

SPECIFICATIONS

		RG-7-R	RG-3M	RG-3	KR117M-R	KR115M-R	KR115-R	KR111	HP109		
<b>Keyboard</b>	<b>Keyboard</b>	88 keys (PHA II Ivory Feel Keyboard with Escapement)						88 keys (Progressive Hammer Action Keyboard)		88 keys (Progressive Hammer Action Keyboard with Escapement)	
	Automatic Keyboard Movement	Yes			No		Yes			No	
	<b>Touch Sensitivity</b>	100 levels			100 levels			3 types		4 types	
	<b>Keyboard Mode</b>	Layer (as layer tones, volume balance adjustable)			Whole, Split (adjustable split point)			Layer, Arranger, Piano Style Arranger, Manual Drums/SFX		Layer/Dual (volume balance adjustable)	
<b>Sound Generator</b>	<b>Piano Sound</b>	88-key Stereo Multi-sampled Piano Sound						Stereo Sampled Piano Sound			
	<b>Max. Polyphony</b>	128 voices						128 voices			
	<b>Tones</b>	20 tones (5 groups 4 variations) for manual performance, 600 internal tones for SMF playback (including 15 drum sets, SFX set)			6 groups 780 variations (including 8 tone wheel Organs, 17 drum sets, SFX set)			6 groups 400 panel tones, 10 drum sets, 1 SFX Set		5 groups 36 variations + 4 tones for Layer	
	<b>Temperament</b>	GM2/GS/XG Lite						GM2/GS/XG Lite			
	<b>Stretched Tuning</b>	8 types, selectable tonic						8 types, selectable tonic			
	<b>Master Tuning</b>	ON, OFF						ON, OFF			
	<b>Transpose</b>	415.3 Hz to 466.2 Hz (adjustable in increments of 0.1 Hz)			415.3 Hz to 466.2 Hz (adjustable in increments of 0.1 Hz)			427.4 Hz to 452.6 Hz (adjustable in increments of 0.1 Hz)		415.3 Hz to 466.2 Hz (adjustable in increments of 0.1 Hz)	
	<b>Effects</b>	Key Transpose (-6 to +5 in semitones), Playback Transpose (SMF Music Files: -24 to +24 in semitones, Audio CD/Audio File: -6 to +5 in semitones)			Key Transpose (-6 to +5 in semitones), Playback Transpose (-24 to +24 in semitones)			Key Transpose (-6 to +6 in semitones), Data Transpose (-24 to +24 in semitones), All Transpose (-6 to +6 in semitones)		Key Transpose (-6 to +5 semitones)	
<b>Equalizer</b>	Reverb (127 levels), Key Off Resonance (only for piano tones, 9 levels), String Resonance (only for piano tones, 9 levels), Damper Resonance (only for piano tones, 9 levels)			Reverb (12 types, 127 levels), Chorus, Rotary and 60 other types, Surround, Advanced 3D, Dynamic Emphasis (3 types), Key Off Resonance, String Resonance, Damper Resonance, Lid positioning, Hammer noise			Reverb (8 types), Chorus (8 types), Multi-FX (47 types)		Grand Space, Dynamic Emphasis, Piano Resonance (Key Off Resonance, String Resonance, Damper Resonance), Reverb (10 levels), Chorus (10 levels)		
<b>Other Functions</b>		Lid Lock, Panel Lock, V-LINK, Slide Show			Touch the Notes, Replay Pedal, Super Tones, Piano Designer, Visual Lesson, Wonderland/Game, Demo, Tone Audition, Panel Lock, User Image Display, BMP Export, V-LINK, Slide Show			Demo, V-LINK		Panel Lock, Song Backup, V-LINK, Memory Backup, Factory Reset	
		A/V Sync Input			A/V Sync Output/Input						
<b>Metronome</b>					Tempo: Quarter Note = 10 to 500, Beat: 2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8, Volume: 10 levels, Metronome Pattern: 11 patterns, Metronome Sound: 8 types			Tempo: Quarter Note = 10 to 500, Beat: 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 6/8, 9/8, Volume: 127 levels, Metronome Pattern: 1 pattern, Metronome Sound: 1 type		Tempo: Quarter Note = 10 to 500, Beat: 2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8, Volume: 10 levels	
<b>Composer/Recorder</b>	<b>Tracks</b>	1 track			5 tracks / 16 tracks			2 track		2 track	
	<b>Note Storage Resolution</b>	Approx. 30,000 notes			Approx. 30,000 notes			Approx. 10,000 notes		Approx. 10,000 notes	
<b>Arranger</b>	<b>Edit</b>	120 ticks per quarter notes						120 ticks per quarter notes			
	<b>Recording Method</b>	Copy, Quantize, Delete, Insert, Erase, Transpose, Part Exchange, Note Edit, PC Edit						Copy, Quantize, Delete, Insert, Erase, Transpose, Part Exchange, Note Edit, PC Edit			
	<b>Music Styles</b>	Realtime (Replace, Mix, Auto Punch In, Manual Punch In, Loop, Tempo), Step (Chord Sequencer), Beat Map			Realtime (Replace, Mix, Auto Punch In, Manual Punch In, Loop, Tempo), Step (Chord Sequencer), Beat Map			New Song/Single/Punch In/Out		New Song/Single/Punch In/Out	
	<b>Music Assistant</b>	6 groups 310 styles x 3 types (Style Orchestrator)			6 groups 285 styles x 3 types (Style Orchestrator)			170 Styles		170 Styles	
<b>Internal Memory</b>	<b>Programmable Music Styles</b>	Over 550 sets x 6 presets, Visual Music Assistant						180		180	
	<b>Melody Intelligence</b>	Style Converter, Style Composer						24 types		18 types	
<b>External Memory</b>	<b>Song</b>	Max. 199 songs			Max. 200 songs			Max. 200 songs		Max. 200 songs	
	<b>Other</b>	Max. 36 User Programs, Max. 99 User Program Sets			Max. 36 User Programs, Max. 99 User Styles, Max. 70 User Program Sets			Max. 36 User Programs, Max. 99 User Styles, Max. 70 User Program Sets		Max. 36 User Programs, Max. 99 User Styles, Max. 70 User Program Sets	
<b>Connectors</b>	<b>Media</b>	USB Memory (sold separately)						3.5" Floppy Disk (Connects to an optional floppy disk)		On-board 3.5" Floppy Disk Drive	
	<b>Playable Discs</b>	CD (Read only)*1			CD (Read only)			Standard MIDI Files (Format 0/1), Roland Original Format (i-Format)		Standard MIDI Files (Format 0/1), Roland Original Format (i-Format)	
<b>Display</b>	<b>Internal Songs</b>	Audio CDs (CD-DA), CD-ROM (SMF)			Audio CDs (CD-DA), CD-ROM (SMF)			Over 190 songs		61 songs	
	<b>Display</b>	Over 50 songs (including the Tone Demos)			Over 190 songs			61 songs		68 songs + 14 Tone Demo songs	
	<b>Built-in Display</b>	20 characters, 2 lines LCD			Bouncing Beat Indicator, Graphical Color LCD 320 x 240 dot (backlit LCD)			New large backlit custom display		7 segments, 3 characters (LED)	
	<b>External Display</b>	Song Select, Slide Show, Lyrics, DigiScore*2			Song Select, Lyrics			Song Select, Slide Show, Lyrics		Song Select, Slide Show, Lyrics	
<b>Connectors</b>	<b>Notation</b>	Grand staff / G Clef staff / F Clef staff, with note name /lyrics/ chords / fingering*2						Grand staff / G Clef staff / F Clef staff, with note name /lyrics/ chords / fingering*2			
	<b>Language</b>	English / Japanese / German / French / Spanish						English / Japanese / German / French / Spanish			
<b>Connectors</b>	<b>USB connector</b>	Ext Memory Port, USB connector (MIDI)						USB connector (MIDI)			
	<b>Ext Display jack (VGA, NTSC/PAL)</b>	Ext Display connector (15 pin D-Sub type), Video Out jack						FDD connector (USB)			
<b>Connectors</b>	<b>Other jack</b>	Main Input jacks (L/Mono, R):1/4 inch-phone type, Mic input jack, Headphone jack (Stereo) x 2, MIDI connectors (IN/OUT)						Main Input jacks (L/Mono, R):1/4 inch-phone type, Headphones jack (Stereo) x 2, MIDI connectors (IN/OUT)			
	<b>Other jack</b>	Main Output jacks (L/Mono, R): 1/4 inch phone type, Balanced Output jacks (L, R): XLR type, Level Fixed, Aux Output jacks (L/Mono, R): 1/4 inch-phone type, Aux Input jacks (L, R): RCA phono type			Output jacks (L/Mono, R): 1/4 inch-phone type			Main Output jacks (L/Mono, R): 1/4 inch phone type, Balanced Output jacks (L, R): XLR type, Level Fixed, Aux Output jacks (L/Mono, R): 1/4 inch-phone type, Aux Input jacks (L, R): RCA phono type		Main Output jacks (L/Mono, R): 1/4 inch-phone type	
<b>Others</b>	<b>Rated Power Output</b>	60 W x 2			50 W x 2			40 W x 2		70 W x 4	
	<b>Speakers</b>	16 cm x 2, 2.5 cm x 4			20 cm x 2, 5 cm x 2			20 cm x 2, 16 cm x 2, 8 cm x 2, 5 cm x 2		20 cm x 2, 5 cm x 2	
	<b>Control</b>	Volume, Brilliance, LCD Contrast, Mic Volume						Volume, Brilliance			
	<b>Pedal</b>	Volume Balance						Volume Balance			
	<b>Vocal Effects</b>	Damper Pedal (half-pedal recognition), Soft Pedal (half-pedal recognition, function assignable), Sostenuto Pedal (function assignable)						Damper Pedal, Soft Pedal, Sostenuto Pedal		Damper Pedal (half-pedal recognition), Soft Pedal (half-pedal recognition), Sostenuto Pedal (function assignable)	
	<b>Power Supply</b>	Echo (9 levels)						Echo, Transformer, Vocal Keyboard, Harmonist			
	<b>Power Consumption</b>	Harmony (7 types), Transformer (8 types)			Harmony (7 types), Transformer (8 types)			AC 115V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)		AC117V, AC 230V, AC240V	
	<b>Dimensions (including the caster cup)</b>	260 W			220 W			70 W		360 W	
<b>Weight</b>	1,460 (W) x 1,400 (D) x 1,010 (H) mm / 57-1/2 (W) x 55-1/8 (D) x 39-13/16 (H) inches			1480 (W) x 950 (D) x 930 (H) mm / 58-5/16 (W) x 37-7/16 (D) x 36-5/8 (H) inches			1,510 (W) x 1,580 (D) x 1,000 (H) mm / 59-1/2 (W) x 62-1/4 (D) x 39-3/8 (H) inches		1,480 (W) x 940 (D) x 930 (H) mm / 58-5/16 (W) x 37-1/16 (D) x 36-5/8 (H) inches		
<b>Accessories</b>	1,460 (W) x 1,400 (D) x 1,750 (H) mm / 57-1/2 (W) x 55-1/8 (D) x 68-15/16 (H) inches			1480 (W) x 950 (D) x 1420 (H) mm / 58-5/16 (W) x 37-7/16 (D) x 55-15/16 (H) inches			1,510 (W) x 1,580 (D) x 1,740 (H) mm / 59-1/2 (W) x 62-1/4 (D) x 68-9/16 (H) inches		1,480 (W) x 940 (D) x 1,440 (H) mm / 58-5/16 (W) x 37-1/16 (D) x 56-3/4 (H) inches		
	225 kg / 497 lbs			135 kg / 298 lbs			110 kg / 243 lbs		240 kg / 530 lbs		
	140 kg / 309 lbs			115 kg / 254 lbs			105 kg / 232 lbs		90 kg / 199 lbs		
	Owner's Manual, Power Cord, Maintenance Kit, Key Cover, Remote Control, Dry-cell Batteries, Caster Cups, Anti-theft lock screws						Owner's Manual, Power Cord, Headphones Hook, USB Cable		Owner's manual, Power Cord, Headphone Hook		
	USB Installation Guide, CD-ROM (Roland Digital Piano USB Driver)			USB Installation Guide, CD-ROM (Roland Digital Piano USB Driver)						USB Installation Guide, CD-ROM (Roland Digital Piano USB Driver)	
	CD (Music Disc with Vocals)			Roland 60 Classical Piano Masterpieces						Roland 60 Classical Piano Masterpieces	
	CD (Music Disc with Vocals)			CD (Music Disc with Vocals)						CD (Music Disc with Vocals)	

\*1 In order for the RG-3 to load and play music data from CD, it must be connected to a commercially available USB CD drive (sold separately). \*2 To publicly display notations, the RG-7-R, RG-3M, and RG-3 require an external display (sold separately).

System requirements of USB (MIDI)

Windows

●Operating System: Microsoft Windows Vista™ each edition/Microsoft Windows® XP Home Edition Service Pack 2 or later/XP Professional Edition Service Pack 2 or later  
●Computer: Windows-compatible personal computer equipped with a USB port ●CPU/Clock: Pentium processor 400 MHz or higher ●Memory (RAM): 256 MB or more

Macintosh

●Operating System: Mac OS X v10.2 or later ●Computer: USB ready Apple® Macintosh® ●CPU/Clock: PowerPC G3 233 MHz or higher ●Memory (RAM): 256 MB or more  
\* Mac OS X: The digital piano will not operate in the Mac OS X Classic environment. For more details of the latest information about system requirements, visit us online at www.Roland.com.