

# HP507/HP505/HP503

## Digital Pianos

SuperNATURAL Piano

Acoustic Projection

GENERAL MIDI 2

XG XGlite

PHA III

IVORY FEEL

IVORY FEELS

Escapement

PDA PEDAL

MIDI VISUAL CONTROL

USB

USB MEMORY

(HP507/505)

(HP507/505)

(HP507/505)

(HP503)

# A New Standard in Organic Sound, Expression, and Realism

Roland's acclaimed SuperNATURAL Piano Sound Engine evolves with Acoustic Projection technology — an innovative, multi-dimensional sound system built into the new HP500-series pianos. Acoustic Projection is inspired by the flagship V-Piano Grand and its ability to reproduce the natural sound field of an acoustic piano. The marriage of Roland's world-leading technologies in the HP500-series empowers pianists with a complete, immersive acoustic-piano experience.

- ▶ Natural, organic multi-dimensional sound field of an acoustic piano produced by Acoustic Projection technology (HP505/507)
- ▶ SuperNATURAL Piano sound engine with seamless tonal changes according to touch, plus beautiful decay and faithful reproduction of the differences in tone between each key
- ▶ PHA III (Progressive Hammer Action III) Ivory Feel Keyboard with Escapement (HP505/507) and Progressive Damper Action Pedal
- ▶ Play classical piano masterpieces using the authentic sounds (such as true fortepiano) they were written for
- ▶ Elegant and bold design; HP500-series pianos are perfect for traditional or contemporary interiors
- ▶ Onboard LCD offers user-friendly operation with straightforward front-panel layout
- ▶ Energy-saving technology achieves powerful and dynamic sound with lower power consumption



■ HP507 Control Panel

### HP507



Polished Ebony



Simulated Rosewood



Satin Black



Polished Ebony



HP507-PE (Polished Ebony finish)  
\* Actual bench may vary.

HP505

HP503



Simulated Rosewood



Satin Black



Simulated Rosewood



Satin Black

## Innovative Acoustic Projection Sound System

The unique sound space that is created when you play an acoustic piano — the resonance between strings and the resonance from the piano's frame or body — is realized through a complex and yet harmonious combination of elements. The HP507 and HP505 create this realistic sound space through innovative Acoustic Projection technology, which marries the multi-dimensional sound system found in the flagship V-Piano Grand with our SuperNATURAL Piano sound engine. Acoustic Projection delivers its magic through a multi-channel speaker system, with each speaker located properly to project each sound element in its natural position. The sound elements from each speaker are intelligently blended to reproduce the true soundfield of an acoustic piano.

## SuperNATURAL Piano Engine

All three of the new HP-series pianos incorporate Roland's SuperNATURAL Piano technology for seamless velocity response, natural note decay, and authentic key-range behavior to reproduce perfect piano sound and expression. Tone color changes seamlessly in response to touch, accurately translating the player's emotions. Tone decay is natural and organic, with the decaying sound not only decreasing in volume, but also gradually changing in color to a softer tone. Each note has its own character, which creates variations in tonal color and resonance of each note.

## Authentic Fortepiano Tones Onboard

In addition to the selection of onboard grand-piano sounds, the new HP500 series features a newly added Early Piano category containing four fortepiano variations and two harpsichord variations. Masterpieces composed by maestros such as Mozart, Beethoven, and Chopin can be played with the original sounds from the period. The appreciation and understanding for the piece is heightened when using the instrument that was actually used by the composers. You can also play these early piano sounds with built-in historic temperaments which are ideal to play with other classical instruments.

## Real-Feel Keyboards

The HP507 and HP505 are equipped with Roland's flagship PHA III (Progressive Hammer Action III) Ivory Feel keyboard with Escapement.

The HP503 contains an Ivory Feel-S keyboard with Escapement. With fast key-repetition and sensitivity, these keyboard faithfully translates into sound the subtle differences in tones from different playing styles and force at which they are played. The keys are finished with material that provides moisture-absorbing properties, resulting in a keyboard with the natural texture and tactile sensation of real ivory and ebony.

## Progressive Damper Action Pedal

The HP500 series is equipped with "Progressive Damper Action Pedals" that have light resistance at the beginning of the stroke and more resistance the instant they begin to take effect, just like real acoustic pianos. This makes it easy for the performer to know when the pedals begin to take effect, and also allows half-pedal techniques for subtle control of aftertones and resonance. This pedal can accurately convey the techniques of the most demanding pianists.

## Built-In Audio/MIDI Recorder with Flexible Control (HP507/505)

The built-in recorder lets you capture your performances as audio and/or MIDI data — a convenient feature for pianists, as well as students who want to evaluate their playing (HP507/505/503). Connect an external digital music player to the input jacks, play a song file, and the HP507 and 505 can transpose it in real time. You can even minimize the melody of an audio song using the Center Cancel function. Play along and capture your performance as audio data. Recorded audio data can be saved onto USB Memory, and copied to an external computer for making audio CDs or for uploading to the Internet.

\*USB memory is required for audio recording.

\*\*The HP503 captures your performance, as well as play backed SMF data as audio data.

## Ease of Use

The simple and intuitive control panels afford quick and easy access to the HP500 series' numerous features and applications. LCD panels provide the ideal visual interface with the instrument.

## Environment-Conscious Design

All HP500-series pianos achieve low power consumption while still delivering high-impact performance. They also feature an Auto Off function, which, when activated, automatically switches the power off after a specified period of inactivity; inactivity time is selectable from 10 minutes, 30 minutes (default), 240 minutes, and off.

### HP507/HP505/HP503 Specifications

[ **Keyboard** ] ■ **Keyboard** HP507/HP505: 88 keys (PHA III Ivory Feel Keyboard with Escapement), HP503: 88 keys (Ivory Feel-S Keyboard with Escapement) ■ **Touch Sensitivity** HP507: Key Touch: 100 levels, Fixed Touch, Hammer Response: Off, 10 levels, HP505/HP503: Key Touch: 5 levels, Fixed Touch ■ **Keyboard Modes** Whole, Dual (volume balance adjustable), Split (split point adjustable), Twin Piano ■ **Pedals** Damper (Progressive Damper Action Pedal, capable of continuous detection), Soft (capable of continuous detection), Sostenuto (function assignable) [ **Sound Generator (Conforms to GM2/GS/XG lite)** ] ■ **Piano Sound** SuperNATURAL Piano Sound ■ **Max. Polyphony** 128 voices ■ **Tones** Grand Piano: 10 tones, Early Piano: 6 tones, E.Piano: 10 tones, Strings: 14 tones, Other: 307 tones (including 8 drum sets, 1 SFX set) ■ **Temperaments** 8 types, selectable temperament key ■ **Stretched Tuning** HP507: Preset, User tuning (adjustable in individual notes: -50.0 ~ +50.0 cent), Off, HP505/HP503: On, Off ■ **Master Tuning** 415.3 Hz ~ 466.2 Hz (adjustable in increments of 0.1 Hz) ■ **Transpose** Key Transpose: -6 ~ +5 (in semitones), Playback Transpose: -6 ~ +5 (in semitones) ■ **Effects** HP507/HP505/HP503: Ambience (Off, 10 levels), Brilliance (Off, -10 to 0 to 10), HP507: Only for Piano Tones (Piano Designer): Open/close lid (7 levels), Soundboard Behavior (Off, 10 levels), Cabinet Resonance (Off, 10 levels), Hammer Noise (5 levels), Damper Noise (Off, 10 levels), Duplex Scale (Off, 10 levels), Damper Resonance (Off, 10 levels), String Resonance (Off, 10 levels), Key Off Resonance (Off, 10 levels), Only for Organ Tones: Rotary Speaker Effect (Slow/Fast) HP505/HP503: Only for Piano Tones: Soundboard Behavior (Off, 10 levels), Cabinet Resonance (Off, 10 levels), Damper Resonance (Off, 10 levels), String Resonance (Off, 10 levels), Key Off Resonance (Off, 10 levels), Only for Organ Tones: Rotary Speaker Effect (Slow/Fast) [ **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 [ **SMF Recorder** ] ■ **Tracks** 3 tracks ■ **Song Save Format** Standard MIDI Files (Format 0) ■ **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, Part Mute, Mute Volume, Tempo, Mute Mute, All Songs Play, Count-in, Song Balance, AB Repeat ■ **Tempo** Quarter note = 10 to 500 ■ **Resolution** 120 ticks per quarter note [ **Audio/Audio CDs** ] ■ **Playback** File Format: Audio File (WAV 44.1 kHz/16-bit linear format), Audio CDs (CD-DA) (when using optional CD drive) ■ **Recording** (HP507/HP505/HP503: with Keyboard, SMF data, HP507/HP505: Audio from Input jacks) File Format: Audio File (WAV 44.1 kHz/16-bit linear format) ■ **Transpose** Playback Transpose (HP507/HP505: with Audio from Input jacks): -6 ~ +5 (in semitones) ■ **Tempo** Audio Playback Speed: 75 ~ 125 % ■ **Controls** Song Select, Play/Stop, Rec, Rewinding, Fast-Forwarding, Previous Song, Next Song, Tempo, All Songs Play, Song Balance, AB Repeat, Center Cancel (HP507/HP505: with Audio from Input jacks) [ **Internal Memory** ] ■ **Songs** Max. 99 songs ■ **Song Save Format** Standard MIDI Files (Format 0) [ **External Memory** ] ■ **External Storage** USB Flash Memory ■ **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 optional CD drive) ■ **Song Save Format** Standard MIDI Files (Format 0), Audio File (WAV 44.1 kHz/16-bit linear format) [ **Other** ] ■ **Internal Songs** Piano Masterpieces: 75 songs, Selection: over 10 songs, Hanon: 20 songs, Czerny #100: 100 songs ■ **Rated Power Output** HP507: 60 W x 2, 10 W x 2, HP505: 30 W x 2, 5 W x 2, HP503: 12 W x 2 ■ **Volume Level (SPL)** HP507: 110 dB, HP505: 107 dB, HP503: 105 dB \*1 ■ **Speakers** HP507: Cabinet Speakers (16 cm x 2 with speaker box), Nearfield Speakers (5 cm x 2), Spatial Speakers (12 x 8 cm x 2), HP505: Cabinet Speakers (12 cm x 2), Spatial/Nearfield Speakers (5 cm x 2), HP503: 12 cm x 2 ■ **Display** HP507: Graphic monochrome LCD 122 x 32 dots, HP505/HP503: Custom LCD ■ **Language** English ■ **Control** Volume (Slider) ■ **Other Functions** Panel Lock, MIDI Visual Control ■ **Connectors** AC inlet (HP507), DC In jack (HP505/HP503), Pedal connector, Input jacks (L/Mono, R): RCA phono type (HP507/HP505), Input jack: Stereo miniature phone type (HP503), Output jacks (L/Mono, R): 1/4-inch phone type, USB COMPUTER port, USB MEMORY port, MIDI connectors (In, Out), Phones jack (Stereo, with Twin Piano Individual Mode) x 2: Stereo 1/4-inch phone type ■ **Power Consumption** HP507: 34 W (31 W - 85 W) \*2, HP505: 11 W (10 W - 36 W) \*3, HP503: 8 W (5 W - 32 W) \*4 ■ **Dimensions (including piano stand)** HP507: [ With Music Rest ] 1,405 (W) x 498 (D) x 1,129 (H) mm; 55-3/8 (W) x 19-5/8 (D) x 44-1/2 (H) inches [ When folding down the music rest ] 1,405 (W) x 498 (D) x 956 (H) mm; 55-3/8 (W) x 19-5/8 (D) x 37-11/16 (H) inches, HP505: [ With Music Rest ] 1,387 (W) x 429.5 (D) x 1,071.4 (H) mm; 54-5/8 (W) x 16-15/16 (D) x 42-3/16 (H) inches [ When folding down the music rest ] 1,387 (W) x 457.3 (D) x 899 (H) mm; 54-5/8 (W) x 18-1/16 (D) x 35-7/16 (H) inches, HP503: [ With Music Rest ] 1,387 (W) x 429 (D) x 1,036 (H) mm; 54-5/8 (W) x 16-15/16 (D) x 40-13/16 (H) inches, [ Without Music Rest ] 1,387 (W) x 429 (D) x 860 (H) mm; 54-5/8 (W) x 16-15/16 (D) x 33-7/8 (H) inches ■ **Weight (including piano stand)** HP507-RW/HP507-SB: 80.5 kg; 177 lbs 8 oz, HP507-PE: 82.5kg; 181 lbs 15 oz, HP505-RW/HP505-SB: 55.5kg; 122 lbs 6 oz, HP505-PE: 57.5kg; 126 lbs 13 oz, HP503: 52.5 kg; 115 lbs 12 oz ■ **Accessories** HP507/505/503: Owner's Manual, Roland 60 Classical Piano Masterpieces, Headphone Hook \*5, HP507: Power Cord, HP505/HP503: AC Adaptor, Power Cord (for AC Adaptor) ■ **Options (sold separately)** USB Flash Memory, USB CD Drive (CD-01A)

\*1 These figures were measured according to the method that is based on Roland's technical standard.

\*2 34 W: Average power consumption while piano is played with volume at center position, 31 W: Power consumption immediately after power-up; nothing being played, 85 W: Rated power consumption

\*3 11 W: Average power consumption while piano is played with volume at center position, 10 W: Power consumption immediately after power-up; nothing being played, 36 W: Rated power consumption

\*4 8 W: Average power consumption while piano is played with volume at center position, 5 W: Power consumption immediately after power-up; nothing being played, 32 W: Rated power consumption

\*5 Supplied with the stand.

\* All specifications and appearances are subject to change.