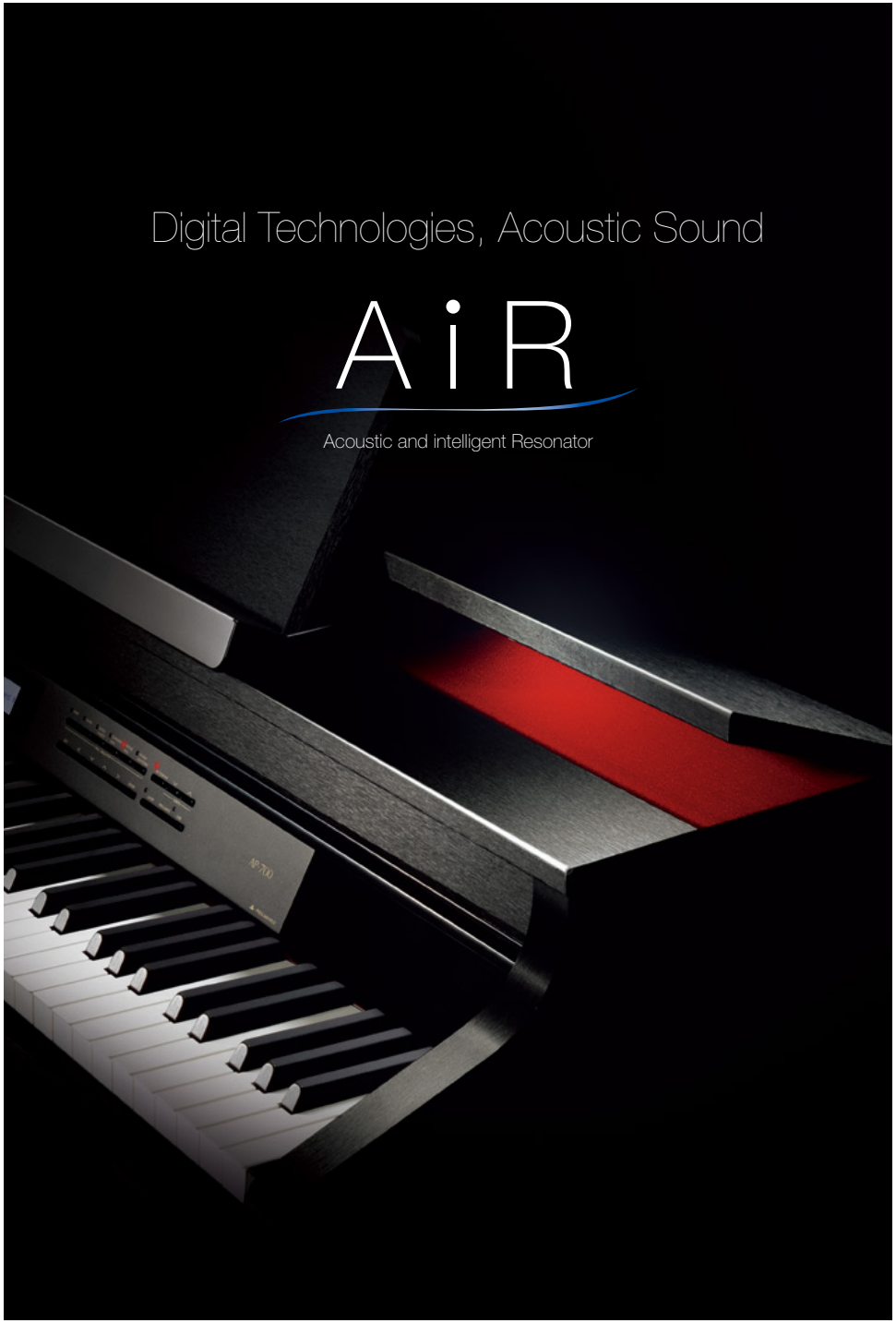
CASIO

CASIO DIGITAL PIANO

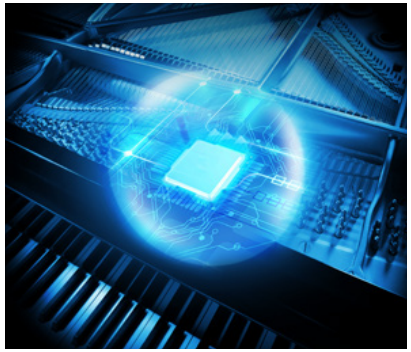
2017-2018



Performing a Symphony of Tradition and Innovation

Beautifully rich, abundant grand piano sound achieved through Casio's advanced technologies

Only grand pianos go beyond bundling single tones to produce full, deep, finely detailed reverberations. The Multi-Dimensional Morphing AiR Sound Source developed through the application of innovative Casio technologies has opened the door to playing styles, beyond the reach of conventional digital pianos, that give three-dimensional expression to changes in reverberations occurring with the passage of time. The new AiR Grand Sound Source has made it possible, moreover, to reproduce a tonal quality sourced from three world-renowned full concert grand pianos. The individual characteristics of each concert grand are gathered together in a single piano keyboard. The resulting union of the piano's music-making tradition with Casio's original advanced technologies has engendered harmonious resonances, producing a new symphony. Every pianist or listener finds full satisfaction in the rich, beautiful reverberations.



AP-470BK shown with optional bench

AP-470

AP-470BK

AP-470WE

[Sound] • Multi-dimensional Morphing AiR Sound Source • 256-note polyphony (maximum) • Half-damper Pedal • String Resonance • Damper Resonance • Lid Simulator • Acoustic Lid
[Touch] • Tri-sensor Scaled Hammer Action Keyboard II • Hammer Response • Key Off Simulator • Key Action Noise • Simulated Ebony and Ivory Keys
[Features] • 10 Concert Play songs • Audio Recorder (WAV format) • 22 tones • Digital effects: hall simulator, chorus, brilliance, DSP • Lesson feature using 60 Music Library songs plus 10 user-loaded songs • Duet Mode • Headphone Mode • Volume Sync EQ • Connection to the Chordana Play for Piano app • MIDI Recorder • USB TO HOST and USB TO DEVICE • PHONES / OUTPUT: 2 (Stereo standard) multi-use OUTPUT terminal • Slide-type keyboard cover • 2-way 4-speaker system (20W + 20W)

AP-270

AP-270BK

AP-270WE

[Sound] • Multi-dimensional Morphing AiR Sound Source • 192-note polyphony (maximum) • Half-damper Pedal • String Resonance • Damper Resonance
[Touch] • Tri-sensor Scaled Hammer Action Keyboard II • Simulated Ebony & Ivory Keys • Hammer Response
[Features] • 10 Concert Play songs • 22 tones • Digital effects: reverb, chorus, brilliance, DSP • Lesson feature using 60 Music Library songs plus 10 user-loaded songs • Duet Mode • Connection to the Chordana Play for Piano app • MIDI Recorder • USB TO HOST • PHONES / OUTPUT: 2 (Stereo standard) multi-use OUTPUT terminal • Slide-type keyboard cover • 2-speaker system (8W + 8W)

Privia PRO

ARRANGER PIANO PX-560M

PX-560MBE
Blue

STAGE PIANO PX-5S

PX-5SWE
White

"Riveting. It's just amazing. Don't buy a new stage piano until you try this one."

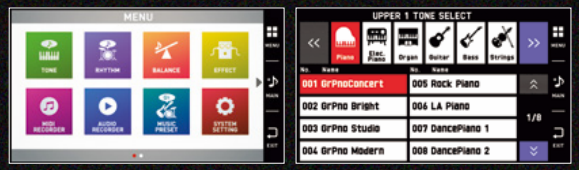
-Keyboard Magazine

Keyboard KEYBUY AWARD

Touch Your Music

Front and center is Casio's new Color Touch Interface. Its bright, 5.3" display is clear and easy to read, and the interface is inspiring yet simple. You'll see familiar graphics to help you select instruments and functions, making exploring the PX-560M fun and easy. You'll find yourself experimenting with new ideas, new sounds, and new ways of creating music.

5.3" Color Touch Interface



The Piano

Casio's Multi-Dimensional AiR Sound Source delivers some of the best piano sounds. Its Linear Morphing technology creates smooth transitions between the softer and louder sounds. Damper Resonance gives you the deep feeling of the piano's soundboard interacting with the strings. String Resonance models the harmonic relationships between vibrating strings. Hammer Response mimics the time between pressing the key and the hammer striking the strings. Key Off Simulation gives you control of a note's decay by how quickly the key is released. And with a massive 256 notes of polyphony, they combine to form the perfect and complete experience of playing a 9-foot concert grand piano.

Take The Stage

The PX-560M is designed to perform, and to make you sound your best. You'll be delighted at how light weight it is (just over 26 pounds), and how easily you can integrate it into your live setup. Its 1/4" outputs and inputs give you great connectivity for PA systems and multi-keyboard rigs, and its dual pedal inputs can be configured to accept an expression pedal, damper pedal, or footswitches.

Bring The Band

PX-560M includes 650 Tones, covering a huge variety of musical instruments and genres. There are dynamic and expressive guitars, basses, strings, drums, and much more, enhanced by powerful onboard DSP effects. The 220 onboard Rhythms allow multiple instruments to follow your playing, creating a backing band that plays in the style of your choice. You can also even assemble 30 customized User Rhythms by combining basslines, drum beats, and other elements, and create 100 of your own Music Presets, which encompass a Rhythm, Tones, effects, and built-in chord progressions.

A Built-in Studio

The PX-560M gives you two ways to make sure your work is preserved. There is a 17-track MIDI recorder with editing features, and a USB audio recorder that creates an audio file directly onto a USB stick. You can create the sounds you want to play, record and edit MIDI songs with them, then add external instruments via the audio inputs, and capture the whole mix to share with the world.

Powered by AiR

At the heart of the PX-5S Stage Piano is Casio's proprietary AiR sound source which provides incredible realism, detail and expression for grand piano sounds. In the PX-5S, the power of AiR has been expanded to provide stunning fidelity and control over other instrument tones and effects with 256 notes of polyphony.

AiR
Acoustic and intelligent Resonator

Old School, New Class

In addition to Privia's award winning grand piano sounds, the PX-5S has an arsenal of newly developed sounds including classic electric piano, harpsichord and clav sounds. Some of these tones are complete with release samples, amplifier and speaker simulations for an incredibly authentic experience.

New Sonic Territory

The PX-5S redefines what a stage piano should be, providing an arsenal of other sounds and creative tools including 4 arpeggiators and Casio's powerful "Hex-Layer" synth engine.

Serious Control

The PX-5S is a powerful four zone controller, complete with 4 knobs and 6 sliders all of which are completely configurable to control internal sounds, effects parameters or send continuous controllers to other gear. Each zone on the PX-5S can control an internal sound, an external MIDI device or both simultaneously.

Stage Settings

The PX-5S has 100 completely user configurable Stage Settings which are arranged in 10 banks of 10 each. When you're within a bank, each Stage Setting is just one button press away allowing you to seamlessly switch configurations during a live show. Stage Settings can easily be edited, moved or replaced using the PX-5S's Data Manager software.

Hex Layers

Hex Layers were originally introduced in the award winning XW-P1 synthesizer. Due to the power of the AiR sound source, PX-5S takes them several steps further. A Hex Layer is a single complex tone that can be made up of six sample layers. These can be stacked (layered), split or velocity switched. Each of those six layers gets its own filter (LP, HP, BP) and filter envelope, its own AMP envelope and pitch envelope (all 7 stage envelopes). You can even have layers that are triggered on key-release. A Hex Layer tone gets its own insert effect but you can choose if a layer uses that insert or the amount that goes to the system effects (chorus, delay, reverb). Best of all, the PX-5S can use two Hex Layer tones simultaneously.

Privia

Smart & Free

From Stylish & Compact to Smart & Free
More sophisticated, more original,
a new Privia style bordering on perfection
sounds a new future for the piano.

PX-870

PX-870BN
Brown

PX-870BK
Black

PX-870WE
White

Sound Projection

A newly developed sound system projects sound upward and downward like a grand piano. The sound is not confined inside the instrument, but passes out naturally through the speakers to realize a deep listening sensation like that produced by a grand piano.

[Sound] • Multi-dimensional Morphing AiR Sound Source • 256-note polyphony (maximum) • Half-damper Pedal • String Resonance • Damper Resonance • Lid Simulator
[Touch] • Tri-sensor Scaled Hammer Action Keyboard II • Hammer Response • Key Off Simulator • Key Action Noise • Simulated Ebony and Ivory Keys
[Features] • 10 Concert Play songs • Audio Recorder (WAV format) • 19 tones • Digital effects: hall simulator, chorus, brilliance, DSP • Lesson feature using 60 Music Library songs plus 10 user-loaded songs • Headphone Mode • Volume Sync EQ • Connection to the Chordana Play for Piano app • MIDI Recorder • USB TO HOST and USB TO DEVICE • PHONES / OUTPUT: 2 (Stereo standard) multi-use OUTPUT terminal • Slide-type keyboard cover • 2-way 4-speaker system (20W + 20W)

PX-870BK shown with optional bench

PX-770WE shown with optional bench

Privia

PX-770

PX-770BK
Black

PX-770BN
Brown

PX-770WE
White

[Sound] • Multi-dimensional Morphing AiR Sound Source • 128-note polyphony (maximum) • Half-damper Pedal • Damper Resonance
[Touch] • Tri-sensor Scaled Hammer Action Keyboard II • Hammer Response • Simulated Ebony and Ivory Keys
[Features] • 10 Concert Play songs • 19 tones • Digital effects: reverb, chorus, brilliance, DSP • Lesson feature using 60 Music Library songs plus 10 user- loaded songs • Connection to the Chordana Play for Piano app • MIDI Recorder • USB TO HOST • PHONES / OUTPUT: 2 (Stereo standard) multi-use OUTPUT terminal • Slide-type keyboard cover • 2-speaker system (8W + 8W)

PX-780M

PX-780MBK
Black

Pitch Bend Wheel

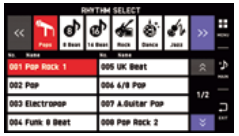
Full-dot LCD with backlight

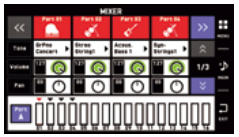
[Sound] • Multi-dimensional Morphing AiR Sound Source • 128-note polyphony (maximum) • Half-damper Pedal • Damper Resonance
[Touch] • Tri-sensor Scaled Hammer Action Keyboard II • Hammer Response • Simulated Ebony and Ivory Keys
[Features] • Audio Recorder (WAV format) • 250 tones • 180 rhythms and patterns for piano play • Rhythm Editor (10 user rhythms) • Registration (96 setups) • Music Preset feature (300 presets and 50 user areas) • Digital effects: reverb, chorus, brilliance, DSP • Lesson feature using 60 Music Library songs plus 10 user-loaded songs • MIDI Recorder • USB TO HOST and USB TO DEVICE • LINE IN / OUT jacks (L / MONO, R for each) • Slide-type keyboard cover • 2-way 4-speaker system (20W + 20W)

Privia

PX-360M

PX-360MBK
Black





5.3" Color Touch Interface

[Sound] • Multi-dimensional Morphing AiR Sound Source • 128-note polyphony (maximum) • Half-damper Pedal* *Optional SP-33 3-pedal unit • String Resonance • Damper Resonance
[Touch] • Tri-sensor Scaled Hammer Action Keyboard II • Hammer Response • Key Off Simulator • Simulated Ebony and Ivory Keys
[Features] • Audio Recorder (WAV format) • 550 tones • 200 rhythms • Rhythm Editor (10 user rhythms) • Registration (96 setups) • Music Preset feature (305 presets and 50 user areas) • Digital effects: reverb, chorus, delay, brilliance, DSP • Pitch Bend Wheel • MIDI Recorder • USB TO HOST and USB TO DEVICE • LINE IN / OUT jacks (L / MONO, R for each) • 4-speaker system (8W + 8W)

PX-350M

PX-350MBK
Black

PX-350MWE
White

Full-dot LCD with backlight

Pitch Bend Wheel

USB TO DEVICE

[Sound] • Multi-dimensional Morphing AiR Sound Source • 128-note polyphony (maximum) • Half-damper Pedal* *Optional SP-33 3-pedal unit • Damper Resonance
[Touch] • Tri-sensor Scaled Hammer Action Keyboard II • Hammer Response • Simulated Ebony and Ivory Keys
[Features] • Audio Recorder (WAV forma) • 250 tones • 180 rhythms • Rhythm Editor (10 user rhythms) • Registration (96 setups) • Music Preset (300 presets and 50 user areas) • Digital effects: reverb, chorus, brilliance, DSP • MIDI Recorder • USB TO HOST and USB TO DEVICE • LINE IN / OUT jacks (L / MONO, R for each) • 4-speaker system (8W + 8W)

Privia

PX-160

PX-160BK
Black

• Example configuration of PX-160BK with optional CS-67PBK stand and optional SP-33 3-pedal unit

PX-160GD
Champagne gold

• Example configuration of PX-160GD with optional CS-67PWE stand and optional SP-33 3-pedal unit

PX-160WE
White

• Example configuration of PX-160WE with optional CS-67PWE stand and optional SP-33 3-pedal unit

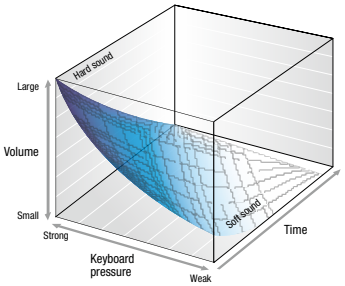
[Sound] • Multi-dimensional Morphing AiR Sound Source • 128-note polyphony (maximum) • Half-damper Pedal* *Optional SP-33 3-pedal unit • Damper Resonance
[Touch] • Tri-sensor Scaled Hammer Action Keyboard II • Hammer Response • Simulated Ebony and Ivory Keys
[Features] •18 tones • Digital effects: reverb, chorus, brilliance, DSP • Lesson feature using 60 Music Library songs plus 10 user-loaded songs • MIDI Recorder • 2-speaker system (8W + 8W)

Sound

Expression in three dimensions of changes in reverberations in response to the keyboard touch and passage of time

[Multi-dimensional Morphing AiR* Sound Source]

Casio's original Multi-Dimensional Morphing AiR* Sound Source extends sounds beautifully, naturally reproducing the changes in reverberations, characteristic of the piano, occurring with the passage of time as the sound dies away. The pianist can control everything down to even the length of the lingering sounds by varying the force with which the keys are struck, just as with an acoustic piano. Not only does the volume change in response to the touch on the keys, but the nuances of the sound itself, from extremely weak, delicate ***ppp*** (pianississimo) to astonishingly powerful ***fff*** (fortississimo), are reproduced in smooth, borderless transitions. A stereo resonance simulator has been incorporated for all 88 keys, moreover, reproducing the full string resonance of a grand piano more naturally.



[AiR* Grand Sound Source combining the tones of 3 legendary grand pianos] (AP-700)

The newly developed AiR* Grand Sound Source was achieved through deployment of advanced technologies in pursuit of the tonal qualities of three world-renowned full concert grand pianos. Every effort has been made to represent the finest characteristics of each instrument in reproducing the tones and reverberations as well as such effects as the sound reflection after keys are struck.

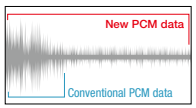
*AiR = Acoustic and Intelligent Resonator

Berlin Grand	Balanced, elegant sound with a clearly defined shape. A clarity of sound and tone for melodies that are graceful and richly colored. Ideal for playing impressionistic music.
Hamburg Grand	Brilliant, richly resonant sound full of dynamism and power. A sound loved by many pianists for its breadth of expression. Well suited to a wide range of playing styles and genres.
Vienna Grand	An impressive low range particularly suited to exquisite, softly played pieces. A richly expressive yet profoundly tranquil sound. The ideal instrument for classical music.

New sampling technology pursuing the ultimate expressive power of an acoustic piano

[Higher Capacity Memory]

The acoustic level achieved by a digital piano is determined by the capacity of the memory that stores sounds after sampling. A new high-capacity memory, boasting a capacity in excess of approximately three times our previous models (converted linearly), is installed for the Multi-dimensional Morphing AiR Sound Source. The waveform data sampling capacity has increased dramatically, enabling natural reproduction of the delicate changes in waveforms associated with concert grand pianos. The sound quality and resonance have achieved astonishing evolution, realizing an ability to produce simultaneous sounds comprising up to 256 notes in high-end models (AP-700, AP-650M, AP-470, PX-560M, PX-5S, PX-870).



Sound source memory expanded to reproduce original sounds more naturally!

[Lossless Audio Compression]

Digital pianos normally compress and record sound waveform data in their built-in memory. This data is then expanded and played back when recalled. As in the case of compressed audio data such as MP3, therefore, the played-back sound simply cannot avoid deterioration with respect to the original sound. But the advanced Lossless Audio Compression technology adopted for Casio's Multi-dimensional Morphing AiR Sound Source has made it possible to reproduce sounds without this deterioration of the original sound quality. This permits enjoyment of musical performances with acoustics that are immeasurably closer to natural piano sounds.

* The contents of pages 19-22 do not refer to models CDP-235R and CDP-135. * Illustrations and graphs are conceptual images for reference purposes only.

88-key stereo resonance simulator reproducing a deep acoustic piano resonance

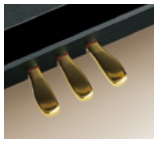
[String Resonance]

The sound produced by an acoustic piano is not only the sound associated with the keys that are struck. Other strings with frequencies closely associated with those producing the sounds resonate as well, adding their sound to give the music a uniquely rich resonance. In ordinary digital pianos, this string resonance effect is reproduced virtually with strings. The Multi-dimensional Morphing AiR Sound Source takes a different approach, however, by adopting a String Resonance system incorporating a stereo resonance simulator for all 88 keys. The resonance of the 88 keys is reproduced completely and naturally. The resonance realized by playing a single tone is differentiated from that realized by playing a chord to reproduce the resulting variations in resonance in a natural manner. This even enables players to achieve varying resonances, controlling them at will by the strength of their touch, and thus to realize performances with the unique expressiveness of an acoustic piano.

* AP-700, AP-650M, AP-470, PX-560M, PX-5S, PX-870 and PX-360M only

[Damper Resonance]

The deep, beautiful resonance resulting from the use of a damper pedal is also reproduced naturally by a stereo resonance simulator installed on all 88 keys, an approach that differs from conventional simulated reproduction employing effect processing. The attention to detail goes so far as to simulate the resonance created by the lifting of the dampers themselves when the pedal is pressed. A continuously variable system*1 has been adopted for the damper pedal, moreover, reproducing even the subtle changes in reverberation that occur in response to the delicate pressure exerted by partial pedal operation. This enables players to employ pedal operation to achieve gracefully expressive performances.



*1 AP-700, AP-650M, AP-470 and PX-870 only

[Equalizing Technology]

With an acoustic piano, the strings' vibrations are amplified by the soundboard, generating sound from throughout the instrument. Casio's new equalizing system imparts a unique sensation of three-dimensional depth and creates a natural sound space. It represents yet another advance in the pursuit of optimal sound and playing pleasure.

[Lid Simulator]

The volume and timbre of sound produced by a grand piano change depending on the degree to which the lid is open or closed. The Lid Simulator simulates these acoustic effects digitally. Pianists can select among four settings for opening and closing stages and enjoy playing music with the piano sound effect of their choice.

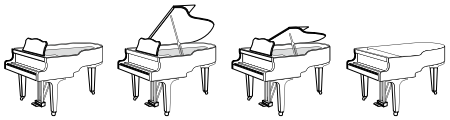
* AP-700, AP-650M, AP-470, PX-5S and PX-870 only
* The PX-5S's Lid Simulator serves as a DSP.
* The Lid Simulator's setting value remains unchanged, regardless of whether the piano's top board is open or closed.

[Openable Top Board Design]

The external designs of the AP-700, AP-650M and AP-470 models feature a lid on top that can be opened and closed. Opening the lid enables the pianist to play music with abundant dispersed sound, much like that produced by a grand piano with its lid open.

* AP-700, AP-650M and AP-470 only

The 4 stages of a grand piano's lid opening and closing have been investigated and imitated.



[Lid removed] [Full-open] [Semi-open] [Closed]

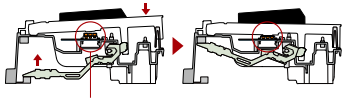
Touch

[Tri-sensor Scaled Hammer Action Keyboard II]

The difference between the sound structures of a grand piano and a digital piano appears as a difference in timing, from the moment the instrument is played until the sound is audible. The new Tri-sensor Scaled Hammer Action Keyboard II responds by incorporating a system with three sensors that detect keystrokes sequentially. This permits minute variations in the time between detection of a keystroke and sound production, depending on the speed of the keystroke. The sensor system also enables a sound to be produced continuously, even when the key has not fully returned to its resting position, a feature assuring excellent playability when the same note is struck repeatedly. Also as in a grand piano, moreover, the action mechanism relies solely on the weight of the hammer, with absolutely no springs employed, thus providing both a definite playing response and a smooth touch. The keys become progressively heavier as the sound becomes lower and progressively lighter as the sound becomes higher, faithfully simulating this characteristic of a grand piano.

Three sensors are installed to match a grand piano's keyboard action.

The period between the time a keystroke is detected and the sounding response occurs is controlled by the strength of the keystroke. Sounding occurs when playing ends.

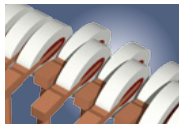


Striking a key, and 3 sensors detect the action sequentially.

[Hammer Response]

Patented (Japan)

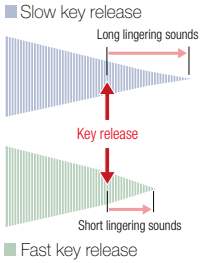
The sizes of the hammers that strike the strings differ among the various key blocks in a grand piano. The sounding timing consequently varies subtly, even when keys are struck with the same strength. The new keyboard system carefully reproduces these differences in sound production timing from one register to another. It even simulates the differences in sound production timing according to the force with which a key is struck.



[Key Off Simulator]

The lengths of the lingering sounds produced by a grand piano vary depending on the speed at which players release their fingers after pressing the keys. In a similar fashion, Casio's Key Off Simulator controls the length of these sounds based on the key's release speed. This enables players to express delicate nuances when playing staccato and legato.

* AP-700, AP-650M, AP-470, PX-560M, PX-5S, PX-870 and PX-360M only



[Simulated Ebony and Ivory Keys]

The simulated ebony and ivory keys offer the luxurious feel and texture as well as the smooth touch of a grand piano keyboard. The minutely detailed crimp surface finish inhibits finger slippage due to sweat and gives the sensation of a perfect fingertip fit, even when playing for extended periods.

* The contents of pages 19-22 do not refer to models CDP-235R and CDP-135. * Illustrations and graphs are conceptual images for reference purposes only.

Features

[Hall Simulator*1]

The Hall Simulator function simulates the differing acoustic characteristics of world-famous concert halls, from pure reverberation with outstanding tonal transparency to free-spirited, dazzling reverberation. An advanced equalizing system assures the pianist's full enjoyment of vital piano sound.

*1 AP-700, AP-470 and PX-870 only

Hall Simulator settings

- Dutch Church
- Standard Hall
- Berlin Hall
- French Cathedral
- Room*2
- Salon*2

*2 AP-700 only

[Concert Play*1]

High-quality audio data recordings of live orchestra performances are installed. Pianists can play along with the recordings and enjoy the feeling of participating in a magnificent performance. Musical scores of the concerts are bundled.

*1 AP-700, AP-470, AP-270, PX-870 and PX-770 only

Installed music

- Je Te Veux
- Vltava (Má vlast)
- Canon
- Tableaux d'Une Exposition "Promenade"
- Piano Concerto No.20 K.466 2nd Mov.
- Polovetzian Dance (Prince Igor)
- Sonate K.331 1st Mov.
- Violin Concerto Op.64 1st Mov.
- Jesus, Bleibet Meine Freude
- Melody In F
- Piano Concerto No.1 Op.23 1st Mov.*2
- Prelude "Raindrop"*2
- Symphony No.9 "An Die Freude"*2
- Sonate Op.13 "Pathétique" 2nd Mov.*2
- Chanson Triste*2

*2 AP-700 only

[Selection between 2 legendary grand piano sounds*]

The installed sounds of two world-renowned grand pianos are separately selectable, depending on the genre of the music being played and the performance environment.

* AP-470, AP-270 only

GRAND PIANO 1

A superior instrument for powerful, richly reverberating performances. It reproduces classic grand piano sounds across the range from soft, delicate tones to strong, powerful tones, depending on the weight of the keystrokes.

GRAND PIANO 2

This is the right choice for bright, luxuriant performances. It makes its presence felt with crisp, straightforward sound, even when being played in a band. Its tonality is ideally suited to jazz and pop music.

[Headphone Mode]

Headphone Mode automatically creates a spacious sonic image while wearing headphones, recreating the feeling of playing an acoustic piano. With the experience of wearing headphones significantly enhanced, pianists can enjoy playing naturally and feeling the sound field of a traditional grand piano.

* AP-700, AP-470, PX-870 only

[Volume Sync EQ]

Volume Sync EQ is especially useful for quiet playing at home and other times when you want to keep the speaker volume low. This function balances the sound at low volumes by adjusting the sound quality in the low and high registers. The result is a constantly pleasant playing experience, no matter where the volume is set.

* AP-700, AP-470, PX-870 only

[Recording Functions]

Pianists can choose one of two recording functions, an audio recorder or a MIDI recorder, depending on their purpose.

■Audio Recorder

Pianists can use the audio recorder to record their own performances on USB flash memory (sold separately). Since the recording employs the WAV file data format, performances can be played back*1 with CD sound quality on either the instrument itself or another device such as a PC, audio system or portable music player.

*1 Playback possible on WAV file compatible devices.

* AP-700, AP-650M, AP-470, PX-560M, PX-5S, PX-870, PX-780M, PX-360M and PX-350M only

Photo shows PX-350Mbk.

■MIDI Recorder

Pianists can also use the piano's built-in memory to record their performances. The MIDI recorder supports recording of separate tracks, allowing pianists to complete compositions that are difficult to play with both hands by recording the right-hand segment first and then recording the left-hand segment on top of it.

What is MIDI?

The letters MIDI stand for Musical Instrument Digital Interface, which is the name of a worldwide standard for digital signals and connectors that makes it possible to exchange musical data between musical instruments and computers (machines) produced by different manufacturers.

[Layer and Split]

The layer function enables pianists to overlap two types of tones, while the split function lets them separate tones into lower and higher blocks.

*Except model PX-5S

[Duet Mode]

The keys to the left and right of center on the keyboard can be set to the same tonal range. This Duet Mode is convenient when two players, such as a parent and child or a teacher and student, practice together.

*Except model PX-5S

[Metronome Function]

The metronome comes in handy when practicing the piano. *Except model PX-5S

[Music Library]

A variety of built-in musical pieces can be played back for either listening pleasure or use in piano lessons. (Except models PX-560M, PX-5S, PX-360M and PX-350M. Collection of musical scores bundled.*)

* Some musical scores may not be included due to copyright issues. The scores for the PX-160, PX-770, PX-870, AP-270 and AP-470 can be downloaded in PDF format from the CASIO website.

[Operation Lock]

The operation lock feature is used to lock the button operations to prevent unintentional setting changes.

[Auto Power Off]

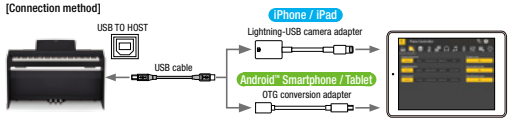
Auto power off is a practical feature that prevents wasteful electricity consumption by shutting down the power automatically when no operation has been conducted for a certain period of time.

Chordana Play for Piano

Compatibility with the Chordana Play for Piano app adds the ability to perform such operations as display of built-in music scores in PDF format and piano tone color setting. When connected to a smartphone or tablet display, the app makes a variety of functions available for piano performances.

Free Download

[Connection method]



*Smart devices, cables and conversion adapters sold separately. *Confirm operating system compatibility for individual models on the AppStore or GooglePlay™.

Download on the App Store

GET IT ON Google Play

Application operating environment: iPhone, iPad or Android™ device*Downloading of dedicated app required before use. *iPhone / iPad / iPod touch: download from the App Store; Android™: download from Google Play™. Check the App Store or Google Play™ for the correct OS version.

OPTIONAL ACCESSORIES

Privia

STAND

CS-67PBK
• For PX-560Mx / 360Mx / 350Mx / 160x

CS-67PWE
• For PX-S5xx / 350Mxx / 160xx

PEDAL

SP-33
• For PX-560Mx / 360Mx / 350Mx / 350Mxx / 160x / 160xx

SP-20
• For PX-560Mx / S5xx / 360Mx /350Mx / 350Mxx / 160x / 160xx

PIANO BENCH

CB-7BK

CB-7BN

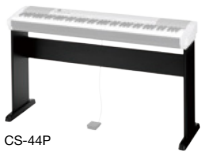
CB-7WE

CARRYING CASE

SC-700P
• For PX-560Mx / S5xx / 360Mx / 350Mx / 350Mxx / 160xx / 160xx

Contemporary Digital Pianos

STAND



CS-44P

SPECIFICATIONS

Function			Contemporary Digital Pianos	
			CDP-235R	CDP-135
Keyboard	Number of Keys		88	88
	Key Action		Scaled Hammer Action	Scaled Hammer Action
	Touch Sensitivity		3 sensitivity levels, off	3 sensitivity levels, off
Tones	Polyphony (maximum)		64	64
	Number of Built-in Tones		700 built-in tones: 555 tones, 128 GM tones, 17 Drum sets	10 built-in tones: Grand Piano Standard, Grand Piano Mellow, Grand Piano Bright, Elec Piano 1, Elec Piano 2, Elec Piano 3, Harpsichord, Strings, Pipe Organ, Jazz Organ
	Sound Source		AHL (Dual-Element AHL)	AHL (Dual-Element AHL)
		Stereo-sampled Piano Tones	●	●
	Layer		●	●
	Split		●	–
Digital Effects	Types	Hall Simulator / Reverb	1 (Hall), 10 (Reverb)	1 (Hall), 10 (Reverb)
		Chorus	5	5
Accompaniment Rhythms	Number of Built-in Rhythms		200	–
	One Touch Preset		200	–
	User Rhythm (Rhythm Editor)		10	–
Songs	Song Bank		152 songs including 50 Exercise Phrases	–
	Demonstration-only Songs		–	5
	Song Expansion *3 (User Songs)		10 songs (max.) Up to approximately 320 KB total	–
Additional Features	Lesson Function		Step Up Lesson	–
		Lesson Part Select	Right hand, Left hand, Both hands	–
	MIDI Recorder		6 tracks, 5 songs, 1 lesson song	–
		Approximate Data Capacity	Up to 12,000 notes	–
	Octave Shift		±2 octaves	–
	Metronome		0,1 ~ 9 beats; tempo range: 30 to 255	0,1 ~9 beats; tempo range: 30 to 255
	Pedals		Included: SP-3 (terminal x 1)	Included: SP-3 (terminal x 1)
	Key Transpose		25 steps (-12 semitones to +12 semitones)	25 steps (-12 semitones to +12 semitones)
	Tuning Control		A4 = 415.5 to 465.9 Hz (Initial default: 440.0 Hz)	A4 = 415.5 to 465.9 Hz (Initial default: 440.0 Hz)
	Scale Function	Number of Preset Temperaments	Equal temperament + 16 variations	–
	Pitch Bend Wheel		●	–
	Others		•Piano / Organ button •Registration: 32 setups (4 sets x 8 banks) •Music Preset: 305 presets •Auto Harmonize: 12 types •Arpeggiator: 90 types •Sampling function •Chord Book •Auto Power Off	–
Display			LCD with backlight	–
MIDI			● (GM level 1 compatible)*9	●*9
Connectivity and Storage	Terminals	Phones	1 (Stereo standard)	1 (Stereo standard)
		Pedals	1 (Sustain / Sostenuto / Soft / Rhythm)	1 (Damper)
		USB *5	●*10	●*10
		Other	AUDIO IN (stereo mini), MIC IN / SAMPLING (standard)	–
	Memory	SD Memory Card Slot	●*8	–
Speakers and Amplifiers	Speakers	Size	12 cm / 6 cm (oval) x 2	12 cm / 6 cm (oval) x 2
		Speaker System	Full Force Sound Speakers	Full Force Sound Speakers
	Amplifiers		8 W + 8 W	8 W + 8 W
Size	Dimensions *6		1,322 x 286 x 129 mm (main unit only)	1,322 x 286 x 129 mm (main unit only)
	[With Optional Stand]		[1,322 x 373 x 753 mm]*12	[1,322 x 373 x 753 mm] *12
Weight	Weight		11.3 kg (main unit only)	10.8 kg (main unit only)
	[With Optional Stand]		[19.2 kg]*12	[18.7 kg]*12
Accessories	Included Accessories		Pedal (SP-3), Song Book, Music Stand, AC Adaptor (AD-A12150LW)	Pedal (SP-3), Music Stand, AC Adaptor (AD-A12150LW)
EAN Code			4971850362296	4971850362289

Supported SD Card Data	
SD/SDHC Card Storable Data	• Song data recorded on the digital piano • User rhythms • Registration setups • Sampled sound
SD/SDHC Card Download Data	• SMF Format 0 or Format 1 (.mid) • CASIO format data (.cm2)

**Depending on the model, there may be some limitations on functions and storable data.*

Supported USB Flash Memory Data	
USB Flash Memory Storable Data	• Song data recorded on the digital piano • User rhythms • User Music Presets • Registration setups • Recorded audio data
USB Flash Memory Download Data	• SMF Format 0 or Format 1 (.mid) • CASIO format data (.cm2) • 44.1 kHz WAV format
Supported USB memory	This instrument is compatible with FAT32-formatted USB memory. USB memory formatted for devices using formatting other than FAT32 is available for use after the USB memory has been formatted (except with quick format) by specifying the file system as FAT32 with the Windows formatting function.

**1 Hammer Response, String Resonance, Damper Resonance, Lid Simulator, Key Off Simulator and Damper Noise are available only for piano tones. *2 The Lid Simulator setting value remains unchanged regardless of whether the piano lid is open or closed. *3 Capacity values are based on 1 MB = 1,024 KB, and 1 KB = 1,024 bytes. *4 Use a commercially available expression pedal that meets the specifications below. Note that the polarity of the pedals of some manufacturers is different from the polarity required by this Digital Piano. (Roland EV-5 / KURZWEIL CC-1 / FATAR VP-25, VP-26) *5 No USB cable is bundled with this product. Use a commercially available adaptable USB cable to connect it with a computer. *6 Excluding projections. *7 Damper resonance is linked to string resonance adjustments. *8 Supported SD memory card capacities: SD or SDHC memory card, up to 32 GB *9 This product is not equipped with MIDI terminals. MIDI communication between the product and a computer is performed using the USB port. *10 Supported operating systems: Windows Vista® (32-bit), Windows® 7 (32-bit, 64-bit), Windows® 8.1 (32-bit, 64-bit), Windows® 10 (32-bit, 64-bit), macOS (OS X / Mac OS X) 10.7, 10.8, 10.9, 10.10, 10.11, 10.12 *11 With optional stand CS-67PBK / CS-67PWE *12 With optional stand CS-44P *13 A score book in PDF format is available for downloading from the CASIO Website • For details, visit the CASIO Website at: http://world.casio.com/.*

Function			CELVIANO			
			AP-700	AP-650M	AP-470	AP-270
Keyboard	Number of Keys		88	88	88	88
	Key Action		Tri-sensor Scaled Hammer Action Keyboard II	Tri-sensor Scaled Hammer Action Keyboard II	Tri-sensor Scaled Hammer Action Keyboard II	Tri-sensor Scaled Hammer Action Keyboard II
	Key Surface Finish		Simulated ebony and ivory keys	Simulated ebony and ivory keys	Simulated ebony and ivory keys	Simulated ebony and ivory keys
	Touch Sensitivity		3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off
Tones	Polyphony (maximum)		256 (Audio player occupies 2)	256 (Audio player occupies 2)	256 (Audio player occupies 2)	192
	Number of Built-in Tones		26 built-in tones:BERLIN GRAND, BERLIN GRAND (MELLOW, BRIGHT), HAMBURG GRAND, HAMBURG GRAND (MELLOW, BRIGHT), VIENNA GRAND, VIENNA GRAND (MELLOW, BRIGHT), Grand Piano (Modern, Rock, Jazz), Elec Piano 1, Elec Piano 2, FM E. Piano, 60's E. Piano, Harpsichord, Vibraphone, Strings 1, Strings 2, Pipe Organ, Jazz Organ, Elec Organ 1, Elec Organ 2, Acoustic Bass, Ride Bass	250 built-in tones: 14 Grand Piano tones, 17 Elec Piano tones,14 Organ tones, 16 Strings tones, 47 Various tones, 128 GM tones, 14 Drum sets	22 built-in tones: Grand Piano 1 (Concert, Mellow, Bright), Grand Piano 2 (Concert, Mellow, Bright), Modern Piano, Rock Piano, Jazz Piano, Elec Piano 1, Elec Piano 2, FM E. Piano, 60's E. Piano, Harpsichord, Vibraphone, Strings 1, Strings 2, Pipe Organ, Jazz Organ, Elec Organ 1, Elec Organ 2, BASS (LOWER)	22 built-in tones: Grand Piano 1 (Concert, Mellow, Bright), Grand Piano 2 (Concert, Mellow, Bright), Modern Piano, Rock Piano, Jazz Piano, Elec Piano 1, Elec Piano 2, FM E. Piano, 60's E. Piano, Harpsichord, Vibraphone, Strings 1, Strings 2, Pipe Organ, Jazz Organ, Elec Organ 1, Elec Organ 2, BASS (LOWER)
	Sound Source		AiR Grand	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR
		Stereo-sampled Piano Tones	●	●	●	●
	Layer		●	●	● (Excluding bass tones)	● (Excluding bass tones)
	Split		●	●	● (Low-range bass tones only)	● (Low-range bass tones only)
Simulator *1	Hammer Response		● (OFF, 10 levels)	● (4 levels)	● (4 levels)	●
	String Resonance		● (OFF, 10 levels)	● (4 levels) *7	● (4 levels) *7	–
	Damper Resonance		● (OFF, 10 levels)			●
	Lid Simulator *2		● (4 levels)	● (4 levels)	● (4 levels)	–
	Key Off Simulator		●	●	●	–
	Key Action Noise		–	–	● (ON / OFF)	–
	Damper Noise		● (OFF, 10 levels)	●	● (ON / OFF)	● (ON / OFF)
Digital Effects	Types	Hall Simulator / Reverb	6 types x 4 positions (Hall Simulator)	4 (Reverb)	4 (Hall Simulator)	4 (Reverb)
		Chorus	4 types	4 types	4 types	4 types
		Brilliance	● (-3 ~ 0 ~ 3)	● (-3 ~ 0 ~ 3)	● (-3 ~ 0 ~ 3)	● (-3 ~ 0 ~ 3)
		DSP	● (Preset for some tones)	● (Preset for some tones)	● (Preset for some tones)	● (Preset for some tones)
Accompaniment Rhythms	Number of Built-in Rhythms		–	180	–	–
	One Touch Preset		–	180	–	–
	User Rhythm (Rhythm Editor)		–	10	–	–
Songs	Concert Play		15 songs	–	10 songs	10 songs
		Controller	FF, REW, PAUSE, STOP, REPEAT, TEMPO DOWN	–	START, STOP	START, STOP
		Mode	Listen, Play	–	Listen / Lesson / Play	Listen / Lesson / Play
	Music Library		60 songs	60 songs	60 songs	60 songs
	Demonstration-only Songs		6 (Tone Demo)	6	–	–
	Song Expansion*3 (User Songs)		10 songs (max.) Up to approximately 90 KB/song	10 songs (max.) Up to approximately 320 KB/song	10 songs (max.) Up to approximately 90 KB/song	10 songs (max.) Up to approximately 90 KB/song
Additional Features	Top Board Open / Close*2		●	●	●	–
	Headphone Mode		●	–	●	–
	Volume Sync EQ		●	–	●	–
	Connection to App		–	–	●	●
	Lesson Function		Part ON / OFF	Part ON / OFF	Part ON / OFF	Part ON / OFF
		Lesson Part Select	Right hand, Left hand	Right hand, Left hand	Right hand, Left hand	Right hand, Left hand
	MIDI Recorder		2 tracks, 1 song	17 tracks (1 system track + 16 solo tracks), 5 songs, Punch-in/Punch-out recording	2 tracks, 1 song	2 tracks, 1 song
		Approximate Data Capacity	Approximately 5,000 notes total	Up to approximately 10,000 notes per song (total for all song tracks)	Approximately 5,000 notes total	Approximately 5,000 notes total
		Controller	FF, REW, PAUSE, STOP, REPEAT, TEMPO CHANGE	–	START, STOP	START, STOP
	Audio Recorder / Playback		Max. 99 songs, approximately 25 min/song (To USB flash drive, 44.1 kHz Stereo WAV format)	Max. 99 songs, approximately 25 min/song (44.1 kHz WAV format)	Max. 99 songs, approximately 25 min/song (44.1 kHz WAV format)	–
		Controller	FF, REW, PAUSE, STOP, REPEAT	–	START, STOP	START, STOP
	Duet Mode		●	●	●	●
	Octave Shift		±2 octaves	±2 octaves	±2 octaves	±2 octaves
	Metronome		0 to 9 beats; tempo range: 20 to 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255 Tap tempo	0 to 9 beats; tempo range: 20 to 255	0 to 9 beats; tempo range: 20 to 255
	Pedals		3 built-in pedals (damper, soft, sostenuto)	3 built-in pedals (damper, soft, sostenuto)	3 built-in pedals (damper, soft, sostenuto)	3 built-in pedals (damper, soft, sostenuto)
		Half-Damper Pedal Operation	● (Seamless recognition)	● (Seamless recognition)	● (Seamless recognition)	●
		Half Pedal Position	● (-2 ~ 0 ~ 2)	–	–	–
	Key Transpose		2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)
	Tuning Control		A4 = 415.5 Hz ~ 440.0 Hz ~ 465.9 Hz	A4 = 415.5 Hz ~ 440.0 Hz ~ 465.9 Hz	A4 = 415.5 Hz ~ 440.0 Hz ~ 465.9 Hz	A4 = 415.5 Hz ~ 440.0 Hz ~ 465.9 Hz
	Scale Function	Number of Preset Temperaments	Equal temperament + 16 variations	Equal temperament + 16 variations	Equal temperament + 16 variations	Equal temperament + 16 variations
	Operation Lock		●	●	●	●
	Others		•8 tone select buttons •Slide-type keyboard cover •Auto Power Off: Off after approx. 4 idle hours (default setting)	•Tone select button •Registration: 96 setups (4 areas x 24 banks) •Music Preset (including chord progressions): 300 presets and 50 user areas •Auto Harmonize: 12 types •Slide-type keyboard cover •Auto Power Off: Off after approx. 4 idle hours (default setting)	•GRAND PIANO 1 button •GRAND PIANO 2 button •Slide-type keyboard cover •Auto Power Off: Off after approx. 4 idle hours (default setting)	•GRAND PIANO 1 button •GRAND PIANO 2 button •Slide-type keyboard cover •Auto Power Off: Off after approx. 4 idle hours (default setting)
Display			Full-dot LCD with backlight	Full-dot LCD with backlight	–	–
MIDI			●	● (GM level 1 compatible)	●*9	●*9
Connectivity and Storage	PHONES / OUTPUT		PHONES: 2 (Stereo standard)	PHONES: 2 (Stereo standard)	2 (Stereo standard) multi-use OUTPUT terminal	2 (Stereo standard) multi-use OUTPUT terminal
	Connector for 3-Pedal Unit		●	●	●	●
	LINE OUT		2 (L / MONO, R), Standard jack	2 (L / MONO, R), Standard jack	–	–
	LINE IN		2 (L / MONO, R), Standard jack	2 (L / MONO, R), Standard jack	–	–
	MIDI		IN / OUT	IN / OUT	–	–
	USB TO HOST*5		●*10	●*10	●*10	●*10
	USB TO DEVICE		●*10	●*10	●*10	–
Speakers and Amplifiers	Speakers	Size	12 cm x 4, 5 cm x 2	16 cm x 2, 5 cm x 2	12 cm x 2, 4 cm x 2	12 cm x 2
		Speaker System	2-Way, 6-Speaker	2-Way, 4-Speaker	2-Way, 4-Speaker	2-Speaker
	Amplifiers		30 W + 30 W	30 W + 30 W	20 W + 20 W	8 W + 8 W
Size	Dimensions*6		1,377 x 427 x 911 mm (w/o music stand)	1,377 x 427 x 911 mm (Top board closed) (w/o music stand)	1,417 x 427 x 861 mm (Top board closed) (w/o music stand)	1,417 x 432 x 821 mm (w/o music stand)
	[With Optional Stand]		[–]	[–]	[–]	[–]
Weight	Weight		48.0 kg	50.2 kg	43.4 kg	36.6 kg
	[With Optional Stand]		[–]	[–]	[–]	[–]
Accessories	Included Accessories		Adjustable-height Piano Bench, AC Adaptor (AD-E24500LW), Score Books (Concert Play/Music Library), Music Stand, Headphone Hook	Adjustable-height Piano Bench, AC Adaptor (AD-E24500LW), Score Book (Music Library), Music Stand, Headphone Hook	Adjustable-height Piano Bench, AC Adaptor (AD-E24250LW), Music Stand, Headphone Hook	Piano Bench, AC Adaptor (AD-A12150LW), Music Stand
EAN Code			4971850362142	4971850361879	AP-470BK: 4971850362388 AP-470BN: 4971850362395 AP-470WE: 4971850362401	AP-270BK: 4971850362333 AP-270BN: 4971850362340 AP-270WE: 4971850362357

SPECIFICATIONS

Function		Privia PRO PX-5S
Keyboard		88 keys, Tri-sensor Scaled Hammer Action Keyboard II
	Key Surface Finish	Simulated ebony and ivory keys
	Touch Sensitivity	3 sensitivity levels, off
	High Resolution Velocity	16,256 steps
	Key Off Velocity	●
	Hammer Response	●
Sound Source		Multi-dimensional Morphing AiR
	Maximum Polyphony	256 (Audio player occupies 2)
Melody Tones		Acoustic Piano: 20 preset, 20 user, Electric Piano: 60 preset, 50 user, Organ: 30 preset, 20 user, Strings / Brass: 70 preset, 20 user, Guitar / Bass: 40 preset, 20 user, Synth / Various: 80 preset, 50 user, Hex Layer: 50 preset, 150 user
Drum Sets		20 preset, 20 user
System Effects	String Resonance	● (4 levels)
	Damper Resonance	● (16 levels)
	Damper Noise	● (ON / OFF)
	Chorus	4 types
	Delay	●
	Reverb	4 types
Master Effects	Equalizer	4 bands
	Compressor	●
	Connection Order	Editable (EQ-Comp, Comp-EQ)
DSP (Insertion Effect)		4 lines, 20 types (Equalizer, Compressor, Limiter, Enhancer,Early Reflection, Phaser, Chorus, Flanger, Tremolo, Auto Pan,Rotary, Drive Rotary, LFO Wah, Auto Wah, Distortion (w/ Amp Simulator),Pitch Shifter, Multi Chorus, Ring Modulator, Delay, Piano Effect)
Stage Settings	Memories	100 user (10 banks x 10 numbers)
	Zone	4 (maximum)
Phrase Sequencer	Phrases	1,000
	Songs	10
	Playback Mode	One-shot, Loop
	Memory Capacity	One phrase up to approximately 8 KB (approx. 1,600 notes); 1,000 phrases totaling a maximum of 1 MB (approx.)
	Other	Overdubbing, Note-quantize
Demonstration-only Songs		4
Audio Recorder / Playback		Max. 100 songs, approx. 25 min/song
	Format	44.1 kHz stereo WAV format
SMF playback		Max. 1,000 files, 320 KB/file
Mixer		16 channel + 1 channel (external input)
Other Functions	Transpose	±1 octaves (-12 semitones ~ 0 ~ +12 semitones)
	Octave Shift	± 3 octaves
	Tuning	A4 = 415.5 - 440.0 - 465.9 Hz
	Scale Function	Equal temperament + 16 variations
	Stretch Tuning	Off + 7 types
	Arpeggios	4 arpeggiators, 100 preset, 100 user
	Operation Lock	●
Controllers		4 knobs, 6 sliders, bender wheel, modulation wheel, 2 envelop response pedal jacks
Full-dot LCD with Backlight		●
MIDI		●(GM level 1 standard)
Connectivity and Storage	PHONES (Stereo Standard Jack)	2
	LINE OUT (Standard Jack)	2 (L/MONO, R)
	LINE IN (Standard Jack)	2 (L/MONO, R)
	USB TO HOST *4	● *8
	USB TO DEVICE	● *8
	MIDI	IN, OUT/THRU
	Pedals	DAMPER/PEDAL 1, PEDAL 2
Power Supply		2-way
	Batteries	AA-size alkaline batteries x 8
	Battery Life	Approximately 3 hours (using headphones)
	AC Adaptor	12V 1.5A
Size*5		1,322 x 286 x 135 mm (not including protruding parts)
	With Optional Stand	1,322 × 286 × 760 mm *9 (without corner brackets)
Weight		11.1 kg (without optional stand, batteries)
	With Optional Stand	21.1 kg *9 (without batteries)
Bundled Accessories		AC Adaptor (AD-A12150LW), Pedal (SP-3)
EAN Code		4971850361930

Supported USB Flash Memory Data

USB Flash Memory Storable Data • Song data recorded on the digital piano • User rhythms • User Music Presets • Registration setups • Recorded audio data

USB Flash Memory Download Data • SMF Format 0 or Format 1 (.mid) • CASIO format data (.cm2) • 44.1 kHz WAV format

Supported USB memory: This instrument is compatible with FAT32-formatted USB memory. USB memory formatted for devices using formatting other than FAT32 is available for use after the USB memory has been formatted (except with quick format) by specifying the file system as FAT32 with the Windows formatting function.

Function			Privia PRO PX-560M	Privia PX-870	Privia PX-780M	Privia PX-770	Privia PX-360M	Privia PX-350M	Privia PX-160
Keyboard	Number of Keys		88	88	88	88	88	88	88
	Key Action		Tri-sensor Scaled Hammer Action Keyboard II	Tri-sensor Scaled Hammer Action Keyboard II	Tri-sensor Scaled Hammer Action Keyboard II	Tri-sensor Scaled Hammer Action Keyboard II	Tri-sensor Scaled Hammer Action Keyboard II	Tri-sensor Scaled Hammer Action Keyboard II	Tri-sensor Scaled Hammer Action Keyboard II
	Key Surface Finish		Simulated ebony and ivory keys	Simulated ebony and ivory keys	Simulated ebony and ivory keys	Simulated ebony and ivory keys	Simulated ebony and ivory keys	Simulated ebony and ivory keys	Simulated ebony and ivory keys
	Touch Sensitivity		3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off
Tones	Polyphony (maximum)		256(Audio player occupies 2)	256 (Audio player occupies 2)	128	128	128	128	128
	Number of Built-in Tones		650 built-in tones: 532 Melody tones, 100 Hex Layer tones, 18 Drum sets	19 built-in tones: Grand Piano (Concert, Mellow, Bright), Modern Piano,Rock Piano, Jazz Piano, Elec Piano 1, Elec Piano 2, FM E. Piano, 60's E. Piano, Harpsichord, Vibraphone, Strings 1, Strings 2, Pipe Organ, Jazz Organ, Elec Organ 1, Elec Organ 2, BASS (LOWER)	250 built-in tones: 14 Grand Piano tones, 17 Elec Piano tones, 14 Organ tones, 16 Strings tones, 47 Various tones, 128 GM tones, 14 Drum sets	19 built-in tones: Grand Piano (Concert, Mellow, Bright), Modern Piano,Rock Piano, Jazz Piano, Elec Piano 1, Elec Piano 2, FM E. Piano, 60's E. Piano,Harpsichord, Vibraphone, Strings 1, Strings 2,Pipe Organ, Jazz Organ, Elec Organ 1, Elec Organ 2, BASS (LOWER)	550 built-in tones: 28 Grand Piano tones, 67 Elec Piano tones, 38 Organ tones, 40 Guitar tones, 22 Bass tones, 45 Strings tones, 27 Brass tones, 25 Read tones, 84 Synth tones, 38 Ethnic tones, 128 GM tones, 18 Drum sets	250 built-in tones: 14 Grand Piano tones, 17 Elec Piano tones, 14 Organ tones, 16 Strings tones, 47 Various tones, 128 GM tones, 14 Drum sets	18 built-in tones: Grand Piano (Concert, Modern, Classic, Mellow, Bright), Elec Piano 1, Elec Piano 2, FM E. Piano, 60's E. Piano, Harpsichord, Vibraphone, Strings 1, Strings 2, Pipe Organ, Jazz Organ, Elec Organ 1, Elec Organ 2, BASS (LOWER)
		User Tones	400	–	–	–	–	–	–
	Sound Source		Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR
		Stereo-sampled Piano Tones	●	●	●	●	●	●	●
	Hex Layer		●	–	–	–	–	–	–
	Layer		●	● (Excluding bass tones)	● (Excluding bass tones)	● (Excluding bass tones)	●	●	● (Excluding bass tones)
	Split		●	● (Low-range bass tones only)	● (Low-range bass tones only)	● (Low-range bass tones only)	●	●	● (Low-range bass tones only)
Simulator *1	Hammer Response		● (8 levels)	● (4 levels)	●	●	● (4 levels)	●	●
	String Resonance		● (16 levels)	● (4 levels)*6	–	–	● (4 levels)*6	–	–
	Damper Resonance		● (16 levels)		●	●		●	●
	Lid Simulator		–	● (4 levels)	–	–	–	–	–
	Key Off Simulator		●	●	–	–	●	–	–
	Key Action Noise		–	● (ON / OFF)	–	–	–	–	–
	Damper Noise		● (16 levels)	● (ON / OFF)	●	● (ON / OFF)	● (ON / OFF)	●	● (ON / OFF)
Digital Effects	Types	Hall Simulator / Reverb	17 Editable (Reverb)	4 (Hall Simulator)	4 (Reverb)	4 (Reverb)	17 (Reverb)	4 (Reverb)	4 (Reverb)
		Chorus	16 Editable	4	4	4	16	4	4
		Delay	6 Editable	–	–	–	6	–	–
		Brilliance	4 Bands Parametric EQ	● (-3 ~ 0 ~ 3)	● (-3 ~ 0 ~ 3)	● (-3 ~ 0 ~ 3)	● (-3 ~ 0 ~ 3)	● (-3 ~ 0 ~ 3)	● (-3 ~ 0 ~ 3)
		DSP	20 types (Parameter Editable DSP)	● (Preset for some tones)	● (Preset for some tones)	● (Preset for some tones)	● (Preset for some tones)	● (Preset for some tones)	● (Preset for some tones)
Accompaniment Rhythms	Number of Built-in Rhythms		220	–	180	–	200	180	–
	One Touch Preset		220	–	180	–	200	180	–
	User Rhythm (Rhythm Editor)		30	–	10	–	10	10	–
Songs	Concert Play		–	10 songs	–	10 songs	–	–	–
		Controller	–	Start / Stop	–	Start / Stop	–	–	–
		Mode	–	Listen / Lesson / Play	–	Listen / Lesson / Play	–	–	–
	Music Library		–	60 songs	60 songs	60 songs	–	–	60 songs
	Demonstration-only Songs		6	–	6	–	6	6	–
	Song Expansion*2 (User Songs)		100 songs (max.) Up to approximately 700 KB/song	10 songs (max.) Up to approximately 90 KB/song	10 songs (max.) Up to approximately 320 KB/song	10 songs (max.) Up to approximately 90 KB/song	100 songs (max.) Up to approximately 700 KB/song	10 songs (max.) Up to approximately 320 KB/song	10 songs (max.) Up to approximately 90 KB/song
Additional Features	Sound Projection		–	●	–	–	–	–	–
	Headphone Mode		–	●	–	–	–	–	–
	Volume Sync EQ		–	●	–	–	–	–	–
	Connection to App		–	●	–	●	–	–	–
	Lesson Function		–	Part ON / OFF	Part ON / OFF	Part ON / OFF	–	Part ON / OFF	Part ON / OFF
		Lesson Part Select	–	Right hand, Left hand	Right hand, Left hand	Right hand, Left hand	–	Right hand, Left hand	Right hand, Left hand
	MIDI Recorder		17 tracks (1 system track + 16 multi tracks), 100 songs, Punch-in/Punch-out recording	2 tracks, 1 song	17 tracks (1 system track + 16 solo tracks), 5 songs, Punch-in/Punch-out recording	2 tracks, 1 song	17 tracks (1 system track + 16 multi tracks), 100 songs, Punch-in/Punch-out recording	17 tracks (1 system track + 16 solo tracks), 5 songs, Punch-in/Punch-out recording	2 tracks, 1 song
		Approximate Data Capacity	Up to approximately 50,000 notes per song (total for all song tracks)	Approximately 5,000 notes total	Up to approximately 10,000 notes per song (total for all song tracks)	Approximately 5,000 notes total	Up to approximately 50,000 notes per song (total for all song tracks)	Up to approximately 10,000 notes per song (total for all song tracks)	Approximately 5,000 notes total
		Song Edit	Delete, Copy, Rename	–	–	–	Delete, Copy, Rename	–	–
		Track Edit	Delete, Copy, Rename, Delete Measure, Key Shift, Quantize	–	–	–	Delete, Copy, Rename	–	–
	Audio Recorder / Playback		Max. 100 songs, approximately 74 min/song (44.1 kHz WAV format)	Max. 99 songs, approximately 25 min/song (44.1 kHz WAV format)	Max. 99 songs, approximately 25 min/song (44.1 kHz WAV format)	–	Max. 100 songs, approximately 74 min/song (44.1 kHz WAV format)	Max. 99 songs, approximately 25 min/song (44.1 kHz WAV format)	–
	Duet Mode		●	●	●	●	●	●	● (Duet Pan ON / OFF)
	Octave Shift		±2 octaves	±2 octaves	±2 octaves	±2 octaves	±2 octaves	±2 octaves	±2 octaves
	Metronome		0 to 9 beats; tempo range: 20 to 255 Tap tempo	0 to 9 beats; tempo range: 20 to 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255	0 to 9 beats; tempo range: 20 to 255	0 to 9 beats; tempo range: 20 to 255 Tap tempo	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255 Tap tempo	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255
	Pedals		Included: SP-3 (terminal x 2) Optional: SP-33 (damper, soft, sostenuto)	3 built-in pedals (damper, soft, sostenuto)	3 built-in pedals (damper, soft, sostenuto)	3 built-in pedals (damper, soft, sostenuto)	Included: SP-3 (terminal x 2) Optional: SP-33 (damper, soft, sostenuto)	Included: SP-3 (terminal x 2) Optional: SP-33 (damper, soft, sostenuto)	Included: SP-3 (terminal x 1) Optional: SP-33 (damper, soft, sostenuto)
		Half-Damper Pedal Operation	● (With optional SP-33 3-pedal unit)	● (Seamless recognition)	●	●	● (With optional SP-33 3-pedal unit)	● (With optional SP-33 3-pedal unit)	● (With optional SP-33 3-pedal unit)
	Key Transpose		2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)
	Tuning Control		A4 = 415.5 Hz ~ 440.0 Hz ~ 465.9 Hz	A4 = 415.5 Hz ~ 440.0 Hz ~ 465.9 Hz	A4 = 415.5 Hz ~ 440.0 Hz ~ 465.9 Hz	A4 = 415.5 Hz ~ 440.0 Hz ~ 465.9 Hz	A4 = 415.5 Hz ~ 440.0 Hz ~ 465.9 Hz	A4 = 415.5 Hz ~ 440.0 Hz ~ 465.9 Hz	A4 = 415.5 Hz ~ 440.0 Hz ~ 465.9 Hz
	Scale Function	Number of Preset Temperaments	Equal temperament + 16 variations	Equal temperament + 16 variations	Equal temperament + 16 variations	Equal temperament + 16 variations	Equal temperament + 16 variations	Equal temperament + 16 variations	Equal temperament + 16 variations
	Pitch Bend Wheel		● (00 to 24 semitones)	–	● (00 to 12 semitones)	–	● (00 to 24 semitones)	● (00 to 12 semitones)	–
	Modulation Wheel		●	–	–	–	–	–	–
	Controller		3 knobs	–	–	–	–	–	–
	Operation Lock		●	●	●	●	●	●	●
	Others		•Dedicated piano tone buttons •Arpeggiator •Registration: 96 setups (4 areas x 24 banks) •Music Preset (including chord progressions): 305 presets and 100 user areas •Auto Harmonize: 12 types •Auto Power Off: Off after approx.4 idle hours (default setting)	•GRAND PIANO button •E.PIANO 1 button •Slide-type keyboard cover •Auto Power Off: Off after approx. 4 idle hours (default setting)	•Tone select button •Registration: 96 setups (4 areas x 24 banks) •Music Preset (including chord progressions): 300 presets and 50 user areas •Auto Harmonize: 12 types •Slide-type keyboard cover •Auto Power Off: Off after approx. 4 idle hours (default setting)	•GRAND PIANO button •E.PIANO 1 button •Slide-type keyboard cover •Auto Power Off: Off after approx.4 idle hours (default setting)	•Dedicated piano tone buttons •Registration: 96 setups (4 areas x 24 banks) •Music Preset (including chord progressions): 305 presets and 50 user areas •Auto Harmonize: 12 types •Auto Power Off: Off after approx.4 idle hours (default setting)	•Tone select button •Registration: 96 setups (4 areas x 24 banks) •Music Preset (including chord progressions): 300 presets and 50 user areas •Auto Harmonize: 12 types •Auto Power Off: Off after approx.4 idle hours (default setting)	•GRAND PIANO buttons (Concert, Modern) •ELEC PIANO 1 button •Auto Power Off: Off after approx. 4 idle hours (default setting)
Display			5.3-inch touch panel (5.0-inch 528 x 320-dot TFT Color LCD)	–	Full-dot LCD with backlight	–	5.3-inch touch panel (5.0-inch 528 x 320-dot TFT Color LCD)	Full-dot LCD with backlight	–
MIDI			●	● *7	● (GM level 1 compatible)	● *7	●	● (GM level 1 compatible)	● *7
Connectivity and Storage	PHONES / OUTPUT		PHONES: 2 (Stereo mini jack)	2 (Stereo standard) multi-use OUTPUT termina	PHONES: 2 (Stereo standard)	2 (Stereo standard) multi-use OUTPUT termina	PHONES: 2 (Stereo mini jack)	PHONES: 2 (Stereo standard)	PHONES: 2 (Stereo mini jack)
	Pedals		2 (Damper, Assignable)	–	–	–	2 (Damper, Assignable)	2 (Damper, Soft/Sostenuto)	1 (Damper)
	Connector for 3-Pedal Unit		● (for SP-33)	●	●	●	● (for SP-33)	● (for SP-33)	● (for SP-33)
	Expression Pedal Compatibility*3		●	–	–	–	–	–	–
	LINE OUT		2 (L / MONO, R), Standard jack	–	2 (L / MONO, R), Standard jack	–	2 (L / MONO, R), Standard jack	2 (L / MONO, R), Standard jack	2 (L / MONO, R), Standard jack
	LINE IN		2 (L / MONO, R), Standard jack	–	2 (L / MONO, R), Standard jack	–	2 (L / MONO, R), Standard jack	2 (L / MONO, R), Standard jack	–
	AUDIO IN		● (Stereo Mini)	–	–	–	● (Stereo Mini)	–	–
	MIDI		IN, OUT / THRU	–	IN / OUT	–	IN, OUT / THRU	IN / OUT	–
	USB TO HOST *4		● *8	● *8	● *8	● *8	● *8	● *8	● *8
	USB TO DEVICE		● *8	● *8	● *8	–	● *8	● *8	–
Speakers and Amplifiers	Speakers	Size	12 cm x 2, 5 cm x 2	12 cm x 2, 4 cm x 2	12 cm x 2, 5 cm x 2	12 cm x 2	12 cm x 2, 5 cm x 2	13 cm / 6 cm (rectangular) x 2, 5 cm x 2	12 cm x 2
		Speaker System	4-Speaker	2-Way, 4-Speaker	2-Way, 4-Speaker	2-Speaker	4-Speaker	4-Speaker	2-Speaker
	Amplifiers		8 W + 8 W	20 W + 20 W	20 W + 20 W	8 W + 8 W	8 W + 8 W	8 W + 8 W	8 W + 8 W
Size	Dimensions *5		1,322 x 293 x 147 mm (w/o music stand)	1,393 x 299 x 801 mm (w/o music stand)	1,357 x 299 x 833 mm (w/o music stand, corner brackets)	1,391 x 299 x 798 mm (w/o music stand)	1,322 x 293 x 139 mm (w/o music stand)	1,322 x 286 x 135 mm (w/o music stand)	1,322 x 293 x 141 mm (w/o music stand)
	[With Optional Stand]		[1,322 x 293 x 773 mm]*9	[–]	[–]	[–]	[1,322 x 293 x 765 mm]*9	[1,322 x 286 x 760 mm]*9	[1,322 x 293 x 766 mm] *9
Weight	Weight		12.0 kg (w/o music stand)	34.3 kg (w/o music stand)	31.5 kg (w/o music stand)	31.5 kg (w/o music stand)	11.9 kg (w/o music stand)	11.6 kg (w/o music stand)	11.1 kg (w/o music stand)
	[With Optional Stand]		[22.0 kg]*9	[–]	[–]	[–]	[21.9 kg]*9	[21.6 kg]*9	[21.1 kg] *9
Accessories	Included Accessories		Pedal (SP-3), AC Adaptor (AD-A12150LW), Music Stand, Dust cover	AC Adaptor (AD-E24250LW), Music Stand	AC Adaptor (AD-E24250LW), Score Book (Music Library), Music Stand	AC Adaptor (AD-A12150LW), Music Stand	Pedal (SP-3), AC Adaptor (AD-A12150LW), Music Stand, Dust Cover	Pedal (SP-3), AC Adaptor (AD-A12150LW), Music Stand, Dust Cover	Pedal (SP-3), AC Adaptor (AD-A12150LW), Music Stand, Dust Cover
EAN Code			4971850362241	PX-870BK: 4971850362364 PX-870WE: 4971850362425 PX-870WE: 4971850362371	4971850361909	PX-770BK: 4971850362302 PX-770WE: 4971850362319 PX-770WE: 4971850362326	4971850362227	PX-350MBK: 4971850361770 PX-350MWE: 4971850361787	PX-160BK: 4971850362197 PX-160WE: 4971850362203 PX-160WE: 4971850362265

**1 Hammer Response, String Resonance, Damper Resonance, Lid Simulator, Key Off Simulator and Damper Noise are available only for piano tones.*
**2 Capacity values are based on 1 MB = 1,024 KB, and 1 KB = 1,024 bytes. *3 Use a commercially available expression pedal that meets the specifications below. Note that the polarity of the pedals of some manufacturers is different from the polarity required by this Digital Piano. (Roland EV-5 / KURZWEIL CC-1 / FATAR VP-25, VP-26)*

**4 No USB cable is bundled with this product. Use a commercially available adaptable USB cable to connect it with a computer. *5 Excluding projections. *6 Damper resonance is linked to string resonance adjustments. *7 This product is not equipped with MIDI terminals. MIDI communication between the product and a computer is performed using the USB port. *8 Supported operating systems: Windows Vista® (32-bit), Windows® 7 (32-bit, 64-bit), Windows® 8.1 (32-bit, 64-bit), Windows® 10 (32-bit, 64-bit), macOS (OS X / Mac OS X) 10.7, 10.8, 10.9, 10.10, 10.11, 10.12 *9 With optional stand CS-67PBK / CS-67PWE • For details, visit the CASIO Website at: http://world.casio.com/.*

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