

CASIO®
MUSICAL INSTRUMENTS

2016
DIGITAL PIANOS



CELVIANO **P**rivia

CELVIANO
Grand Hybrid

CELVIANO

Grand Hybrid

DEVELOPED IN
COLLABORATION WITH



C. BECHSTEIN

Described as the most remarkable young pianist of his generation, Benjamin Grosvenor has built an unparalleled reputation for his incredible performances, masterly interpretations and distinctive sounds that make him one of the most sought-after young pianists in the world.

In development of CELVIANO Grand Hybrid, Casio insisted on perfection of sound and touch. Developed in collaboration with C.Bechstein alongside Casio's diligence and innovative new technology. Together, they bring the perfect combination of innovation and tradition.



"The Celviano Grand Hybrid offers three of the world's most renowned piano sounds. Its depth of touch and authentic grand piano action make this instrument a fantastic learning tool for aspiring pianists, as well as an ideal practice instrument for professional musicians."

Benjamin Grosvenor
CASIO BRAND AMBASSADOR

SOUND

Berlin Grand

A balanced, elegant sound.
Ideal for playing
impressionistic music.
Notable for its clear, ringing tone
across the entire range.



Hamburg Grand

A brilliant, rich sound.
Loved by pianists for its
wide range of expression.
Well suited for various
playing styles and genres.



Vienna Grand

Noted for its impressive low
range. Great for both soft and
vigorous playing with its warm
tone. An ideal instrument for
music from the classical period.



Three Legendary Pianos

Their individual character and tone faithfully recreated

CELVIANO Grand Hybrid reproduces even subtle nuances of the world's most respected pianos. Three pianos that originate in Berlin, Hamburg and Vienna were chosen for this project. Casio has painstakingly researched and analysed the unique characteristics of each piano. CELVIANO Grand Hybrid delivers brilliant sound of these pianos reproduced with Casio's advanced technology. It will provide the experience of owning three of the finest pianos on earth.

The AiR Grand Sound Source recreates the grand piano sound experience

Casio's AiR (Acoustic and intelligent Resonator) Grand Sound Source is designed to meticulously convey every aspect of the grand piano sound. Smooth dynamics between soft and loud playing are made possible with Casio's Multi-Dimensional Morphing technology. Damper and sympathetic string resonance is also faithfully recreated. Even the mechanical sounds of the grand piano are also provided to create a deep sense of realism. Press the damper pedal and hear the sound of the felt as it lifts away from the strings. Completing the experience, you can even adjust the lid position, which will affect the acoustics of the piano as if you had adjusted the lid on an acoustic grand piano. Closing your eyes, you will feel like sitting at a 9-foot concert grand.



Linear Morphing Technology creates smooth transitions between soft and strong sound based on playing strength



C. Bechstein Masterpiece – D282. One of the pianos Casio studied for sound development

The Grand Acoustic System adds new dimension to your playing

Our hearing goes beyond simply left and right, and we can detect the origin of sound from all directions. Using an exclusive six-speaker amplification system, CELVIANO Grand Hybrid recreates the three-dimensional soundfield that an acoustic grand piano generates. The top speakers present sounds normally heard rising upwards. The bottom speakers facing downwards present sounds heard from below. This simulation fills the space with complex, rich sound reaching both the performer and audience. The volume can be adjusted on CELVIANO Grand Hybrid to sound even louder than its acoustic counterparts without sacrificing clarity or detail.

A close-up, low-angle photograph of a piano keyboard. The white keys are in the foreground, and the black keys are visible in the background. The lighting is soft, highlighting the texture of the keys. The word "TOUCH" is written in a gold, serif font in the upper left corner.

TOUCH

Your performance demands authenticity

It begins at the first touch

The player's movement is transformed into music with many important factors. The most tangible factor is the keys. CELVIANO Grand Hybrid delivers authenticity from the first touch. The revolutionary new Natural Grand Hammer Action keyboard is made with full-length, wooden keys. Its new mechanism incorporates real hammers that follow the same path of motion as in a concert grand piano. When the lid is lifted, you can see the hammers in motion through a clear panel as you play. Going beyond a standard acoustic mechanism, this new action allows faster note repetition than any acoustic, while maintaining a true piano touch.

Hammer Action derived from the response of a grand piano

To achieve the level of responsiveness of a grand piano, Casio intensively researched the action of grand piano hammers. The result is a newly developed mechanism with the same principles as a grand piano. A real hammer rises when a key is pressed. Using precise measurements in conjunction with wooden keys, this mechanism delivers the exact response you would expect when playing a concert grand. Every nuance of the player's touch is conveyed.



Casio's new hammer mechanism accurately reproduces the motion of a hammer found on an acoustic grand piano



Same mechanical principles as a grand piano including wooden, full-length keys that provide distinguished touch and responsiveness

Precision-made wooden keys, faithful to traditional designs



High-grade Austrian Spruce used for C. Bechstein grand piano keys

The materials and manufacturing processes adopted

to make the keyboard are those used for grand pianos. Higher-quality wood was carefully chosen, dried, machined and finished. The finish was completed at the same level as acoustic grand pianos, providing a welcome and familiar touch. The feel of these keys contributes to players' comfort and confidence.

The Grand Hybrid experience goes far beyond playing piano

Play a legendary space

CELVIANO Grand Hybrid includes a Hall Simulator featuring numerous world-class performance venues. Using advanced analysis and signal processing, Casio has recreated the acoustic characteristics of renowned concert halls, opera houses, cathedrals and other performance spaces around the world. You can instantly select one of these settings, creating an immersive atmosphere for your performance.

Grand Acoustic System

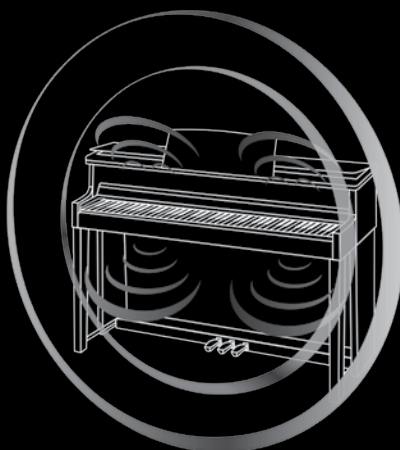
The Grand Acoustic System, in conjunction with Hall Simulator and Concert Play, provides a wonderful array of playing experiences from the comfort of your own environment.

Play with a symphony orchestra

CELVIANO Grand Hybrid's Concert Play feature gives you the role of solo pianist with an orchestral performance. The sound system plays the orchestral part accompanying you. Works by Tchaikovsky, Pachelbel, Smetana and others are featured. The tempo of these pieces can be slowed down to facilitate practice.

Play a moment in time

The GP-500BP model has an additional feature allowing the player to design or select Scenes. You will enjoy customizing your own Scenes by selecting a type of piano, a Hall Simulation and any desired effects. Casio has also created several inspirational preset Scenes. These thoughtfully designed examples let you interact with the history of piano music. Select the name of a famous composer, and you will be presented with an instrument customised to suit their music and a venue appropriate to their musical performance.



Sound Development in Collaboration


C. BECHSTEIN

The Berlin Grand sound was developed in collaboration with C. Bechstein. Casio sought a clear, balanced and elegant sound for CELVIANO Grand Hybrid. D282, C. Bechstein's ultimate masterpiece, is the model Casio intensively studied to achieve the goal. Mr. Albrecht, Service Director and Master Piano Maker at C. Bechstein, worked intensively with Casio Developers on the sound development process throughout the final modifications.



C. BECHSTEIN

"Superior sound and a professional touch. We believe we have crafted a sensational digital piano we can be very proud of."

Werner Albrecht, Service Director and Master Piano Maker (Klavierbaumeister) at C. Bechstein



CASIO

"Getting closer to perfection in collaboration with C. Bechstein. There was no compromise in our development process of the distinctive character of Grand Hybrid."

Naoaki Ito, Sound Designer at Casio

The Beginning of a New Movement

Introducing CELVIANO Grand Hybrid

5 YEAR
PRODUCT
WARRANTY

CASIO

Developed in collaboration with
C. BECHSTEIN

GP-300BK

Refined Sound. Accurate Touch.

The GP-300 shares the heart of its Grand Hybrid siblings, including the ground-breaking Natural Grand Hammer Action using full length wooden keys of the same Austrian Spruce as C. Bechstein grand pianos. Three of the world's finest grand piano sounds, including the Berlin Grand, developed in collaboration with C. Bechstein, comprise a truly outstanding Grand Hybrid piano experience.



5 YEAR
PRODUCT
WARRANTY

DEVELOPED IN
COLLABORATION WITH


C. BECHSTEIN

- 3 grand piano Tones [Berlin Grand] [Hamburg Grand] [Vienna Grand]
- Grand Pedal System
- USB to host and device
- AiR Grand Sound Source
- Adjustable lid position
- 26 Tones
- Natural Grand Hammer Action Keyboard
- Concert Play (15 titles)
- Satin Black
- Grand Acoustic System
- Music Library (60 titles)
- MIDI and audio recording

GP-400BK

A Truly Grand Experience

With its beautiful form evoking impression of dignity and stability and its overall height equivalent to a grand piano's, the GP-400BK gives pianists the sensation and visual perspective of performing on a grand piano. Careful attention to detail, such as installation of an appropriately wide music stand and construction with thick legs and other components, adds further luster to its appeal.



DEVELOPED IN
COLLABORATION WITH



C. BECHSTEIN



- 3 grand piano Tones [Berlin Grand] [Hamburg Grand] [Vienna Grand]
- AiR Grand Sound Source
- Mechanical key and pedal sounds
- Aliquot and open string resonance
- Natural Grand Hammer Action Keyboard
- Grand Acoustic System
- Grand Pedal System
- Adjustable lid position
- Scene feature
- Concert Play (15 titles)
- Music Library (60 titles)
- MIDI and audio recording
- USB to host and device
- 35 Tones
- Black Wood Grain Finish
- Also available in limited edition white wood grain finish

GP-500BP

The Feel of Authenticity

The GP-500 is the flagship Celviano Grand Hybrid, beautifully finished in luxurious polished black. The landmark Natural Grand Hammer Action, developed in collaboration with C. Bechstein, uses full length wooden keys of the same Austrian Spruce as C. Bechstein grand pianos. Next-generation features such as Concert Play and Scene Setting provide pianists with a truly inspiring playing experience.



5 YEAR
PRODUCT
WARRANTY

DEVELOPED IN
COLLABORATION WITH



C. BECHSTEIN

- 3 grand piano Tones [Berlin Grand] [Hamburg Grand] [Vienna Grand]
- Grand Acoustic System
- MIDI and audio recording
- AiR Grand Sound Source
- Grand Pedal System
- USB to host and device
- Mechanical key and pedal sounds
- Adjustable lid position
- 35 Tones
- Aliquot and open string resonance
- Scene feature
- Polished Black
- Natural Grand Hammer Action Keyboard
- Concert Play (15 titles)
- Music Library (60 titles)



CELVIANO PIANOS

Classic Acoustics with Technological Dimensions

PRIVIA PIANOS

Contemporary Design, Advanced Technology. The New Sound of Privia.

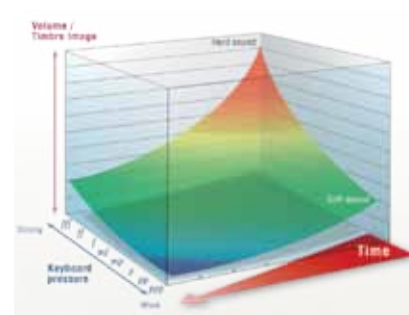


AiR. A New Dimension in Sound

CASIO's remarkable Multi-Dimensional Morphing AiR Sound Source provides temporal changes in tone, beginning with the initial sound and leading into natural extensions until the sound disperses. The length of reverberation can be controlled by the player's adjustment in touch, as with an acoustic piano, as well as ensuring

continuous responsiveness to the power behind each stroke, ranging from a fine and gentle ppp (pianissimo), to an intense and powerful fff (fortissimo). All 88 keys incorporate a stereo resonance simulator that realistically reproduces the string sounds of a grand piano.

*AiR = Acoustic and Intelligent Resonator

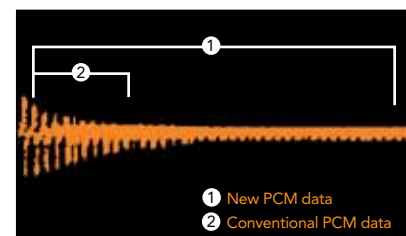


Even temporal tonal changes are reproduced naturally.

Enhanced Digital Sampling

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

of approximately three times in excess of our previous models, is the foundation of our Multi-Dimensional Morphing AiR Sound Source.

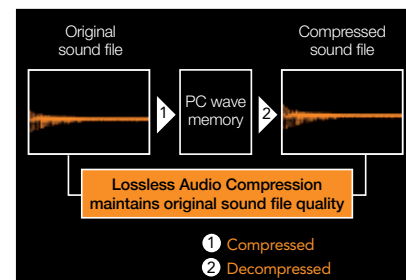


Sound Source memory expanded to reproduce original sounds more naturally.

Lossless Audio Compression for Original Sound Quality

The advanced Lossless Audio Compression technology adopted for CASIO's Multi-Dimensional Morphing AiR Sound Source has made it possible to reproduce sounds without

deterioration of the original sound quality. Quite simply, this reproduces musical performances with acoustics that are immeasurably closer to natural piano sounds.



String, Damper and 88-Key Stereo Resonance

String Resonance*¹ system achieving deep, rich resonance with 88 keys

The uniquely rich sound produced by an acoustic piano is a combination of the sound generated by the striking of keys and the associated string resonance created by that original key strike.

The Multi-Dimensional Morphing AiR Sound Source, unlike ordinary digital pianos, adopts a string resonance system incorporating a stereo resonance simulator for all 88 keys – meaning that the resonance of all 88 keys is reproduced completely and naturally. Furthermore, the resonance created by playing a single tone, according to the strength of touch, is differentiated from that of playing a chord. The result is authentic, natural, acoustic-piano resonance.



Damper Resonance*¹ achieving a more naturally beautiful resonance than a pedal

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-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*² has been adopted for the damper pedal, meaning accurate reproduction of even subtle changes in reverberation caused by the delicate pressure exerted by partial pedal operation. This enables players to authentically employ pedal operation to achieve graceful and expressive performances.

*¹ PX-860, AP-650M and AP-460 models offer four adjustment levels. AP-700 offers 10 levels.

*² PX-860, AP-650M and AP-460 and AP-700 only.

High-level performance functions that enhance playing pleasure

NEW Hall Simulator Function*

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 equalising system assures the pianist's full enjoyment of such stimulating piano acoustics.

Hall Simulator Settings:

- Dutch Church
- Standard Hall
- Berlin Hall
- French Cathedral



NEW Concert Play Feature†

High-quality audio data recordings of 10 live orchestra performances are installed into the latest models. Pianists can play along with the recordings and enjoy the feeling of participating in each live performance.

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 1st Mov.
- Jesus, Bleibet Meine Freude
- Melody In F

* AP-460, AP-700, PX-860

† AP-260, AP-460, AP-700, PX-760, PX-860

Lid Simulator Delivers Open Lid Piano Sounds

When the lid on a grand piano is raised or lowered, the sound volume and quality of the acoustic changes. Casio's new piano design incorporates a Lid Simulator*, which reproduces the same acoustic effects for enhanced enjoyment with a digital piano. The acoustic effects of opening and closing the lid are simulated in fine detail, meaning that the nuances of piano sound you are seeking are always available as you play.



** PX-860, AP-650M and AP-460 and AP-700 only. Four-stage lid simulator is operated via control panel. Open lid function provides enhanced acoustics.*



Keyboard System

Ebony and Ivory in Perfect Harmony

The exceptionally replicated 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, often due to sweat by avoiding build-up and deposits within the grooves, leaving only the sensation of a perfect fingertip fit, even when playing for extended periods.

Natural Feel and Piano Response

To achieve the authentic playing feel, three sensors are installed to match a grand piano keyboard action and control responsiveness.

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

1. Tri-Sensor Scaled Hammer Action Keyboard II

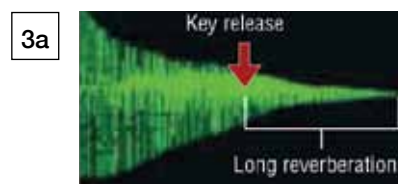
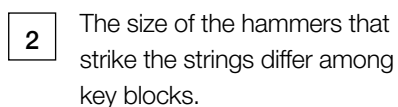
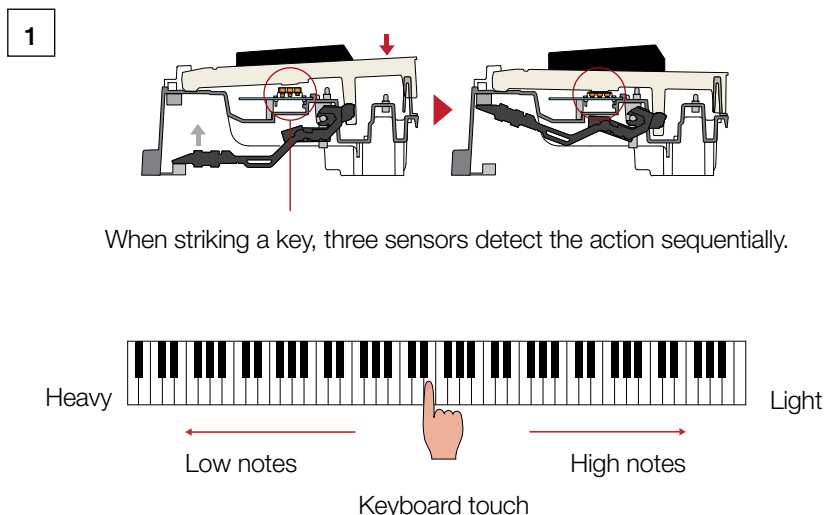
Tri-Sensor Scaled Hammer Action Keyboard II means unique grand piano timing and sound (Fig 1).

2. Hammer Response

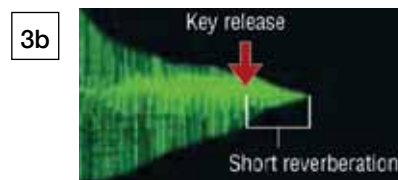
Hammer Response reproduces accurate sound-timing balance (Fig 2).

3. Key Off Simulator

Key Off Simulator* reproduces the tonal variations resulting from finger release (Fig 3a, 3b).



Slow key release



Fast key release

* PX-860, AP-650M and AP-460 models

Perfect Functionality and Design for Lessons and Performances

A piano performance can be recorded in digital format on a USB flash drive (Fig 2) using a built-in port. This not only permits playback of recorded performances, but the recordings can

also be used to accompany a pianist during performances. The digital sound data can also be played back on a computer using standard audio file playback software.

AUDIO RECORDING to record performances and teach lessons

Identical tonal ranges can be set to the right and left of centre of the keyboard. This Duet Mode is convenient when two players, such as a parent and child, or a teacher and student, are practicing together (Fig 1).

The Metronome Function and Recording Function come in handy when practising the piano.

The Music Library is both an excellent listening resource and a useful tool for lessons.

The Layer Function enables players to overlap two types of tones, while the Split Function can be used to separate tones into lower and higher blocks.

The Panel Lock feature is designed to prevent unintentional setting changes by locking the button operations.



1. Identical tonal range keyboard split 2. USB flash drive port



AP-260

New Technology, Traditional Design

The entry model to the Celviano range provides unparalleled appeal for pianists. The all-new Tri-Sensor Scaled Hammer Action Keyboard II and Multi-Dimensional Morphing AiR Sound Source provides unrivalled technological advances that deliver exceptional key response and feel, along with the rich tonal resonance embodied within acoustic piano sound.

- AiR and Tri-Sensor Technology
- Half Damper pedal
- Hammer Response and Damper Resonance
- Replicated ebony and ivory keys
- 18 high-quality tones
- 128 note Polyphony
- Digital effects: Reverb, Chorus, Brilliance, DSP
- Duet function
- Two GRAND PIANO and one ELEC PIANO buttons
- Song recorder and USB
- NEW 'Concert Play' ensemble library - 10 songs



AP-460

Outstandingly Talented Performer

The AP-460 will satisfy the most demanding player and incorporates the new 'Concert Play' built-in library of ten classical pieces to play along with an orchestra. The emulated ebony and ivory keys, open-lid function, Tri-Sensor Scaled Hammer Action Keyboard II, along with Multi-Dimensional Morphing AiR Sound Source provide rich, resonating tones for truly authentic piano acoustics.

Includes AP-260 specifications, PLUS...

- NEW Hall Simulator
- 256-note polyphony (maximum)
- String Resonance (4 levels)
- Damper Resonance (4 levels)
- Lid Simulator (4 levels)
- Hammer Response (4 levels)
- Open Lid Function
- Key Off Simulator
- Lesson Feature (60 songs)/Duet Mode
- NEW Electric/String Piano, and two Grand Piano
- USB and line OUT (L/MONO, R)



AP-650M

The Ultimate Celviano

A multi-featured ensemble piano, the AP-650M provides an exceptional piano sound and keyboard feel is provided by the Tri-Sensor Scaled Hammer Action Keyboard II, whilst the Multi-Dimensional Morphing AiR Sound Source provides rich, resonating tones inherent to a grand piano. A host of performance features, including an all-new open-lid function, wide range of orchestral sounds and automatic accompaniment styles, make this instrument more than just a digital piano.

Includes AP-460 specifications*, PLUS...

- 250 pro-quality tones/180 rhythms
- Rhythm Editor and Registration Memory
- Tone Select buttons for instant access

* AP-650M does not include Concert Play or Hall Simulator features.



AP-700

Three Legendary Grand Pianos

Developed in collaboration with the C. Bechstein, the AP-700 model is equipped with the new AiR Grand Sound Source and stands out with many innovations in the areas of sound, acoustics and effects. Harnessing the same three grand piano sounds as the Grand Hybrid range, the AP-700 includes the 'Berlin Grand' tone, providing a balanced, elegant sound with clearly defined shape.

Includes AP-460 specifications, PLUS...

- AIR Grand Sound Source
- Half-damper pedal (seamless recognition)
- Half Pedal position (-2, 0, +2)
- String Resonance (10 levels)
- Damper Resonance (10 levels)
- NEW 'Concert Play' ensemble library - 15 songs
- Full-dot LCD with backlight
- 6 speaker, 30W system



DEVELOPED IN
COLLABORATION WITH


C. BECHSTEIN



PX-160

The Perfect Introduction

The PX-160 is a superb, compact and lightweight entry-level piano. The latest Tri-Sensor Scaled Hammer Action Keyboard II, and the unprecedented Privia quality of the new Multi-Dimensional Morphing AiR Sound Source, ensure that this neat model, weighing in at just 11kg (without stand), is ideal for pianists in any room of the house.

- AiR and Tri-Sensor Technology
- Half Damper Pedal (via optional SP-33 pedals)
- Hammer Response and Damper Resonance
- Replicated Ebony and Ivory keys
- 18 high-quality tones
- 128 note Polyphony
- Digital effects: Reverb, Chorus, Brilliance, DSP
- Duet function
- Two GRAND PIANO and one ELEC PIANO buttons
- Song recorder and USB
- Optional Stand / Pedal (CS-67 / SP-33)



Stand and Pedal Bar available as optional extras



PX-360M

For Stage, Studio and Home

The PX-360M boasts 550 built-in tones and includes 200 rhythms with full accompaniment. Using the Colour Touch Interface™, musicians can easily layer tones and quickly split the keyboard. These combinations, along with a rhythm selection, can easily be stored and recalled as registration for performances. This ensemble digital piano features 6.3 mm line inputs and outputs, USB and standard MIDI ports, USB drive audio recording and playback, and can be used with the optional CS-67 stand and the SP-33 three-pedal board.

Includes PX-160 specifications, PLUS...

- Optional Stand / Pedal (CS-67 / SP-33)
- Colour Touch Interface™ 5.3 inch LCD touch panel
- 550 pro-quality tones/200 rhythms
- Rhythm Editor and Registration Memory
- Tone Select buttons for instant access
- MIDI and USB Audio Recording
- Line in/out (L/MONO, R for each)



Stand and Pedal Bar available as optional extras

PX-560

For Ambitious Musicians

The PX-560 is not just a highly capable stage piano, but a full-fledged synthesizer. Unlike most other synths, going deep into sound design is as easy as touching the display. The PX-560 features Casio's Hex Layer technology, borrowed from the flagship Privia Pro PX-5S. This means you can create massive splits and layers, with four zones and a total of 14 layers at once. There are three real-time control knobs, as well as a modulation wheel, all of which can be controlling up to two assignable parameters at once. With great-sounding filters, responsive envelopes and extensive modulation, the PX-560 can be a sonic playground, as well as a performance instrument.



Includes PX-360M specifications, PLUS...

- Optional Stand / Pedal (CS-67 / SP-33)
- 256-note polyphony (maximum)
- 650 pro-quality tones/220 rhythms
- Hex-Layer Presets and User Tone Creation
- 100 user/four-zone Configuration Stage Settings
- Control: four knobs, six sliders, pitch and modulation wheel, 2 x pedal
- Effects: four-band EQ and compressor

PX-5S

Same Game, New Rules

The Privia PX-5S redefines the stage piano category with unprecedented sound quality and performance features in a lightweight design that is supremely portable. Featuring the incredible Hex-Layer sound engine, tone editing, insert effects, MIDI controller capabilities, an 88-key, Tri-Sensor Scaled Hammer Action II Keyboard and weighing only 11.1kg, the Privia PX-5S is ready to take the stage.



Includes PX-160 specifications (excluding built-in speakers), PLUS...

- Optional Stand / Pedal (CS-67PWE / SP-33)
- 256-note polyphony (maximum)
- 370 presets + 350 User Tones
- Rhythm Editor and Registration Memory
- Tone Select buttons for instant access
- MIDI and USB Audio Recording
- Line in/out (L/MONO, R for each)
- Hex-Layer Presets and User Tone Creation
- 100 user/four-zone Configuration Stage Settings
- Control: four knobs, six sliders, pitch and modulation wheel, 2 x pedal
- Effects: four-band EQ and compressor
- Weighs only 11.1kg



PX-760

For the Inspired Performance

Incorporating the new 'Concert Play' built-in library of ten classical pieces to play along with an orchestra. The quality cabinet, integrated stand, keyboard cover and three-pedal system ensure the PX-760 will look good in any room. The all -new Tri-Sensor Scaled Hammer Action Keyboard II and Multi-Dimensional Morphing AiR Sound Source ensure a experience that is truly stunning.

Includes PX-160 specifications, PLUS...

- NEW 'Concert Play' ensemble library - 10 songs
- Compact cabinet design including full pedal board
- Sliding keyboard cover to protect keys



PX-860

The Ultimate Privia

The flagship Privia offers outstanding performance, incorporating the new 'Concert Play' built-in library of ten classical pieces to play along with an orchestra. The ebony and ivory touch keys, open-lid function, outstanding Tri-Sensor Scaled Hammer Action Keyboard II and Multi-Dimensional Morphing AiR Sound Source ensure the highest levels of performance and a compellingly proficient instrument.

Includes PX-760 specifications, PLUS...

- Contemporary cabinet design including full pedal board
- NEW Hall Simulator
- 256-note polyphony (maximum)
- String Resonance (4 levels)
- Damper Resonance (4 levels)
- Lid Simulator (4 levels)
- Open Lid Function
- Hammer Response (4 levels)
- Key Off Simulator
- Lesson Feature (60 songs)/Duet Mode
- NEW Electric/String Piano, and two Grand Piano
- USB and line OUT (L/MONO, R)



CDP-130

Outstanding Value and Performance

10 tones, integrated metronome and excellent digital effects: The CDP-130 provides the perfect introduction to the fascinating world of the keyboard. The improved loudspeaker system ensures an impressive piano sound. At the touch of a button, a hall effect or concert reverb can be applied to the sound of the piano, adding authenticity to your own performance. The improved string tone ensures that each piece of music is a unique, memorable experience.

- AHL Sound Source
- Damper (sustain) pedal
- 88-note scaled hammer action
- 10 AHL tones
- 48-note polyphony
- 8 Digital effects
- Layer function
- Integrated metronome
- USB interface
- CS-44P wooden stand also available

Stand available as optional extra



- Internal speaker system
- Weighs less than 12kg

CDP-230

Limitless Acoustic Experience

The CDP-230R includes improved tones for string instruments, scaled hammer action and AHL-quality sound, and a wide range of features and functions, and digital effects. The innovative hall effect button allows you to experience the feeling of playing in a concert, whilst, concert hall reverb can be applied to the sound of the piano, at the touch of a button. The rhythm editor means that elements from different rhythms can also be edited and combined. Be inspired!

Includes CDP-130 specifications, PLUS...

- 700 AHL tones / 200 Rhythms
- Arpeggiator
- SD card slot
- Rhythm editor
- Sampling function
- Audio input
- Powerful speaker system
- Pitch bend wheel
- Backlit LCD



Piano Accessories and Specifications

Accessory Type	Product Fitment	Additional Detail
Adapter		
AD-A12150LW	CDP-130, CDP-230, PX-160, PX-360M, PX-760, PX-860, AP-260, AP-460 and AP-650M	AC-Adapter (12.0 Volts)
AD-E24500LW	GP300, GP400, GP500	24 Volts
Optional Stand		
CS-44P	CDP-130	
CS-67PBK	PX-160 and PX-360M in black	
Pedal		
SP-3	PX-160, PX-360M, PX-5S, CDP-130	Sustain Pedal (Flat Type)
SP-20	PX-160, PX-360M, PX-5S, CDP-130	Sustain Type (Piano Type)
SP-33	PX-160 and PX-360M	



CS-44P



SP-33



SP-20



SP-3

Notes

1. Number of songs and song data volume that can be sent from a computer for storage.
(Capacity based on 1MB = 1,024KB and 1KB = 1,024 bytes.) Data sent from a computer is commercially available SMF song data.
2. SDHC memory cards not supported.
3. 1 semitone = 100 cents.
4. A commercially available USB cable (A-B type) is required to connect a computer to the USB port. Operating systems that support USB: Windows® XP Home Edition (SP2 or later), Windows® XP Professional (SP2 or later, 32-bit versions), Windows Vista® (32-bit versions), Windows® 7, Mac OS® X (10.3.9, 10.4.11 or later, 10.5.2 or later, 10.6.2 or later).
5. Includes two special low-range tones for use with Split.
6. Bass 1 and Bass 2 are special low-range tones for use with Split.
7. Product does not have a MIDI terminal. MIDI communication is performed using the USB terminal. (USB cable not included.
Use a commercially available A-B type USB cable.)
8. Does not include music stand, anti-tip brackets, etc.
9. When using an optional three-pedal unit.
10. Not including projections.
11. Specifications and designs are subject to change without prior notice.

GRAND HYBRID			
Model	GP-300	GP-400	GP-500
Keyboard	Natural Grand Hammer Action Keyboard (Same wood as C. Bechstein grand pianos)	Natural Grand Hammer Action Keyboard (Same wood as C. Bechstein grand pianos)	Natural Grand Hammer Action Keyboard (Same wood as C. Bechstein grand pianos)
Touch Response	5 sensitivity levels (Heavy 2, Heavy 1, Normal, Light 1, Light 2), Off	5 sensitivity levels (Heavy 2, Heavy 1, Normal, Light 1, Light 2), Off	5 sensitivity levels (Heavy 2, Heavy 1, Normal, Light 1, Light 2), Off
Sound	AiR Grand Sound Source	AiR Grand Sound Source	AiR Grand Sound Source
	String Resonance, Damper Resonance, Damper Noise, Hammer Response, Lid Simulator, Key Off Simulator	String Resonance, Damper Resonance, Open String Resonance, Aliquot Resonance, Damper Noise, Pedal Action Noise, Key On Action Noise, Key Off Action Noise, Hammer Response, Lid Simulator, Key Off Simulator	String Resonance, Damper Resonance, Open String Resonance, Aliquot Resonance, Damper Noise, Pedal Action Noise, Key On Action Noise, Key Off Action Noise, Hammer Response, Lid Simulator, Key Off Simulator
Maximum Polyphony	256	256	256
Tones	26 Built-In Tones: Berlin Grand, Berlin Grand Mellow, Berlin Grand Bright, Hamburg Grand, Hamburg Grand Mellow, Hamburg Grand Bright, Vienna Grand, Vienna Grand Mellow, Vienna Grand Bright, Grand Piano Modern, Grand Piano Rock, Grand Piano Jazz, Electric Piano 1, Electric Piano 2, Fm E.Piano, 60'S E.Piano, Harpsichord, Vibraphone, Strings 1, Strings 2, Pipe Organ, Jazz Organ, Electric Organ 1, Electric Organ 2, Acoustic Bass, Ride Bass	35 Built-In Tones: Berlin Grand, Berlin Grand Mellow, Berlin Grand Bright, Hamburg Grand, Hamburg Grand Mellow, Hamburg Grand Bright, Vienna Grand, Vienna Grand Mellow, Vienna Grand Bright, Grand Piano Modern, Grand Piano Rock, Grand Piano Jazz, Grand Piano Pop, Grand Piano Dance, Honky-Tonk Piano, Piano Pad, Electric Piano 1, Electric Piano 2, Electric Piano 3, Fm E.Piano, 60'S E.Piano, Harpsichord, Vibraphone, Strings 1, Strings 2, Synth-Pad, Pipe Organ 1, Pipe Organ 2, Jazz Organ, Electric Organ 1, Electric Organ 2, Electric Organ 3, Acoustic Bass, Ride Bass, Elec.Bass	35 Built-In Tones: Berlin Grand, Berlin Grand Mellow, Berlin Grand Bright, Hamburg Grand, Hamburg Grand Mellow, Hamburg Grand Bright, Vienna Grand, Vienna Grand Mellow, Vienna Grand Bright, Grand Piano Modern, Grand Piano Rock, Grand Piano Jazz, Grand Piano Pop, Grand Piano Dance, Honky-Tonk Piano, Piano Pad, Electric Piano 1, Electric Piano 2, Electric Piano 3, Fm E.Piano, 60'S E.Piano, Harpsichord, Vibraphone, Strings 1, Strings 2, Synth-Pad, Pipe Organ 1, Pipe Organ 2, Jazz Organ, Electric Organ 1, Electric Organ 2, Electric Organ 3, Acoustic Bass, Ride Bass, Elec.Bass
Layer/Split	Layer/Split	Layer/Split	Layer/Split
Digital Effects	Hall Simulator: 12 types, Listening Position Settings: Player's Position 1type, Listener's Position 3types, Chorus: 4 types, Brilliance: 7 levels, DSP: (Preset for some tones)	Hall Simulator: 12 types, Listening Position Settings: Player's Position 1type, Listener's Position 3types, Chorus: 4 types, Brilliance: 7 levels, DSP: (Preset for some tones)	Hall Simulator: 12 types, Listening Position Settings: Player's Position 1type, Listener's Position 3types, Chorus: 4 types, Brilliance: 7 levels, DSP: (Preset for some tones)
Built-in Songs	Concert Play (Audio Song): 15, Music Library (MIDI Song): 60, Grand Piano Tone Demo: 6	Concert Play (Audio Song): 15, Music Library (MIDI Song): 60, Grand Piano Tone Demo: 6	Concert Play (Audio Song): 15, Music Library (MIDI Song): 60, Grand Piano Tone Demo: 6
Song Expansion	10 Approx. 900KB (Up to approx. 90KB/song)	10 Approx. 900KB (Up to approx. 90KB/song)	10 Approx. 900KB (Up to approx. 90KB/song)
Lesson Function	Right hand off, left hand off, both parts off	Right hand off, Left hand off	Right hand off, left hand off, both parts off
Metronome	Beats: 0 to 9 (Tempo range: quarter note = 20 to 255)	Beats: 0 to 9 (Tempo range: quarter note = 20 to 255)	Beats: 0 to 9 (Tempo range: quarter note = 20 to 255)
Recorder	[MIDI Recorder] 2 tracks x 1 song, approximately 5,000 notes maximum, real-time recording/playback	[MIDI Recorder] 2 tracks x 1 song, approximately 5,000 notes maximum, real-time recording/playback	[MIDI Recorder] 2 tracks x 1 song, approximately 5,000 notes maximum, real-time recording/playback
	[Audio recording] Max. 99 songs approximately 25 min/song (44.1kHz WAV Format)	[Audio recording] Max. 99 songs approximately 25 min/song (44.1kHz WAV Format)	[Audio recording] Max. 99 songs approximately 25 min/song (44.1kHz WAV Format)
Other Functions	Number of Preset Temperaments: 17	Number of Preset Temperaments: 17	Number of Preset Temperaments: 17
	Top Board Open / Close	Top Board Open / Close	Top Board Open / Close
	Volume Sync EQ: 3 levels, off	Volume Sync EQ: 3 levels, off	Volume Sync EQ: 3 levels, off
	Headphone Mode	Headphone Mode	Headphone Mode
	Scene number of setups: 15 preset, 10 user	Scene number of setups: 15 preset, 10 user	Scene number of setups: 15 preset 10user
Key Transpose	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)
Tuning Control	A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz	A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz	A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz
Pedals	Grand Pedal System	Grand Pedal System	Grand Pedal System
	3 pedals (Damper, Soft, Sostenuto) Half Pedal Effect for Damper: Continuous recognition, 5levels position	3 pedals (Damper, Soft, Sostenuto) Half Pedal Effect for Damper: Continuous recognition, 5 levels position	3 pedals (Damper, Soft, Sostenuto) Half Pedal Effect for Damper: Continuous recognition, 5levels position
MIDI	IN / OUT	IN / OUT	IN / OUT
Speakers	16 cm x 2 + (10 cm + 5 cm)x 2	16 cm x 2 + (10 cm + 5 cm)x 2	16 cm x 2 + (10 cm + 5 cm)x 2
	3-way, 6-speakers	3-way, 6-speakers	3-way, 6-speakers
Amp Output	30W x 2 + 20W x 2	30W x 2 + 20W x 2	30W x 2 + 20W x 2
Input/Output Terminals	USB TO HOST, USB TO DEVICE	USB TO HOST, USB TO DEVICE	USB TO HOST, USB TO DEVICE
	MIDI IN / OUT	MIDI IN / OUT	MIDI IN / OUT
	PHONES / OUTPUT: 2 (Stereo standard)	PHONES / OUTPUT: 2 (Stereo standard jack)	PHONES / OUTPUT: 2 (Stereo standard)
	LINE IN: 2 (L / MONO, R), Standard jack	LINE IN: 2 (L / MONO, R), Standard jack	LINE IN: 2 (L / MONO, R), Standard jack
	LINE OUT: 2 (L / MONO, R), Standard jack	LINE OUT: 2 (L / MONO, R), Standard jack	LINE OUT: 2 (L / MONO, R), Standard jack
Power Requirements	AC Adapter : AD-E24500LW	AC Adapter : AD-E24500LW	AC Adapter : AD-E24500LW
Dimensions (W x D x H)	1,434x489x963 mm (w/o score stand)	1,462x489x1,003 mm (w/o score stand)	1,434x489x963 mm (w/o score stand)
Weight	77.5 kg	85.5 kg	77.5 kg
Body Color/Finish	Satin Black	Black Wood Grain	Polished Black
Included Accessories	Score Stand, Score Book, Bench, AC Adapter	Score Stand, Score Book, Bench, AC Adapter	Score Stand, Score Book, Bench, AC Adapter

PRIMA								
Model	PX-160		PX-360M		PX-560		PX-5S	
Keyboard	Keys	88 ebony and ivory feel	88 ebony and ivory feel	88 ebony and ivory feel	88 ebony and ivory feel	88 ebony and ivory feel	88 ebony and ivory feel	88 ebony and ivory feel
	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
	Touch Response	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
	Key Off Simulator	-	-	-	-	-	-	Yes
Sound	Source	Multi Dimensional Morphing AiR	Multi Dimensional Morphing AiR	Multi-dimensional Morphing AiR Sound Source	Multi Dimensional Morphing AiR	Multi Dimensional Morphing AiR	Multi Dimensional Morphing AiR	Multi Dimensional Morphing AiR
	Polyphony (maximum)	128	128	256	256	128	256	256
Tones	Built In	18 built-in tones: Grand Piano (Modern, Classic, Variation), Elec Piano, FM E. Piano, 60s E. Piano, Harpsichord, Vibraphone, Pipe Organ Jazz Organ, Elec Organ 1 & 2, Strings 1 & 2, Bass 1 & 2	550 built-in tones: 6 Grand Piano (Modern) tones, 6 Grand Piano (Classic) tones, 9 Elec Piano tones, 6 Vibes/ Clav tones, 13 Organ tones, 15 Strings/Synthpad tones, 17 Bass/Guitar tones, 36 Various tones, 126 GM tones, 14 drum sets	650 built-in tones: 532 Melody tones, 100 Hex Layer tones, 18 Drum sets	Acoustic Piano: 20 preset, 20 user Keyboard Instrument (including Electric Piano): 60 preset, 50 user Hex Layer: 50 preset, 150 user Organ: 30 preset, 20 user Strings / Brass: 70 preset, 20 user Guitar / Bass: 40 preset, 20 user Synth / Various: 80 preset, 50 user Drum Sets: 20 preset, 20 user	18 built-in tones: Grand Piano (Modern, Classic, Variation), Elec Piano, FM E. Piano, 60s E. Piano, Harpsichord, Vibraphone, Pipe Organ Jazz Organ, Elec Organ 1 & 2, Strings 1 & 2, Bass 1 & 2	18 built-in tones: Grand Piano (Modern, Classic, Variation), Elec Piano, FM E. Piano, 60s E. Piano, Harpsichord, Vibraphone, Pipe Organ Jazz Organ, Elec Organ 1 & 2, Strings 1 & 2, Bass 1 & 2	18 built-in tones: Grand Piano (Modern, Classic, Variation), Elec Piano, FM E. Piano, 60s E. Piano, Harpsichord, Vibraphone, Pipe Organ Jazz Organ, Elec Organ 1 & 2, Strings 1 & 2, Bass 1 & 2
	Resonance	Yes (Preset Hammer and Damper)	Yes (Preset Hammer and Damper)	-	Yes (Preset Hammer and Damper)	Yes (Preset Hammer and Damper)	Yes (Preset Hammer and Damper)	Hammer, Damper, String
	Lid Simulator	-	-	650	-	-	-	Yes
	Layer/Split	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Digital Effects	Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Reverb (17 types), Chorus (16 types) Master EQ (6 types), Brilliance, DSP	17 types (Editable) 16 types (Editable) 4 Bands Parametric EQ 20 types/Parameter Editable DSP	System Effects, String Resonance, Damper Resonance, Delay, Reverb: 4 types, Chorus: 4 types, Master Effects, Master Equalizer: 4 bands, Compressor, DSP: 4 lines, 20 types	Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Hal Simulator (4 types), Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Hal Simulator (4 types), Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)
Registration Setups		-	Yes	Yes	-	-	-	-
Pitch Bend Wheel		-	Yes	220 built-in rhythms, 30 user rhythms	Pitch and Modulation	-	-	-
Rhythms (Auto-accompaniment)		-	180 (built-in) and 10 (user)	220	-	-	-	-
Music Library	Tunes	60 music library tunes	-	-	-	60 music library tunes	60 music library tunes	60 music library tunes
	Demo Songs	-	6	6 (Tone Demo)	-	-	-	-
	Song Expansion (User Tune)	10	100	-	-	10	10	10
	Ensemble Library	-	-	-	-	Yes (10 presets)	Yes (10 presets)	Yes (10 presets)
Lessons	Function	Part ON/OFF	Part ON/OFF	Yes	-	Part ON/OFF	Part ON/OFF	Part ON/OFF
	Part	Right hand, left hand	Right hand, left hand	Part ON / OFF (16ch Mixer)	-	Right hand, left hand	Right hand, left hand	Right hand, left hand
	Duet Mode	Yes	Yes	Yes	-	Yes	-	-
Metronome		0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255	Yes	-	0-9 beats; tempo range: 20 to 255	0-9 beats; tempo range: 20 to 255	0-9 beats; tempo range: 20 to 255
Recorder (Song Memory)		2 tracks, 1 song, approx. 5,000 notes	17 tracks (1 system track + 16 solo tracks), 5 songs, up to 50,000 notes per song, Punch-in/Punch-out recording	16 Multi Track + 1 System Track, Approximately 50,000 notes, Real-Time Recording, Punch-in/out, Key Shift, Quantize, .wav (16bit, 44.1kHz, Stereo)	[Audio Recording/Playback] Max. 100 songs, approx. 25 min/ song (44.1 kHz stereo WAV format)	2 tracks, 1 song, approx. 5,000 notes	2 tracks, 1 song, approx. 5,000 notes	2 tracks, 1 song, approx. 5,000 notes
Audio Recording/Playback		-	Yes	Yes	Yes	-	Yes	Yes
Pedals	Number	Included SP-3 x 1 (terminal x 1), Optional SP-33: 3 pedals (damper/soft/sostenuto)	Included SP-3 x 1 (terminal x 2), Optional SP-33: 3 pedals (damper/soft/sostenuto)	Yes	Included SP-3 x 1 (terminal x 2), Optional SP-33: 3 pedals (damper/soft/sostenuto)	3 pedals (damper/soft/sostenuto)	3 pedals (damper/soft/sostenuto)	3 pedals (damper/soft/sostenuto)
	Half-pedal Operation (damper)	Yes (with optional SP-33 3-pedal unit)	Yes (with optional SP-33 3-pedal unit)	2 (Damper, Assignable)	Yes (with optional SP-33 3-pedal unit)	Yes	Yes	Yes
Key Transpose		25 steps (-12/+12 semitones)	25 steps (-12/+12 semitones)	25 steps (-12 semitones ~ 0 ~ +12 semitones)	±1 octaves (-12 semitones ~ 0 ~ +12 semitones)	25 steps (-12/+12 semitones)	25 steps (-12/+12 semitones)	25 steps (-12/+12 semitones)
Tuning Control		A4=440Hz ±99 cent	A4=440Hz ±99 cent	A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz	A4=415.5 Hz ~ 440.0 Hz ~ 465.9 Hz	A4=440Hz ±99 cent	A4=440Hz ±99 cent	A4=440Hz ±99 cent
Damper Noise Enable		-	-	-	-	On/Off	On/Off	On/Off
Display		-	5.3-inch touch panel	5.3-inch touch panel	Yes (full-dot LCD with backlight)	-	-	-
SD Memory Card Slot		-	Yes	Yes	-	-	-	-
MIDI		Yes	Yes (GM Level 1 compatible)	-	16 multi-timbre received, GM level 1 standard	Yes	Yes	Yes
Other Functions and Features		GRAND PIANO buttons (Modern, Classic), ELEC PIANO button, Selectable Temperament Octave Shift, Operation Lock	Rhythm Editor (10 user rhythms), Registration: Total 96 set-ups (12 presets x 8 banks), Music Preset (including chord progressions): 305 presets and 50 user areas, One Touch preset: 180 presets, GRAND PIANO buttons (Modern, Classic), ELEC PIANO button, Auto Harmonize, Stretch Tune (ON/OFF) Selectable Temperament, Octave Shift Operation Lock, Pitch Bend Wheel, 4 Rhythm Selector Buttons	Dedicated piano tone buttons Arpeggiator, Registrations: 96 sets (4 areas x 24 banks), Music Preset (including chord progressions): 305 presets and 100 user areas, One-touch preset: 220 sets, Auto Harmonize: 12 types, Temperaments (preset scale): 17 types, Octave Shift: ±2 octaves, Duet Mode, Operation Lock, Pitch Bend Wheel : 00 to 24 semitones	Phrase Sequencer, Arpeggios, Controllers (4 knobs, 6 sliders, Bender wheel, Modulation wheel, 2 pedal jacks).Effects: 4 simultaneous/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 Mod, Delay, Piano effect	GRAND PIANO buttons (Modern, Classic), ELEC PIANO button, Selectable Temperament Octave Shift, Operation Lock, Slide-type Keyboard Cover	GRAND PIANO buttons (Modern, Classic), ELEC PIANO button, Selectable Temperament Octave Shift, Operation Lock, Rotary-type Keyboard Cover with Music Stand	
Terminals	Headphones	2 (Stereo Mini)	2 (Stereo Mini, Front)	Yes	2 (stereo standard)	2 (stereo standard, matched output)	2 (stereo standard)	
	Pedal	1 (damper)	2 (damper/soft/sostenuto)	1 (damper)	2 (damper/soft/sostenuto)	-	-	
	Connector for 3-pedal unit	Yes	Yes	Yes	Yes	-	-	
	Line OUT	Yes	2 (L/MONO, R; standard)	Yes (L/MONO, R; 6.3mm Mono Standard)	2 (L/MONO, R; standard)	-	-	
	Line IN	No	2 (L/MONO, R; standard)	Yes (L/MONO, R; 6.3mm Mono Standard)	2 (L/MONO, R; standard)	-	-	
	USB	Yes	Yes	Yes	Yes	Yes	Yes	
	MIDI	-	In/out	8 W + 8 W	In/out	-	-	
Speakers	Size	12cm x 2	12cm x 2, 5cm x 2	12cm x 2, 5cm x 2	-	12cm x 2	12cm x 2 + 5cm x 2	
	Amplifier	8W + 8W	8W + 8W	8 W + 8 W	-	8W + 8W	20W + 20W	
	4 speakers/ 2-way system	-	Yes	Yes	Yes	-	Yes	
Size W x D x H (with stand)		1,322 x 286 x 135mm	1,322 x 286 x 135mm (759mm)	1,322 x 293 x 147 mm 1,322 x 293 x 773 mm (optional stand)	1,322 x 286 x 135mm (759mm)	1,357 x 299 x 833mm	1,367 x 299 x 837mm	
Weight (with stand)		11kg (21kg)	11.9kg (21.9kg)	12.0kg, 22.0kg (with optional stand)	11.1kg (21.1kg)	31.5kg	35.5 kg	
Accessories		Pedal (SP-33), AC Adaptor, Score Book, Music Stand	Pedal (SP-33), AC Adaptor, Music Stand	-	Pedal (SP-33), AC Adaptor, Music Stand	AC Adaptor, Score Book, Music Stand	AC Adaptor, Score Book, Front Support	
Stand		Optional CS-67PBK	Optional CS-67PBK	Optional CS-67P	-	Included	Included	
Boxed dimensions (W x D x H)		1,460 x 366 x 212mm	1,322 x 293 x 139mm	1460 x 366 x 212mm	1,460 x 366 x 212mm	1,490 x 383 x 422mm	1,490 x 383 x 422mm	
Boxed weight		16kg	16.5kg	16.5kg	16.5kg	41kg	45kg	

		CELVIANO				CDP	
Model		AP-260	AP-460	AP-650M	AP-700	CDP-130	CDP-230
Keyboard	Keys	88 ebony and ivory feel	88 ebony and ivory feel	88 ebony and ivory feel	88 ebony and ivory feel	88 piano style keys	88 piano style keys
	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	Tri-Sensor Scaled Hammer Action
	Touch Response	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off
	Key Off Simulator	-	Yes	Yes	Yes	-	-
Sound	Source	Multi Dimensional Morphing AiR	Multi Dimensional Morphing AiR	Multi Dimensional Morphing AiR	AiR (Acoustic & Intelligent Resonator) Grand	Dual-element AHL	Dual-element AHL
	Polyphony (maximum)	128	256	256	256	48	48
Tones	Built In	18 built-in tones: Grand Piano (Modern, Classic, Variation), Elec Piano, FM E. Piano, 60s E. Piano, Harpsichord, Vibraphone, Pipe Organ Jazz Organ, Elec Organ 1 & 2, Strings 1 & 2, Bass 1 & 2	18 built-in tones: Grand Piano (Modern, Classic, Variation), Elec Piano, FM E. Piano, 60s E. Piano, Harpsichord, Vibraphone, Pipe Organ Jazz Organ, Elec Organ 1 & 2, Strings 1 & 2, Bass 1 & 2	250 built-in tones: 6 Grand Piano (Modern) tones, 6 Grand Piano (Classic) tones, 9 Elec Piano tones, 6 Vibes/ Clavi tones, 13 Organ tones, 15 Strings/Synthpad tones, 17 Bass/Guitar tones, 36 Various tones, 128 GM tones, 14 drum sets	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	10 built-in tones	700 built-in tones
	Resonance	Yes (Preset Hammer and Damper)	Hammer, Damper, String	Hammer, Damper, String	Hammer, Damper, String	Yes	Yes
	Lid Simulator	-	Yes	Yes	Yes	-	-
	Layer/Split	Yes	Yes	Yes	Yes	Layer only	Layer only
	Digital Effects	Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Hall Simulator (4 types), Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Hall Simulator/Reverb (6 types x 4 positions) Chorus (4 types) Brilliance, DSP (preset for some tones)	Hall (1 type), Reverb (10 types), chorus (5 types)	Hall (1 type), Reverb (10 types), chorus (5 types)
Registration Setups		-	-	-	-	-	-
Pitch Bend Wheel		-	-	-	-	-	-
Rhythms (Auto-accompaniment)		-	-	180 (built-in) and 10 (user)	-	-	200 built-in rhythms (10 user rhythms)
Music Library	Tunes	60 music library tunes	60 music library tunes	60 music library tunes	15 Concert Play, 60 Music Library	-	152 (Song Bank)
	Demo Songs	-	-	6	6 (Tone Demo)	5 (Demo Songs)	-
	Song Expansion (User Tune)	10	10	10	10 songs (max.) Up to approx. 90KB/song	-	10 songs maximum (up to 320KB total)
	Ensemble Library	-	Yes (10 Presets)	Yes (10 Presets)	-	-	-
Lessons	Function	Part ON/OFF	Part ON/OFF	Part ON/OFF	Yes	-	Step Up Lesson, Phrases, Lesson Part select, Performance evaluation, Voice fingering guide, (Lesson part : right hand, left hand, both hands)
	Part	Right hand, left hand	Right hand, left hand	Right hand, left hand	Right hand, left hand	-	(Lesson part : right hand, left hand, both hands)
	Duet Mode	Yes	Yes	Yes	Yes	-	-
	Metronome	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255	0-9 beats; tempo range: 20 to 255	0-9 beats; tempo range: 20 to 255	0-9 beats; 20 ~ 255BPM	Beats: 0,1-9 beats (Tempo range: quarter note = 30 to 255)	Beats: 0,1-9 beats (Tempo range: quarter note = 30 to 255)
Recorder (Song Memory)		2 tracks, 1 song, approx. 5,000 notes	tracks, 1 song, approx. 5,000 notes	17 tracks (1 system track + 16 solo tracks), 5 songs, up to 10,000 notes per song, Punch-in/Punch-out recording	[MIDI Recorder] 2 tracks x 1 song, approximately 5,000 notes maximum, real-time recording/ playback [Audio Recording] Max. 99 songs, approximately 25 min/ song (To USB flash drive, 44.1 kHz Stereo WAV format)	-	6 tracks x 5 songs (performance recording), 1 song (lesson recording), approximately 12,000 notes total, real-time recording/playback
Audio Recording/Playback		-	Yes	Yes	Yes	Yes	Yes
Pedals	Number	3 pedals (damper/soft/sostenuto)	3 pedals (damper/soft/sostenuto)	3 pedals (damper/soft/sostenuto)	3 pedals (damper/soft/sostenuto)	Standard jack damper	Standard jack (sustain, sostenuto, soft, rhythm)
	Half-pedal Operation (damper)	-	Yes	Yes	Yes	-	-
Key Transpose		25 steps (-12/+12 semitones)	25 steps (-12/+12 semitones)	steps (-12/+12 semitones)	2 octaves (-12 to +12 semitones)	25 steps (-12 to +12 semitones)	25 steps (-12 to +12 semitones)
Tuning Control		A4=440Hz ±99 cent	A4=440Hz ±99 cent	A4=440Hz ±99 cent	A4=415.5 Hz - 440.0 Hz - 465.9 Hz	A4 = 415.5 to 465.9 Hz (Initial Default: 440.0 Hz)	A4 = 415.5 to 465.9 Hz (Initial Default: 440.0 Hz)
Damper Noise Enable		-	On/Off	On/Off	-	-	-
Display		-	-	Yes (full-dot LCD with backlight)	Full-dot LCD with backlite	-	LCD with backlight
SD Memory Card Slot		-	-	Yes	-	-	-
MIDI		Yes	Yes	Yes (GM Level 1 compatible)	Yes	Yes	Yes
Other Functions and Features		GRAND PIANO buttons (Modern, Classic), ELEC PIANO button, Selectable Temperament Octave Shift, Operation Lock, Slide-type Keyboard Cover	GRAND PIANO buttons (Modern, Classic), ELEC PIANO button, Selectable Temperament Octave Shift, Operation Lock, Slide-type Keyboard Cover	Rhythm Editor (10 user), Registration: 96 user (12 x 8), Music Preset: 300 presets, 50 user, One Touch preset: 180 presets, GRAND PIANO, ELEC PIANO, 4 Rhythm Selector, Auto Harmonize, Selectable Temperament, Octave Shift	Concert Play and Hall Simulator, 8 tone select buttons, Duet function, Octave shift: ±2 octaves, Auto Power Off: Off after approx. 4 idle hours (default setting), Slide-type keyboard cover	-	Rhythm Editor (10 user rhythms) Registration: 32 setups (4 sets x 8 banks), Music Preset: 305 presets, One Touch Preset: 200 sets, Auto Harmonize: 12 types, Arpeggiator: 90 types, Preset Scale: (Equal temperament + 16 types), Octave Shift: ±2 octaves, Rhythm/Song controller, Piano/Organ button, Chord Book
Terminals	Headphones	2 (stereo standard, matched output)	2 (stereo standard)	2 (stereo standard)	Yes	Yes	Yes
	Pedal	-	-	-	-	-	-
	Connector for 3-pedal Unit	-	-	-	-	-	-
	Line OUT	-	2 (L/MONO, R; standard)	2 (L/MONO, R; standard)	2 (L / MONO, R), Standard jack	Yes	Audio In
	Line IN	-	-	2 (L/MONO, R; standard)	2 (L / MONO, R), Standard jack	-	Yes
	USB	Yes	Yes	Yes	Yes	-	-
Speakers	MIDI	-	-	In/out	IN/OUT	-	-
	Size	12cm x 2	12cm x 2 + 5cm x 2	16cm x 2.5cm x 2	12 cm x 4, 5 cm x 2	-	-
	Amplifier	8W + 8W	20W + 20W	30W + 30W	30W + 30W	[12cm/6cm (oval)] x 2	-
	4 speakers/2-way system	-	Yes	Yes	Yes	-	-
Size W x D x H (with stand)		1,377 x 432 x 840 mm	1,377 x 427 x 840 mm	1,377 x 427 x 911 mm	1,377 x 427 x 911 mm (w/o music rest)	1,322 x 286 x 129 mm (main unit only)	-
Weight (with stand)		39.5kg	40.5kg	50.2kg	48.0 kg	10.8kg (main unit only) 18.7kg with optional GS-44P stand	-
Accessories		AC Adaptor, Score Book, Music Stand	AC Adaptor, Score Book, Headphones Hook	AC Adaptor, Score Book and Headphones Hook	AC Adaptor, Score Book and Headphones Hook	Pedal (GP-3), Music stand, AC adaptor (AD-A12150LW)	-
Stand		Included	Included	Included	Included	Not Included	Not Included
Boxed dimensions (W x D x H)		1490 x 575 x 495mm	1490 x 575 x 560mm	1490 x 575 x 632mm	1490 x 575 x 632mm	1460 x 366 x 209mm	1460 x 366 x 209mm
Boxed weight		57kg	62kg	74kg	74kg	11.2kg	11.2kg

CELVIANO
Grand Hybrid

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