

Roland

ROLAND PIANO  
DIGITAL

LX-10F

*Super***NATURAL**  
*Piano*



# Elegant, sophisticated, and streamlined ... a digital piano that warms hearts and homes



## LX-10F SuperNATURAL Piano

Its gorgeous upright cabinet adds a touch of class to any environment. SuperNATURAL Piano engine delivers world-class sound and feel. Experience the joy of authentic piano performance with the LX-10F.

### QUALITY & DESIGN

#### The "SuperNATURAL Piano sound engine" delivers the power and expression of an acoustic grand

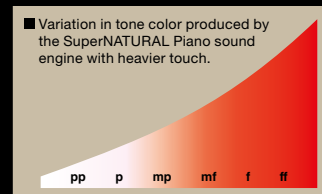
The LX-10F is equipped with our newly developed SuperNATURAL Piano sound engine, which was born by bringing together V-Piano technology and 88-key stereo multisampling. This new sound engine is the product of Roland's deep research of the characteristics of acoustic pianos, with the goal of faithfully 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

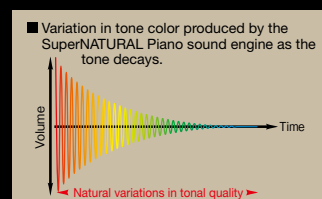
Pianos produce myriad differences not only in volume, but also in tone based on how forcefully the key is struck. Our latest technology, the SuperNATURAL Piano sound engine, delivers natural and seamless changes in tonal color in response to the player's touch. The expanded dynamic range supports the 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

The LX-10F features "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 LX-10F features "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

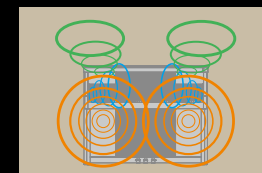
#### Stunning, Streamlined Cabinet

The LX-10F's polished ebony and satin-black hybrid finish beautifully complement each other. The look is strong and bold, yet the depth of the piano is just 45.3cm (17-7/8"). The fallboard's interior has a mirror finish that reflects the keyboard and moving fingers in the style of a grand piano, bringing a sense of visual enjoyment to your playing. The fallboard can be used as a music rest when opened. It closes slowly and gently, combining both safety and aesthetic grace. Cables can be neatly hidden in the rear of the piano, allowing the LX-10F to be easily placed against a wall. It can even be set up in the center of a room since the rear of the piano has an attractive appearance.



#### Natural, Rich Sound with Built-In Speakers

The LX-10F is equipped with the specially designed "Grand Piano Presence II six-component Sound System". By taking advantage of the piano's vertical cabinet chamber, and installing six speakers in optimal positions, the LX-10F is able to produce sounds that emanate from the entire instrument, filling the room with rich, resonant sound. In addition to its beautiful appearance, the lid also shapes the piano's overall tonal character. It can be closed and opened, which allows the lid to vary the tone from mellow to bright.



▲Grand Piano Presence II six-component Sound System

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



Its natural touch is not produced by springs, 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.

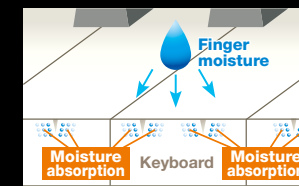


#### The Ivory-Feel keyboard replicates the texture of ivory and ebony



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.



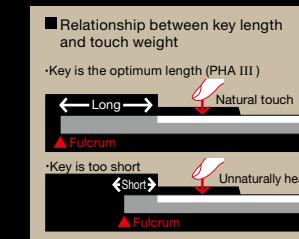
▲A comfortable texture has been achieved thanks to new materials with moisture-absorbing characteristics.

#### 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.



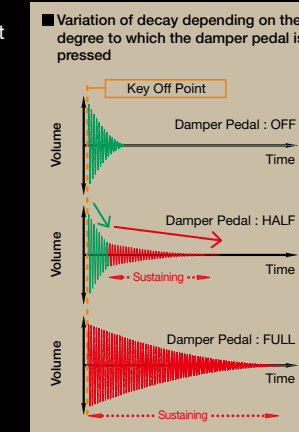
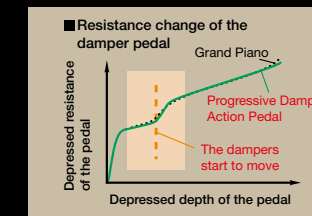
\*The graph and drawings are artistic illustrations

#### Progressive Damper Action Pedal



The LX-10F features 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 then is sustained with rich resonances just as when the damper pedal is fully pressed. As a result, this pedal can accurately convey the techniques of even the most demanding pianists.

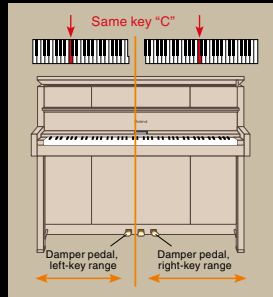


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# LESSONS & ENTERTAINMENT

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

A 3-track recorder lets you easily record, play back, and save your performances. This offers numerous benefits for both performance and practice, including the ability to work with left- and right-hand parts separately. The "Twin Piano" function lets you split the keyboard left and right into two regions, each with its own middle "C" and damper pedal. Two players wearing headphones can then play completely independently without hearing one another (Individual Twin-Piano), a great application for "partner" lessons or piano labs. Of course, 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

The LX-10F comes 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 alter or mute individual tracks, such as a piano solo, to create an exciting ensemble performance. 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. The LX-10F also boasts over 300 GM2/GS tones with layer and split capability to support almost any musical performance or study.



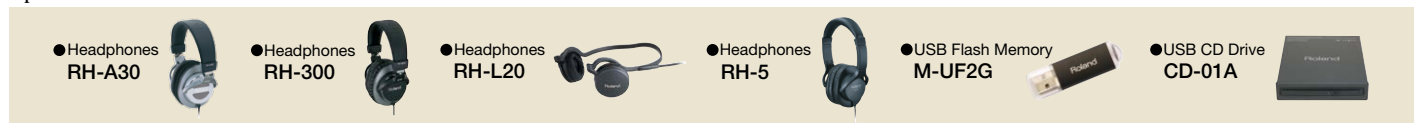
### Specifications

Keyboard	
Keyboard	88 keys (PHA III Ivory Feel Keyboard with Escapement)
Touch Sensitivity	Touch: 100 levels / Fixed Touch, Hammer Response: Off, 1-10 levels
Keyboard Modes	Whole, Dual (volume balance adjustable), Split (split point adjustable), Twin Piano
Sound Generator (Conforms to GM2 / GS / XG Lite)	
Piano Sound	SuperNATURAL Piano Sound
Max. Polyphony	128 voices
Tones	337 tones (including 8 drum sets, 1 SFX set)
Temperaments	8 types (Equal, Just (Major), Just (Minor), Arabic, Kirnberger, Meantone, Pythagorean, Werckmeister), selectable temperament Key
Stretched Tuning	Off / Preset / User tuning (adjustable in individual notes: -50.0 to +50.0 cent)
Master Tuning	415.3 to 466.2 Hz (adjustable in increments of 0.1 Hz)
Transpose	Key Transpose: -6 to +5 (in semitones) Playback Transpose (with Audio CD / Audio File): -6 to +5 (in semitones)
Effects	Reverb (Off, 10 levels) [Only for Piano Tones] Key Off Resonance (Off, 10 levels), String Resonance (Off, 10 levels), Damper Resonance (Off, 10 levels), Open/close lid (7 levels), Cabinet Resonance (Off, 10 levels), Hammer Noise (5 levels), Damper Noise (Off, 10 levels), Duplex Scale (Off, 10 levels) [Only for Organ Tones] Rotary Speaker Effect (Slow/Fast)
Equalizer	4-band Digital Equalizer
Recorder	
Tracks	3 tracks
Songs	Recorder section: 1 song, Internal Memory: Max. 99 songs
Note Storage	Approx. 30,000 notes
Controls	Song Select, Play/Stop, Rec, Rewinding, Fast-forwarding, Previous song, Next song, Track Mute, Mute Volume, Tempo, Tempo Mute, All Song Play, Count-in, Song Volume, Center Cancel (only for audio playback)
Tempo	Quarter note = 10 to 500, Audio Playback Speed: 75 - 125 %
Resolution	120 ticks per quarter note
Metronome	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, Sound: 8 types, Pattern: 11 patterns
Internal Memory	
Songs	Max. 99 songs
Song Save Format	Standard MIDI Files (Format 0)

External Memory	
External Storage	USB Flash Memory (sold separately), Floppy Disk (when using an optional floppy disk drive)
Playable Song Format	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)
Song Save Format	Standard MIDI Files (Format 0)
Other	
Internal Songs	74 songs
Connectors	AC inlet, Pedal connector, Input jacks (L/Mono, R), Output jacks (L/Mono, R), USB connector, MIDI connectors (In, Out), Phones jack (Stereo) x 2, External Memory connector
Rated Power Output	60 W x 2
Volume Level(SPL)*1	110 dB
Speakers	16 cm x 2 (with Speaker box), (8 cm x 12 cm) x 2, 5 cm x 2
Display	128 x 64 dots Graphic monochrome LCD (with backlight), Beat LED
Languages	English, Japanese
Lyrics	Yes (Built-in Display)
Controls	Volume, LCD Contrast
Pedals	Damper (Progressive Damper Action Pedal, capable of continuous detection), Soft (capable of continuous detection, function assignable), Sostenuto (function assignable)
Other Functions	Panel Lock, V-LINK
Power Consumption	140 W
Cabinet	Polished Ebony + Satin Black
Accessories	Owner's Manual, Power Cord, Roland 60 Classical Piano Masterpieces, Headphone Hook, Cord Clamps (*2), Stabilizer (*2), Felt (*2)
Dimensions	[with top lid opened] 1,410 (W) x 453 (D) x 1,124 (H) mm 55-9/16 (W) x 17-7/8 (D) x 44-1/4 (H) inches [with top lid closed] 1,410 (W) x 446 (D) x 1,070 (H) mm 55-9/16 (W) x 17-9/16 (D) x 42-1/8 (H) inches
Weight	93.6 kg / 206 lbs 6 oz

\*1 These figures were measured according to the method that is based on Roland's technical standard. \*2 Supplied with the stand.  
■ In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

### Options



### 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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