sounds you create using the built-in tremolo, ensemble and vibrato effects for even greater creative scope. Whether you use the SK15 as a stand-alone keyboard or as an add-on to your keyboard setup, you'll find that it offers much, much more than you could expect from other keyboards in this class.



SK10

Outstanding Value, Strictly Professional Sound

If you don't need the extensive sound control flexibility offered by the SK50D, SK30 or SK20, the SK10 is an excellent alternative. It provides rich organ, strings and brass sounds with a number of useful effects including a brilliance control, vibrato with variable speed and depth, Yamaha's superb ensemble effect, an octave transpose switch, and selectable attack and delay times. A pitch control lets you tune perfectly to other instruments, and an optional volume pedal (FC-3A) adds even more creative flexibility. A built-in headphone jack is also provided so you can practice in private—anywhere, anytime. In spite of its compactness and portability, the SK10 is a sophisticated keyboard instrument that offers professional quality sound with plenty of control versatility to make the most of your musical talents.

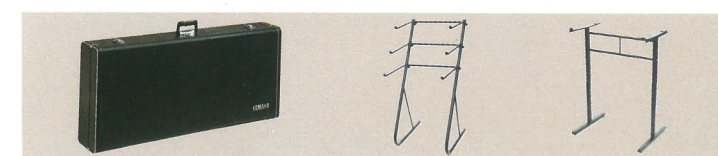


ACCESSORIES



Optional Pedals

The BP-2 bass pedal unit adds a complete pedal keyboard to your SK30 or SK50D, while the FC-3A volume pedal and FC-4 sustain/portamento pedal add foot control convenience to many symphonic ensemble functions.



SK Keyboard Cases/Keyboard Stands

Yamaha keyboard cases protect your SK keyboard while facilitating transport. Cases are available for all SK keyboards (SK50D case built in). Yamaha keyboard stands for one or three keyboards help organize your keyboard system and maintain the keyboards at the most comfortable playing height.

SK-SERIES SPECIFICATIONS

	SK-50D	SK-30	SK-20	SK-15	SK-10
KEYBOARD	UPPER...61 Keys, C ₁ –C ₆ , 5 octaves LOWER...61 Keys, C ₁ –C ₆ , 5 octaves	61 keys, C ₁ –C ₆ , 5 octaves	61 Keys, C ₁ –C ₆ , 5 octaves	49 Keys, C ₂ –C ₆ , 4 octaves	49 Keys, C ₂ –C ₆ , 4 octaves
OUTPUT section					
LINE OUT	ON/OFF SWITCH	ON/OFF SWITCH	ON/OFF SWITCH		
VOLUME	MASTER VOLUME	MASTER VOLUME	MASTER VOLUME	MASTER VOLUME	MASTER VOLUME
	SPLIT VOLUME: SOLO/UPPER ORGAN/LOWER ORGAN/ STRING/POLY-SYNTH	SPLIT VOLUME: SOLO/ORGAN/ STRING/POLY-SYNTH	SPLIT VOLUME: ORGAN/STRING/ POLY-SYNTH		
PITCH section	TUNE/POLY-SYNTH DETUNE/ SOLO TUNE	TUNE/POLY-SYNTH DETUNE/ SOLO TUNE	ORGAN/POLY-SYNTH	Pitch	PITCH, TRANSPOSE—OCTAVE UP
ORGAN section	UPPER ORGAN section				
	Tone Levers...16', 8', 5-1/3', 4', 2-2/3', 2', 1-3/5', 1-1/3', 1'	Tone Levers...16', 8', 5-1/3', 4', 2-2/3', 2', 1-3/5', 1-1/3', 1'	Tone Levers...16', 8', 5-1/3', 4', 2-2/3', 2', 1'	Tone Levers...16', 8', 5-1/3', 4', 2'	Tone levers...8', 4', 2'
	Tone selectors...ORGAN 1/2/3, MANUAL, CANCEL	Tone selectors...ORGAN 1/2/3, MANUAL, CANCEL	Tone selectors...ORGAN 1/2/3, MANUAL		
	PERCUSSIVE...2nd, 3rd, 5th, SUSTAIN (S ~ L), BRILLIANCE	PERCUSSIVE...2nd, 3rd, 5th, SUSTAIN (S ~ L), BRILLIANCE	PERCUSSIVE...2nd, 3rd, SUSTAIN (S ~ L), BRILLIANCE	PERCUSSIVE: 0 ~ 10 (3rd) SUSTAIN (S ~ L), BRILLIANCE	
	Decay (ON/OFF, Time)	Decay (ON/OFF, Time)	Decay (ON/OFF, Time)		
	LOWER ORGAN section				
	Tone selectors...ORGAN 1/2, CANCEL				
POLY-SYNTH section					
STRING selector	STRING 1/2/3, CANCEL	STRING 1/2/3, CANCEL	STRING 1/2	TONE Levers STRING 16' 8"	Tone Levers STRING 8' 4"
POLY-SYNTH selector	POLY-SYNTH 1/2/3, MANUAL, CANCEL, SLOW ATTACK, SUSTAIN (S ~ L), BRILLIANCE	POLY-SYNTH 1/2/3, MANUAL, CANCEL, SLOW ATTACK, SUSTAIN (S ~ L), BRILLIANCE	POLY-SYNTH 1/2/3, MANUAL	SLOW ATTACK	Tone Levers BRASS 8' 4"
	MODE.../III (1 layer, 2 layer selectable)	MODE.../III (1 layer, 2 layer selectable)			
	FEET...4", 8", 16', 32', 64', CUT OFF FREQ, RESONANCE, EG DEPTH, ATTACK TIME, DECAY TIME, SUSTAIN LEVEL, RELEASE TIME	FEET...4", 8", 16', 32', 64', CUT OFF FREQ, RESONANCE, EG DEPTH, ATTACK TIME, DECAY TIME, SUSTAIN LEVEL, RELEASE TIME	FEET...4", 8", 16', 32', 64', CUT OFF FREQ, RESONANCE, EG DEPTH, ATTACK TIME, DECAY TIME, SUSTAIN LEVEL, RELEASE TIME	FEET...8", 16', 32', 64', CUT OFF FREQ, RESONANCE, EG DEPTH, ATTACK TIME, DECAY TIME, SUSTAIN LEVEL, RELEASE TIME	
SOLO	VCO: FEET...4', 5-1/3', 8', 16', 32', 64'	VCO: FEET...4', 5-1/3', 8', 16', 32', 64'			
SYNTHESIZER	WAVE...[L] mixable	WAVE...[L] mixable			
section	PW...LFO/MANUAL/ EG selectable	PW...LFO/MANUAL/ EG selectable			
(Single-note, High-note priority)	VCF: CUT OFF FREQ, RESONANCE, MODULATION, EG DEPTH	VCF: CUT OFF FREQ, RESONANCE, MODULATION, EG DEPTH			
	VCA: HOLD/GATE/EG	VCA: HOLD/GATE/EG			
	EG: ATTACK TIME, DECAY TIME, SUSTAIN LEVEL, RELEASE TIME	EG: ATTACK TIME, DECAY TIME, SUSTAIN LEVEL, RELEASE TIME			
	MODE: NORMAL, BASS, MANUAL BASS	MODE: NORMAL, BASS, MANUAL BASS			
	LFO, PORTAMENTO, GLIDE	LFO, PORTAMENTO, GLIDE			
BASS section	Tone Lever...16', 8', ATTACK 8" SUSTAIN, BRILLIANCE				
EFFECTS	VIBRATO...POLY-SYNTH/STRING (DELAY, SPEED, DEPTH)	VIBRATO...POLY-SYNTH/STRING (DELAY, SPEED, DEPTH)	VIBRATO...ORGAN/POLY-SYNTH/ STRING (DELAY, SPEED/DEPTH) DEPTH	VIBRATO (DELAY, SPEED, DEPTH)	VIBRATO (SPEED, DEPTH) ATTACK (SLOW), SUSTAIN
	TREMOLO/ENSEMBLE...UPPER ORGAN, LOWER ORGAN, POLY-SYNTH, STRINGS	TREMOLO/ENSEMBLE...ORGAN, POLY-SYNTH, STRINGS	TREMOLO/ENSEMBLE...ORGAN, POLY-SYNTH, STRINGS	TREMOLO/ENSEMBLE...ORGAN, POLY-SYNTH	(SHORT, LONG), BRILLIANCE, ENSEMBLE (ORGAN, STRING, BRASS, SPEED)
	TREMOLO SPEED...TREMOLO effect, External rotating speaker	TREMOLO SPEED...TREMOLO effect, External rotating speaker	TREMOLO SPEED...TREMOLO effect, External rotating speaker	TREMOLO SPEED...TREMOLO effect	
	TOUCH CONTROL (SOLO)... VIBRATO, BRILLIANCE, MODULATION	TOUCH CONTROL (SOLO)... VIBRATO, BRILLIANCE, MODULATION			
		KEYBOARD SPLIT...POLY- SYNTH/ORGAN, ORGAN/POLY- SYNTH Split between F# and G marked ▼	KEYBOARD SPLIT...POLY- SYNTH/ORGAN, ORGAN/POLY- SYNTH Split between F# and G marked ▼		
REAR PANEL					
OUTPUT	MIXED (600Ω, -10 dBm) ORGAN, POLY-SYNTH, SOLO, BASS, Headphone Jack	MIXED (600Ω, -10 dBm) ORGAN, POLY-SYNTH, SOLO, Headphone Jack	MIXED (600Ω, -10 dBm) ORGAN, POLY-SYNTH, Headphone Jack	MIXED (600Ω, -10 dBm) Headphone Jack	MIXED Headphone Jack
FOOT CONTROL (to FC-3A)	CONNECTION...MIXED VOLUME, STRING VOLUME, POLY-SYNTH BRILLIANCE	CONNECTION...MIXED VOLUME, STRING VOLUME, POLY-SYNTH BRILLIANCE	CONNECTION...MIXED VOLUME, STRING VOLUME	MIXED VOLUME	MIXED VOLUME
FOOT SWITCH (to FC-4)	CONNECTION...SUSTAIN (ORGAN, POLY-SYNTH) PORTAMENTO (SOLO)	CONNECTION...SUSTAIN (ORGAN, POLY-SYNTH) PORTAMENTO (SOLO)	CONNECTION...SUSTAIN (ORGAN, POLY-SYNTH)		
EXT TONE CABINET	11-pin connector, ON/OFF SW.	11-pin connector, ON/OFF SW.	11-pin connector, ON/OFF SW.		
PEDALS	Bass Pedal connection	Bass Pedal connection			
KEY CODE	TTL level, key code data output	TTL level, key code data output			
OTHERS					
Power source*	General Model: 100, 120, 220 or 240V selectable, 50/60 Hz U.S. & Canadian Models: 100V, 120V selectable, 60 Hz				
Power consumption					
U.S. & Canadian					
Models	60 W	55 W	30 W	30 W	7 W
General Model	60 W	55 W	35 W	30 W	7 W
Dimensions	1128 x 237 x 642mm (without legs)	1089 x 178 x 474mm	1000 x 158 x 406mm	818 x 133.5 x 357mm	818 x 136 x 316 mm
(W x H x D)	(44-3/8" x 9-3/8" x 25-1/4")	(42-3/4" x 7" x 18-3/4")	(39-1/4" x 6-1/4" x 15-3/4")	(32-1/4" x 5-1/2" x 14-1/4")	(32 x 1/4" x 5-1/4" x 12-1/2")
Weight	48.2 kg (106.3 lbs)	22 kg (48.5 lbs)	15 kg (33.1 lbs)	10.3 kg (22.7 lbs)	12 kg (26.4 lbs)
Accessory	FC-3A Foot controller, Legs	FC-3A Foot controller			

Specifications subject to change without notice.

For details please contact:

SINCE 1887



YAMAHA

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN