

Roland

ROLAND PIANO  
DIGITAL

RG-Series

*Super***NATURAL**  
*Piano*



DIGITAL GRAND SERIES

# Powered by our state-of-the-art SuperNATURAL Piano sound engine A true grand-piano experience

The characteristics, nuance, and power of a grand piano in a compact body.  
Natural and beautiful piano tone. Tone and touch that respond to the performer's heart.  
These models were designed to realize the richness and expression of an acoustic grand piano.  
Enjoy the beauty and elegance of an acoustic grand, meticulously realized with the new RG-3F and RG-1F.

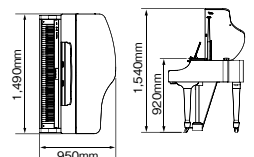


## RG-3F *SuperNATURAL* Piano

Grand-piano sound and quality in a compact and elegant body

The mirror-finish cabinet in Polished Ebony houses the SuperNATURAL Piano sound engine\*<sup>1</sup>, PHA III Ivory Feel keyboard\*<sup>2</sup>, and Progressive Damper Action pedal\*<sup>3</sup>. From top to bottom, this top-line model delivers the ultimate in tone, touch, and design. And because it's only 95cm (37-7/16") deep, the RG-3F can be placed in areas where it may be difficult to place traditional acoustic grand pianos, such as living rooms, hotel lounges, or restaurants. The fallboard, which features a mirror-finish on the inside, reflects the keyboard and performer's fingers just like a grand piano. It also comes with educational features, including a built-in metronome and recorder.

\*1 SuperNATURAL Piano sound engine [->P4] \*2 PHA III Ivory Feel keyboard with Escapement [->P4] \*3 Progressive Damper Action Pedal [->P5]



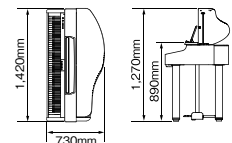


# RG-1F *SuperNATURAL Piano*

The grand piano, an object of aspiration for many, is now more affordable, compact, and perfect for smaller spaces such as living rooms

The RG-1F is only 73cm (29") deep. With its SuperNATURAL Piano sound engine\*1, PHA III Ivory Feel keyboard\*2, and Progressive Damper Action Pedal\*3 housed in its compact cabinet, the RG-1F offers the beauty and quality of a grand piano. Its Satin Black finish adds class to any room and is easy to care for. The control panel can be covered by the keyboard lid\*4 so you can concentrate on your performances without being distracted by buttons and indicators. At only 75kg (166 lbs), the RG-1F is lightweight and easy to move around. It offers a wide variety of built-in songs that you can use for background music and play-along practice. A metronome and recorder are built in for practice sessions and skill evaluation.

\*1 SuperNATURAL Piano sound engine [→P4] \*2 PHA III Ivory Feel keyboard with Escapement [→P4] \*3 Progressive Damper Action Pedal [→P5] \*4 Classic Position [→P5]



# QUALITY

## SuperNATURAL Piano sound engine provides the power and expression of an acoustic grand

Both RG-3F and RG-1F are equipped with our newly developed SuperNATURAL Piano sound engine, which was born by bringing together V-Piano technology and 88-key stereo multisampling. This new sound engine is the product of Roland's deep research of the characteristics of acoustic pianos, with the goal of faithfully reproducing the rich tone and true expression of a concert grand piano. 128-voice polyphony ensures seamless performance, even during the most dense and complex pieces.

### Perfect touch and response in every key

Each note of a grand piano has its own character, due to the fact that the strings are different sizes and lengths, use different materials, and are struck by hammers of different sizes. These differences create variations in the tonal color and resonance of each note. For the new SuperNATURAL Piano sound engine, we sampled all 88 notes of a variety of world-class pianos and used our unique digital technology to accurately reproduce the full, rich tone and unique personality of these fine acoustic instruments.

### True to the player's touch

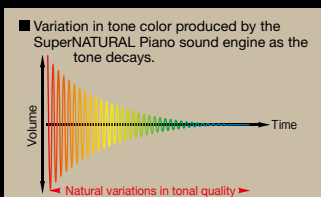
Pianos produce myriad differences not only in volume, but also in tone based on how forcefully the key is struck. Our latest technology, the SuperNATURAL Piano sound engine, delivers natural and seamless changes in tonal color in response to the player's touch. The expanded dynamic range supports the most advanced and subtle techniques, just as one would expect from an acoustic grand piano.



\*The graph and drawings are artistic illustrations

### Seamless note decay

The natural decay of notes and beautiful lingering tones are essential elements of a piano's sound. The decaying sound of an acoustic piano not only decreases in volume, but also gradually changes in color to a softer tone. The SuperNATURAL Piano sound engine replicates this natural decay, just like an acoustic grand.



\*The graph and drawings are artistic illustrations

## Inspiring creativity with Roland's powerful technologies

Both RG-3F and RG-1F feature "Piano Resonance", which faithfully reproduces the sympathetic vibrations\*<sup>1</sup> between strings, as well as other subtle nuances such as variations in lingering tones based on key-release speed\*<sup>2</sup>. It even replicates the resonance one hears while the damper pedal is depressed and the dampers move off the strings\*<sup>3</sup>. The RG-3F and RG-1F also feature "Piano Designer", which lets you customize all components of the piano's sound, even the position of the "virtual" grand piano lid.

\*1 String Resonance \*2 Key Off Resonance \*3 Damper Resonance

## The PHA III keyboard translate the emotions of the player into sound



Its natural touch is not produced by springs, but by the hammer's weight and movement. Just as in an acoustic piano, the lower notes feel slightly heavier and the higher notes feel lighter. The PHA III keyboard also faithfully replicates the unique response of grand pianos, where the keys move downward lightly when you play softly and give more resistance when you play more forcefully.

The acclaimed PHA III keyboard accurately responds to the player's touch, from the most subtle and delicate to the most bombastic technique. As the pianist's emotion and intention changes, so too does the piano's intonation. As the PHA III keyboard drives our SuperNATURAL Piano sound engine, subtle differences of articulation are faithfully reflected in the tone for a true grand-piano experience.



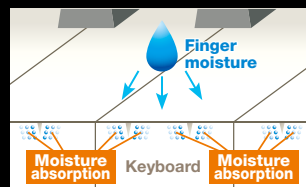
## The Ivory-Feel keyboard replicates the texture of ivory and ebony



Modeled after high-end acoustic grand pianos, the white and black key tops are made of a material that replicates the unique appearance and texture of real ivory and ebony keys.

The white keys consist of a two-piece "surface over base material" construction to create the same appearance you would find on an acoustic piano. It also reduces the noise of fingernails tapping the keys.

Thanks to its moisture-absorbing characteristics, the Ivory-Feel keyboard feels better the more you play it.



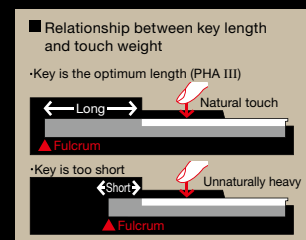
▲ A comfortable texture has been achieved thanks to new materials with moisture-absorbing characteristics.

## Simulated "escapement" replicates the feel and response of a grand piano

Press a key slowly and you will feel the resistance increase gradually and then become lighter again. This occurs on acoustic pianos when the hammer releases or "escapes" from the key mechanism. By replicating this, the PHA III keyboard further enhances the superb response and expression of Roland pianos.

## Roland pays attention to intricate, important details such as these

The length of the hidden portion of the keys has been lengthened as much as possible so the fulcrum is located farther back on the keys. This reduces the difference in touch response from the front to the rear of the keys, replicating the longer keys and superior response of a grand piano.

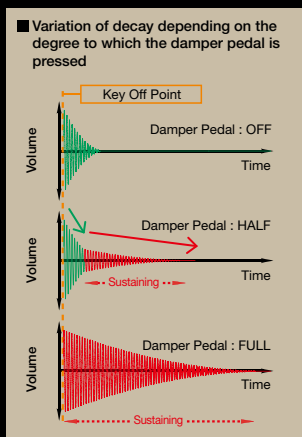
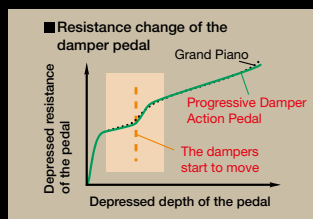


\*The graph and drawings are artistic illustrations

## Progressive Damper Action Pedal



The RG-3F and RG-1F feature Roland's new Progressive Damper Action Pedal mechanism, which closely replicates the pedal response of acoustic pianos. When you first start to press the damper pedal it offers lighter resistance, but as you press it farther, the resistance increases just as it does on an acoustic piano. This new design enables more accurate pedaling response. The depth of the damper pedal allows subtle control of tonal decay by letting you easily find the point where the damper pedal effect starts to work, and by continuous detection of the depth of the pedal. The damper pedal can also accurately express the unique sound decay when "half pedaling". The sound immediately decays to a certain degree of volume after key release, and is then sustained with rich resonances just as when the damper pedal is fully depressed. As a result, this pedal can accurately convey the techniques of even the most demanding pianists.



\*The graph and drawings are artistic illustrations

## DESIGN

### The beauty of a grand piano in a space-saving cabinet

Physical grand-piano attributes, such as the elegant shape with hinged lid, have been incorporated into the RG-series' compact cabinets. The RG-3F is available in a polished-ebony finish. The inner side of the fallboard reflects the keyboard and performer's fingers to create a look that is true to acoustic grand pianos. The fallboard closes slowly and safely when let go. With a satin-black finish that blends well with any type of decor, the RG-1F has a keyboard lid that can cover the control panel to create a clean, authentic appearance\*. Concentrate on your performances without being distracted by buttons and indicators. With sets of three pedals, where the left and right pedals curve outward, the RG-3F and RG-1F have been built to provide a true piano experience.

\* Classic Position

### The design takes into account usability and safety as well

The number of buttons on the operation panel has been kept to a minimum. The panel also features an easy-to-view LCD. You can check the names of the playback songs as well as menu actions on this

display. Additionally, an I/O panel is located at the bottom front of the instrument for easy connection to headphones, USB memory keys, and CD drives. Safety features include a prop-lock mechanism (prevents the piano lid's propping rod from coming off) and anti-tip hardware\*<sup>1</sup> for preventing the unit from tipping over, giving peace of mind to users with small children. The RG-3F/1F's lightweight lid is easy to open and close. The height of the lid can be adjusted to two positions\*<sup>2</sup>, and lid locks are built-in to protect to the lid from closing accidentally.



▲RG-3F

\*1 RG-1F \*2 RG-3F

## LESSONS & ENTERTAINMENT

### Features only available in the digital realm help expand your musical universe

The recorder function lets you easily record, play back, and save your performances. This offers numerous benefits for both performance and practice. The ability to hear yourself privately on headphones has always been a major advantage of digital instruments, since it allows you to play anytime, day or night, without disturbing others.

### Enjoy playing your favorite songs along with full backing tracks

Both RG-3F and RG-1F come with a wide range of built-in songs, ranging from classical to jazz. In addition, you can play commercially available SMF music files or audio files stored on a standard USB flash memory device (sold separately). With the optional Roland CD-01A CD Drive, you can even play back and play along with songs directly from a standard audio CD. During playback of the built-in songs or SMF music files from a USB memory key, you can mute right-hand, left-hand and backing part individually. Since you can alter both the key and tempo independently, you can slow down playback when learning a new piece or find a more comfortable key for a song with which you want to sing along. During playback of audio files from USB memory, you can also alter key and tempo independently, as well as minimize the lead vocal or instrument via the "Center Cancel" function. Both models also boast over 300 GM2/GS tones with layer and split capability to support almost any musical performance or study.



▲RG-3F

## Specifications RG-3F/RG-1F

<b>Keyboard</b>	88 keys (PHA III Ivory Feel Keyboard with Escapement)	<b>External Memory</b>	
<b>Touch Sensitivity</b>	Touch: 100 levels / Fixed Touch, Hammer Response: Off, 1-10	<b>External Storage</b>	USB Flash Memory (sold separately)
<b>Keyboard Modes</b>	Whole, Dual (volume balance adjustable), Split (split point adjustable)	<b>Playable Song Format</b>	Standard MIDI Files (Format 0/1), Roland Original Format (i-Format), Audio File (WAV 44.1 kHz / 16-bit Linear Format), Audio CDs (CD-DA) (when using an optional CD drive)
<b>Sound Generator (Conforms to GM2 / GS / XG Lite)</b>		<b>Song Save Format</b>	Standard MIDI Files (format 0)
<b>Piano Sound</b>	SuperNATURAL Piano Sound	<b>Other</b>	
<b>Max. Polyphony</b>	128 voices	<b>Internal Songs</b>	60 songs
<b>Tones</b>	337 tones (including 8 drum sets, 1 SFX set)	<b>Connectors</b>	AC inlet, Pedal Connector, Input jacks (1/4 inch phone type) (L/Mono, R), Input jacks (RCA phono type) (L/Mono, R), Output jacks (1/4 inch phone type) (L/Mono, R), USB (MIDI) connector, MIDI connectors (IN, OUT), Headphone jack (Stereo) x 2, External memory connector (USB)
<b>Temperaments</b>	8 types [Equal, Just (Major), Just (Minor), Arabic, Kirnberger, Meantone, Pythagorean, Werckmeister], selectable temperament key	<b>Rated Power Output</b>	[RG-3F] 60 W x 2 [RG-1F] 40 W x 2
<b>Stretched Tuning</b>	Off / Preset / User tuning (adjustable in individual notes)	<b>Volume Level (SPL)*</b>	[RG-3F] 111dB [RG-1F] 108dB
<b>Master Tuning</b>	415.3 to 466.2 Hz (adjustable in increments of 0.1 Hz)	<b>Speakers</b>	20 cm x 2, 5 cm x 2
<b>Transpose</b>	Key Transpose: -6 to +5 (in semitones) Playback Transpose (with Audio CD / Audio File): -6 to +5 (in semitones)	<b>Display</b>	20 characters, 2 lines LCD
<b>Effects</b>	Reverb (Off, 1-10), [Only for Piano Tones] Key Off Resonance (Off, 1-10), String Resonance (Off, 1-10), Damper Resonance (Off, 1-10), Cabinet Resonance (Off, 1-10), Open / close lid (7 levels), Hammer Noise (5 levels), Damper Noise (Off, 1-10), Tone Character (-5 - +5), Duplex Scale (Off, 1-10) [Only for Organ Tones] Rotary Speaker Effect (Slow/Fast)	<b>Controls</b>	Volume, Brilliance, LCD Contrast
<b>Equalizer</b>	4-band Digital Equalizer	<b>Pedals</b>	Damper (Progressive Damper Action Pedal, capable of continuous detection), Soft (capable of continuous detection, function assignable), Sostenuto (function assignable)
<b>User Program</b>	Internal : 36, User Memory : Max. 99 User Program Sets, USB Memory : Max. 99 User Program Sets	<b>Other Functions</b>	Panel Lock, Playback Lock, V-LINK
<b>Recorder</b>		<b>Power Consumption</b>	[RG-3F] 140 W [RG-1F] 95 W
<b>Tracks</b>	1 track	<b>Cabinet</b>	[RG-3F] Polished Ebony [RG-1F] Satin Black
<b>Songs</b>	Recorder section: 1 song, Internal Memory: Max. 99 songs	<b>Accessories</b>	Owner's Manual, Power Cord, Headphone Hook, Maintenance Kit (RG-3F), Key Cover, Caster Caps (RG-3F), Brackets (RG-1F)
<b>Note Storage</b>	Approx. 30,000 notes	<b>Dimensions</b>	RG-3F: [with top opened] 1,490 (W) x 950 (D) x 1,540 (H) mm, 58-11/16 (W) x 37-7/16 (D) x 60-11/16 (H) inches [with top closed] 1,490 (W) x 950 (D) x 920 (H) mm, 58-11/16 (W) x 37-7/16 (D) x 36-1/4 (H) inches RG-1F: [with top opened] 1,420 (W) x 730 (D) x 1,270 (H) mm, 56 (W) x 29 (D) x 50 (H) inches [with top closed] 1,420 (W) x 730 (D) x 890 (H) mm, 56 (W) x 29 (D) x 36 (H) inches
<b>Controls</b>	Song Select, Play / Stop, Rec, Rewind to the top of the song, Rewinding, Fast-forwarding, Track Mute, Mute Volume, Tempo, All Songs Play, Count-in (only for Music files playback), Song Volume, Center Cancel (only for audio playback)	<b>Weight</b>	[RG-3F] 110 kg / 243 lbs [RG-1F] 75 kg / 166 lbs
<b>Tempo</b>	Quarter note = 10 to 500, Audio Playback Speed: 75 - 125 %		
<b>Resolution</b>	120 ticks per quarter note		
<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: 11 levels		
<b>Internal Memory</b>			
<b>Songs</b>	Max. 99 songs		
<b>Song Save Format</b>	Standard MIDI Files (Format 0)		

\*These figures were measured according to the method that is based on Roland's technical standard.

■ In the interest of product improvement, the specifications and/or appearance of those units are subject to change without prior notice.

## Options

● Headphones RH-A30	● Headphones RH-300	● Headphones RH-L20	● Headphones RH-5	● USB Flash Memory M-UF2G	● USB CD Drive CD-01A
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## Ensuring high quality while protecting the environment: Roland is ISO9001 and ISO14001 certified

At Roland, several group companies have obtained ISO9001 certification. In addition, in January 1999, Roland also received ISO14001 international environmental management system certification. We're actively seeking ways to maintain harmony with the environment.

(ISO=International Standardization Organization: an organization for the promotion of standardization of international units and terms. They provide different categories of certification: ISO9001 Series certification is a product quality certification for products that undergo a certain level of quality control from the design stage to the after service stage; ISO14001 Series certification is for environment-related standards. Each member of the Roland Group is striving to obtain certification.)




## Tree-planting project in Indonesia

The wood used to make our digital-piano cabinets is imported from Indonesia. In 2008, Roland designated a 100-hectare area for tree planting, where the company has been planting trees for environmental purposes. The area contains a mixture of protected forest and trees designated for digital-piano-cabinet production. This reforestation project is expected to offset approximately 10,000 tons of CO2 over a period of 20 years.



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WE DESIGN THE FUTURE

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