



Clavinova®

Yamaha Digital Piano CLP & CVP Series



Real Grand Expression

Experience a purely digital piano with the heart of a true grand

You'll feel the difference from the very first notes you play. With realistic touch and response, paired with the unmistakable tone of the finest concert grand pianos ever made, the Clavinova delivers expressive capabilities and a dynamic range that redefines the standard for digital pianos today.

Imagine enjoying the subtle tonal shadings and broad dynamic range of a concert grand piano in the privacy of your home, or livening up family get-togethers with an impressive library of accompaniment and instrument Voices. The amazing versatility and state-of-the-art functionality of the Clavinova ensures that all of your musical needs are not only met, but exceeded.

Explore a new world of musical possibilities with Clavinova — more than just great sound.



Clavinova

CLP Series

Distilling the very essence of a grand piano into the feel, tone and touch to resonate with the aspiring pianist in you

- Play with the voice of the CFX, the finest Yamaha concert grand piano
- The Clavinova CLP Series also offers the unique sound of a Bösendorfer Imperial
- Experience the sound, keyboard touch and pedal feel of a grand piano
- A full range of functions for use when practicing



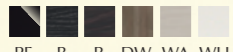
CLP-625



> P8



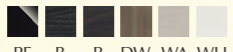
CLP-635



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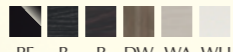
CLP-645



> P10



CLP-675



> P11



CLP-685



> P12



CLP-665GP



> P13



CVP-701



> P16



CVP-705



> P17



CVP-709



> P18



CVP-709GP



> P19

CVP Series

Broaden your musical horizons with a comprehensive array of authentic Voices and a superb grand piano touch

- Auto-accompaniment functions for full ensemble performance
- Perform with an impressive library of Voices and comprehensive karaoke and other vocal functions
- Enjoyable learning functions for players who are just starting out!



CLP Series

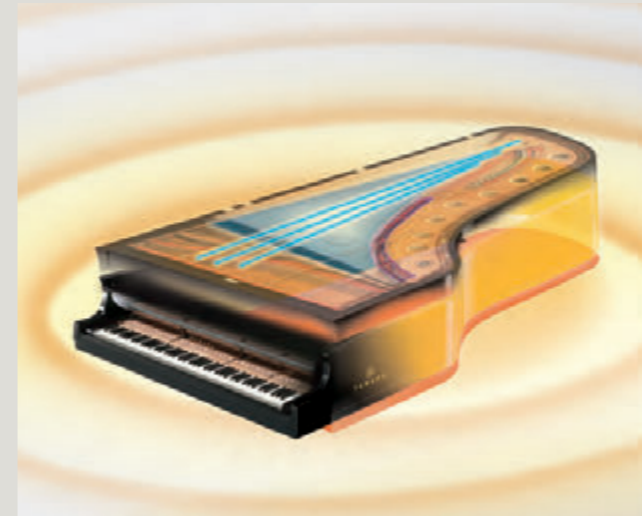
The CLP Series captures the soul of a remarkable concert instrument in a digital piano to deliver a grand piano performance in a more personal environment.



Real grand piano tone, just for you

Two world-renowned concert grand pianos in one

The powerful tone of the flagship Yamaha concert grand, the CFX, and the unmistakable sound of a Bösendorfer Imperial are available at the touch of a button.



Enhanced Virtual Resonance Modeling (VRM) for a rich and bright sound

In a grand piano, sound resonates throughout the body of the instrument, producing a rich reverberation that envelops the listener in sound. These phenomena are reproduced perfectly in the Clavinova through Yamaha Virtual Resonance Modeling (VRM) technology.

The piano body resonates just like an acoustic piano

The acoustic system of the Clavinova reproduces the sensation of the entire piano vibrating, just like the feeling of playing an acoustic piano.

GrandTouch—experience the incomparable



The newly developed GrandTouch keys offer more responsive touch and a greater dynamic range than ever before. The pianist can experience a natural, balanced response from the tip to the very back of each key.

A better practice experience



Time-tested practice aids

Train your hands with some of the most widely accepted exercises in the world using proven practice methods from Hanon, Bayer, Czerny and Burgmüller. With the CLP Series, you can use lesson functions to focus on each hand individually.



Even headphones produce a larger than life experience

Thanks to advanced binaural sampling technology, you can enjoy the highly realistic sensation of playing a concert grand piano even when you are using headphones.



Connect wirelessly for Bluetooth® audio

You can play music through the audio system on the Clavinova by using a Bluetooth-enabled smart device. You can stream audio data such as mp3 files, as well as audio from apps. You can enjoy playing along with any songs on your smart device, and you can even share your Clavinova performances.

CLP Series



CLP-625WH
White

CLP-625

Everything you could want in your first piano, including two of the world's finest grand pianos: the Yamaha CFX and Bösendorfer Imperial.



CLP-625PE
Polished Ebony



CLP-625B
Black



CLP-625R
Dark Rosewood



Two incredible grand piano Voices

Voices from the CFX, our finest concert grand piano, and Bösendorfer's legendary Imperial. All 88 keys are sampled individually.



GH3X keyboard with synthetic ebony and ivory keytops

Escapement mechanism reproduces the depth resistance characteristic of a grand piano, along with improved key return and response.



Binaural sampling

A fully immersive concert grand experience, even when using headphones.

■ Main Features

Sound

- CFX and Bösendorfer Imperial piano samples
- CFX Binaural sampling
- Smooth Release
- Key-Off samples
- String Resonance
- Damper Resonance
- 256-note polyphony
- 10 Voices

Touch

- GH3X (Graded Hammer 3X) keyboard with synthetic ebony and ivory keytops
- Escapement

And more

- Dual / Duo
- Digital effect (Reverb)
- 10 Voice Demo Songs + 50 Piano Songs *
- 2-track recording
- USB TO HOST
- Dual headphone jacks
- 20 W x 2 amplifiers
- 10 cm x 2 speaker system
- Acoustic Optimizer
- Intelligent Acoustic Control (IAC)
- Stereophonic Optimizer
- Music rest clips
- Connect an iPhone, iPad or iPod touch **

* The Clavinova comes with a book of music scores

** For wireless connection, optional MD-BT01 / UD- BT01 is required



CLP-635R
Dark Rosewood

CLP-635

Enjoy the vivid, authentic tones of two of the finest grand pianos in the world with VRM effects.



CLP-635PE
Polished Ebony



CLP-635B
Black



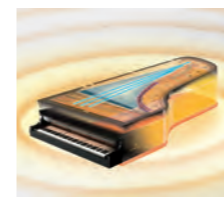
CLP-635DW
Dark Walnut



CLP-635WA
White Ash



CLP-635WH
White



Virtual Resonance Modeling (VRM)

Physical modeling techniques provide authentic reproductions of internal grand piano reverberations and offer rich, endlessly varying expressive capabilities.



USB Audio Recorder

Record performances to USB flash memory and create audio files (.WAV format) which you can save and play back on a computer or portable audio device, share with friends, or use to create a CD.



Easy to control with full text LCD

An easy-to-read display and a simple interface for selecting functions such as Rhythms and Lesson Songs. Dedicated panel buttons give quick access to the Yamaha CFX and Bösendorfer Imperial piano Voices.

■ Main Features

Sound

- CFX and Bösendorfer Imperial piano samples
- CFX Binaural sampling
- Improved VRM (Virtual Resonance Modeling)
- Smooth Release
- Key-Off samples
- 256-note polyphony
- 36 Voices

Touch

- GH3X (Graded Hammer 3X) keyboard with synthetic ebony and ivory keytops
- Escapement

And more

- 128 x 64 full dot LCD
- Dual / Split / Duo
- Digital effects (Reverb/Chorus/Brilliance/Effect)
- 19 Voice Demo Songs + 50 Piano Songs* + 303 Lesson Songs
- 20 rhythms
- 16-track recording
- USB Audio Recorder (Playback/Recording: WAV)
- USB TO HOST and USB TO DEVICE
- Dual headphone jacks
- 30W x 2 amplifiers
- 16cm x 2 speaker system
- Acoustic Optimizer
- Intelligent Acoustic Control (IAC)
- Stereophonic Optimizer
- Music rest clips
- Optional wireless connection to iPhone, iPad or iPod Touch **

* The Clavinova comes with a book of music scores

** For wireless connection, optional UD-WL01 is required

Red text highlights expanded features from the model below (CLP-625).



CLP-645DW
Dark Walnut

CLP-645

Powerful sound and a superb wooden keyboard offer unprecedented levels of versatility to pianists of all abilities.



CLP-675R
Dark Rosewood

CLP-675

The new generation GrandTouch keyboard and finely-tuned 3-way speakers bring you the touch and feel of a real grand piano.



CLP-645PE
Polished Ebony



CLP-645B
Black



CLP-645R
Dark Rosewood



CLP-645WA
White Ash



CLP-645WH
White



CLP-675PE
Polished Ebony



CLP-675B
Black



CLP-675DW
Dark Walnut



CLP-675WA
White Ash



CLP-675WH
White



NWX keyboard with synthetic ivory and ebony keytops

Features solid wood construction with escapement similar to that used in a grand piano keyboard, delivering authentic touch.



2-way speakers

Dedicated drivers for mid- and high-frequency ranges provide astonishingly powerful sound.



Built-in Bluetooth audio

You can play along with music from your favorite music apps via the Clavinova's built-in Bluetooth interface.

Main Features

Sound

- CFX and Bösendorfer Imperial piano samples
- CFX Binaural sampling
- Improved VRM (Virtual Resonance Modeling)
- Smooth Release
- Key-Off samples
- 256-note polyphony
- 36 Voices

Touch

- NWX (Natural Wood X) keyboard with synthetic ebony and ivory keytops (wood is used for the white keys)
- Escapement

* The Clavinova comes with a book of music scores

Red text highlights expanded features from the model below (CLP-635).

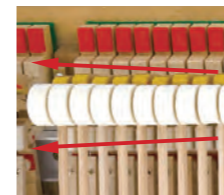
And more

- 128 x 64 full dot LCD
- Dual / Split / Duo
- Digital effects (Reverb/Chorus/Brilliance/Effect)
- 19 Voice Demo Songs+50 Piano Songs*+303 Lesson Songs
- 20 rhythms
- 16-track recording
- USB Audio Recorder (Playback / Recording: WAV)
- USB TO HOST and USB TO DEVICE
- Dual headphone jacks
- (25W + 25W) x 2 amplifiers
- (16cm + 8cm) x 2 speaker system
- Acoustic Optimizer
- Intelligent Acoustic Control (IAC)
- Stereophonic Optimizer
- Music rest clips
- Built-in Bluetooth for wireless connection to iPhone, iPad, iPod Touch or Android



GrandTouch keyboard with synthetic ivory and ebony keytops

Newly developed GrandTouch keyboards let pianists play subtle to strong tones more dynamically than ever before.



88-key Linear Graded Hammers

Faithfully reproduces the differences in the weight and return of each key. No two keys are alike.



3-way Speakers and Speaker Box

Dedicated speakers for the bass, mid, and treble registers deliver dynamic, inspiring sound. And the speaker box helps produce a fuller, more vibrant piano experience.

Main Features

Sound

- CFX and Bösendorfer Imperial piano samples
- CFX Binaural sampling
- Improved VRM (Virtual Resonance Modeling)
- Smooth Release
- Key-Off samples
- 256-note polyphony
- 36 Voices

Touch, Pedal

- GrandTouch keyboard with synthetic ebony and ivory keytops (wood is used for the white keys)
- Escapement
- 88-key Linear Graded Hammers
- GP Response Damper Pedal

* The Clavinova comes with a book of music scores

Red text highlights expanded features from the model below (CLP-645).

And more

- 128 x 64 full dot LCD
- Dual / Split / Duo
- Digital effects (Reverb/Chorus/Brilliance/Effect)
- 19 Voice Demo Songs+50 Piano Songs*+303 Lesson Songs
- 20 rhythms
- 16-track recording
- USB Audio Recorder (Playback / Recording: WAV)
- USB TO HOST and USB TO DEVICE
- Dual headphone jacks
- (35W + 50W + 20W) x 2 amplifiers
- (16cm + 8cm + 5cm) x 2 speaker system
- Speaker Box
- Acoustic Optimizer
- Intelligent Acoustic Control (IAC)
- Stereophonic Optimizer
- Music rest clips
- Built-in Bluetooth for wireless connection to iPhone, iPad, iPod Touch or Android



CLP-685PE
Polished Ebony

CLP-685

The finest GrandTouch keyboard and sound system combine to give you the ultimate grand piano experience.



CLP-685B
Black



CLP-685PWH
Polished White



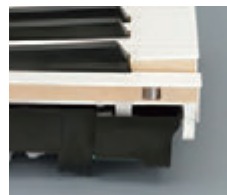
CLP-665GP
Polished Ebony

CLP-665GP

Enjoy the luxurious appearance of a grand piano cabinet with a polished finish, as well as grand piano touch and tone.



CLP-665GPWH
Polished White



Key counterweight

Counterweights, just like those found in grand piano keyboards, are used to adjust key balance, allowing the use of delicate pianissimo from anywhere on the key.



Spruce Cone speaker

Using pulp from the same wood used to make acoustic piano soundboards, the Spruce Cone Speakers deliver a more natural, piano-like sound.



Acoustic piano-style design

Stylish design allows you to open the rotating lid and place a score on the stand in one smooth, comfortable movement.

Main Features

Sound

- CFX and Bösendorfer Imperial piano samples
- CFX Binaural sampling
- Improved VRM (Virtual Resonance Modeling)
- Smooth Release
- Key-Off samples
- 256-note polyphony
- 49+480 XG Voices+GM2/GS (Song file playback)

Touch, Pedal

- GrandTouch keyboard with synthetic ebony and ivory keytops (wood is used for the white keys)
- Escapement
- Counterweight
- 88-key Linear Graded Hammers
- GP Response Damper Pedal



And more

- 128 x 64 full dot LCD
- Dual / Split / Duo
- Digital effects (Reverb/Chorus/Brilliance/Effect)
- 19 Voice Demo Songs+50 Piano Songs*+303 Lesson Songs
- 20 rhythms
- 16-track recording
- USB Audio Recorder (Playback/Recording:WAV)
- USB TO HOST and USB TO DEVICE
- Dual headphone jacks
- (50W+50W+50W)x2 amplifiers
- (16cm+8cm+2.5cm(dome))x2 speaker system
- Spruce Cone speakers
- Speaker Box
- Acoustic Optimizer
- Intelligent Acoustic Control (IAC)
- Stereophonic Optimizer
- Music rest clips
- Folding key cover
- Built-in Bluetooth for wireless connection to iPhone, iPad, iPod Touch or Android

* The Clavinova comes with a book of music scores

Red text highlights expanded features from the model below (CLP675).



Mini Grand cabinet with custom-designed sound system

Grand piano style and design brings elegance to any room. Deep and expansive grand piano sound reflects powerfully off the piano lid.



Two incredible grand piano Voices

Voices from the CFX, our finest concert grand piano, and Bösendorfer's legendary Imperial. All 88 keys are sampled individually.



GH3X keyboard with synthetic ivory and ebony keytops

Escapement mechanism reproduces the depth resistance characteristic of a grand piano along with improved key return and response.

Main Features

Sound

- CFX and Bösendorfer Imperial piano samples
- CFX Binaural sampling
- Improved VRM (Virtual Resonance Modeling)
- Smooth Release
- Key-Off samples
- 256-note polyphony
- 36 Voices

Touch

- GH3X (Graded Hammer 3X) keyboard with synthetic ebony and ivory keytops
- Escapement

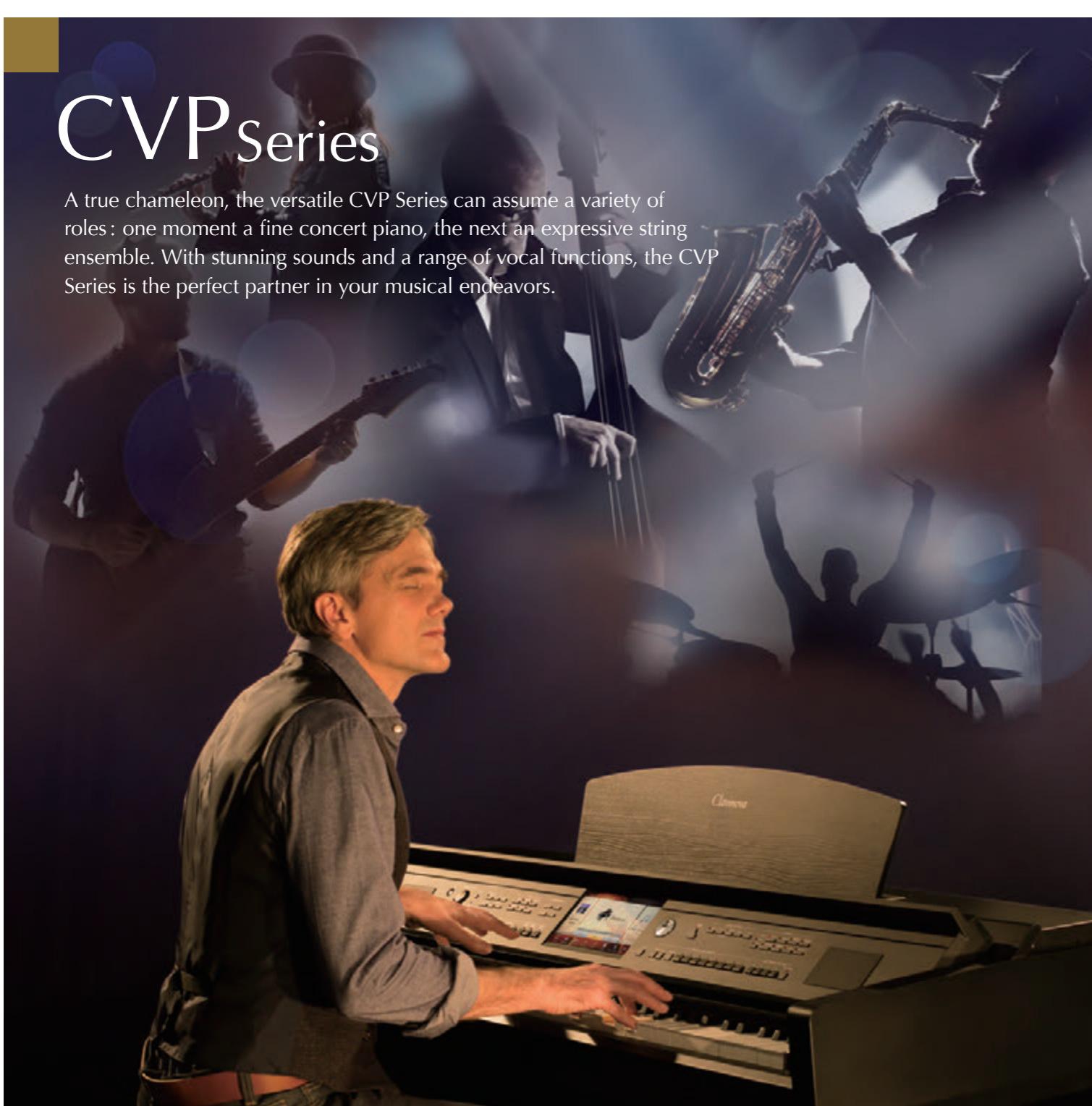
And more

- 128 x 64 full dot LCD
- Dual / Split / Duo
- Digital effects (Reverb/Chorus/Brilliance/Effect)
- 19 Voice Demo Songs+50 Piano Songs*+303 Lesson Songs
- 20 rhythms
- 16-track recording
- USB Audio Recorder (Playback/Recording:WAV)
- USB TO HOST and USB TO DEVICE
- Dual headphone jacks
- (25W+10W)x2 amplifiers
- (16cm+5cm)x2 speaker system
- Speaker Box
- Acoustic Optimizer
- Intelligent Acoustic Control (IAC)
- Stereophonic Optimizer
- Music rest clips
- Built-in Bluetooth for wireless connection to iPhone, iPad, iPod Touch or Android

* The Clavinova comes with a book of music scores

CVP Series

A true chameleon, the versatile CVP Series can assume a variety of roles: one moment a fine concert piano, the next an expressive string ensemble. With stunning sounds and a range of vocal functions, the CVP Series is the perfect partner in your musical endeavors.



Realistic instrument Voices



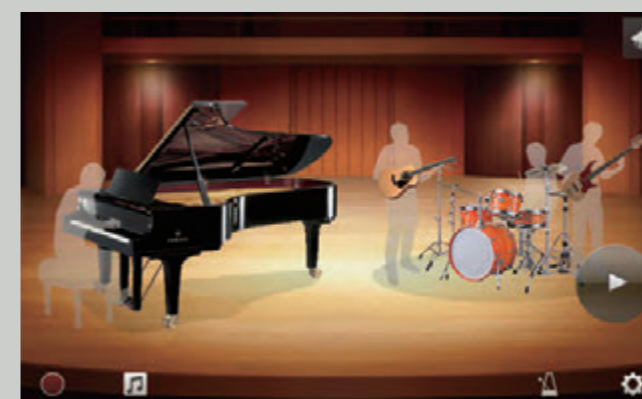
Be inspired by a variety of instruments, each reproduced in perfect detail

From breathy saxophones to ringing guitars and warm, resonant strings, the CVP Series features an impressive collection of natural instrument Voices. Thanks to acclaimed Super Articulation technology, the distinctive characteristics of each instrument are reproduced in incredible detail as you play.

Explore a wide variety of backing Styles

Liven up your playing with ensemble performances and professional backing bands

Featuring a wide array of backing Styles, the CVP Series allows you to enjoy great-sounding performances with polished introductions and endings, delivering authentic accompaniments that will enhance your playing across a diverse range of musical genres. In addition, the CVP-709 offers Audio Styles that feature real recordings of professional percussionists from all over the world.



The sound you've always dreamed of awaits you

Enter the Piano Room, where you can customize everything—from the acoustics of the venue, to the size and character of the piano, and the musicians with whom you're performing. The Clavinova offers a wealth of options to tailor the sound as you like, and even make musical discoveries you never even considered. Let your imagination run wild with Clavinova!

Sing along with Clavinova



Connect a microphone to your Clavinova and enjoy fun and inspiring Karaoke features. The CVP Series will add natural harmonies to your voice as you sing, and can even mute the vocals of songs from your audio music library. You can view song lyrics* on the LCD screen and change the tempo and pitch of the songs themselves.

*Lyric display is only available when the audio contains the lyric data

An intuitive interface for music enjoyment



Easy and convenient screen

The touch panel LCD screen makes using features easy and intuitive. The screen can also display music in an easy-to-read format, and offers useful features such as automatic page turning and a bouncing ball that leads you through challenging passages.

Guide Lamps

Buy MIDI data online and play it on the CVP. Practice songs by following the Guide Lamps, which indicate the keys to play.

Expand your enjoyment with app and the audio recorder

Discover the chords in audio tracks instantly with the Yamaha Chord Tracker app, and then arrange and play along with them on the CVP. You can record your performance with the USB Audio Recorder as well.

Be creative with the CVP

With the ability to arrange your own accompaniment Styles, the CVP is also a great tool for creating music.

Irresistible for music lovers

- A variety of instrument Voices
- Many different genres of auto accompaniments (Styles) to play along with
- Guide Lamps to teach you how to play
- Mic features to enjoy singing
- USB audio recorder to record your performance
- Intuitive touch screen panel
- Exclusive or general apps for added enjoyment





CVP-701B
Black

CVP-701

Musical fun and entertainment for the entire family.



CVP-701PE
Polished Ebony



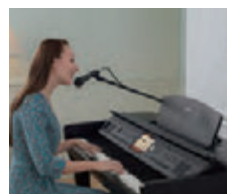
A diverse library of sound

From the superb sound of keyboard instruments such as the CFX Yamaha concert grand and the Bösendorfer Imperial, to strings, percussion, and even choirs and other effect sounds, the CVP features a huge variety of voices.



Styles (Automatic accompaniment)

Enjoy ensemble performances together with a range of different instruments, so that you can play with your own backing band, even when you're on your own.



Comprehensive suite of karaoke functions

Call up song lyrics on the display and connect a microphone to enjoy performing karaoke in the comfort of your own home.

■ Main Features

Sound

- CFX and Bösendorfer Imperial piano samples
- VRM (Virtual Resonance Modeling)
- Smooth Release
- Key-Off samples
- 256-note polyphony
- 777 Voices + 480 XG + 29 Drum / SFX
- 49 Super Articulation! Voices

Touch

- H3X (Graded Hammer 3X) keyboard with synthetic ivory keytops
- Escapement

And more

- 310 Styles
- Music Finder
- Style Recommender
- 49 internal songs
- Guide function / Guide lights
- USB Audio Recorder (Playback / Recording: WAV)
- Color 4.3 inch display (480 x 272 dots)
- Piano Room
- Karaoke features
- USB to Device
- Dual headphone jacks / Mic Input
- 25W x 2 amplifiers
- 16cm x 2 speaker system
- Acoustic Optimizer
- Intelligent Acoustic Control (IAC)
- Stereophonic Optimizer
- Connect an iPhone, iPad or iPod touch*

* The CVP-701 does not offer wireless connectivity. For wired connection, refer to "iPhone / iPad Connection Manual" (<http://download.yamaha.com/>)



CVP-705B
Black

CVP-705

Give your inner musician more Voices, more Styles and wireless iPad connectivity for countless hours of digital piano entertainment.



CVP-705PE
Polished Ebony



Touch panel

Intuitive operation allows quick and easy access to a broad range of functions.



Natural Wood X (NWX) keyboard with a synthetic ivory finish

With white keys crafted from carefully selected natural wood, the keyboard of the CVP-705 has an exquisite touch approaching that of a grand piano.



Connect to your iPhone / iPod touch / iPad

Allows wireless connection of iPhone / iPad to enjoy expanded functionality with Yamaha apps.

■ Main Features

Sound

- CFX and Bösendorfer Imperial piano samples
- VRM (Virtual Resonance Modeling)
- Smooth Release
- Key-Off samples
- 256-note polyphony
- 984 Voices + 480 XG + 33 Drum / SFX
- 114 Super Articulation! Voices

Touch

- NWX (Natural Wood X) keyboard with synthetic ivory keytops
- Escapement

And more

- 470 Styles
- Music Finder
- Style Recommender
- 118 internal songs
- Guide function / Guide lights
- USB Audio Recorder (Playback / Recording: WAV / MP3)
- Color 7 inch touch display (800 x 480 dots)
- Piano Room
- Karaoke features / Vocal Harmony 2
- USB to Device x 2
- Dual headphone jacks / Mic Input
- RGB Output
- (50W+20W) x 2 amplifiers
- (16cm + 5cm) x 2 speaker system
- Acoustic Optimizer
- Intelligent Acoustic Control (IAC)
- Stereophonic Optimizer
- Music rest clips
- Connect an iPhone, iPad or iPod touch wirelessly

Red text highlights expanded features from the model below (CVP-701).



CVP-709PE
Polished Ebony

CVP-709

The finest piano sound and touch in the most advanced Clavinova ever.



CVP-709GP
Polished Ebony

CVP-709GP

How could Yamaha improve the design of the ultimate Clavinova CVP-709 digital piano? Put it in a polished grand piano cabinet.



CVP-709PWH
Polished White



CVP-709B
Black

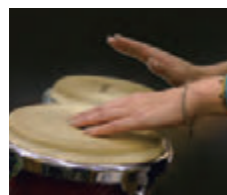


CVP-709GPWH
Polished White



The finest piano functions

An 88-key linear graded hammer wooden keyboard fitted with counterweights offers a superb touch similar to that of a grand piano, and a delicate touch for improved playability when using techniques such as pianissimo.



Perform with realistic backing bands

The CVP-709 features "Audio Styles"—performance Styles created from recordings of the best drummers and percussionists from around the world—that deliver atmospheric percussion sounds for incredibly realistic performances.



Innovations for a more resonant sound

With speaker cones constructed of the same spruce as used in piano sound boards for a crisp, detailed sound, the CVP-709 also features subwoofers with a twisted flare port construction that deliver a superbly resonant bass.

■ Main Features

Sound

- CFX and Bösendorfer Imperial piano samples
- VRM (Virtual Resonance Modeling)
- Smooth Release
- Key-Off samples
- 256-note polyphony
- 1,270 Voices + 480 XG + 37 Drum / SFX
- 22 Super Articulation!2 Voices
- 225 Super Articulation! Voices

Touch

- NWX (Natural Wood X) keyboard with synthetic ivory keytops
- Escapement
- Counterweight
- 88-key Linear Graded Hammers

And more

- 600 Styles (including Audio Styles)
- Music Finder
- Style Recommender
- 118 internal songs
- Guide function / Guide lights
- USB Audio Recorder (Playback / Recording: WAV / MP3)
- Color 8.5 inch touch display (800 x 480 dots)
- Piano Room
- Karaoke features / Vocal Harmony 2
- USB to Device x 2
- Dual headphone jacks / Mic Input
- RGB Output
- (30W+30W+20W) x 2 + 40W amplifiers
- (16cm+5cm+3cm(Dome)) x 2 + 20cm speaker system
- Acoustic Optimizer
- Intelligent Acoustic Control (IAC)
- Stereophonic Optimizer
- Spruce Cone speakers
- Twisted flare ports
- Music rest clips
- Connect an iPhone, iPad or iPod touch wirelessly

Red text highlights expanded features from the model below (CVP-705).



Mini Grand cabinet

Grand piano style and design.



Custom-designed sound system

The specially-designed sound system of the CVP-709GP utilizes the entire body of the instrument to provide the deep, resonant sound and broad dynamic range of a grand piano.



Two incredible grand piano Voices

Voices from the CFX, Yamaha's finest concert grand piano, and Bösendorfer's legendary Imperial. All 88 keys are sampled individually.

■ Main Features

Sound

- CFX and Bösendorfer Imperial piano samples
- VRM (Virtual Resonance Modeling)
- Smooth Release
- Key-Off samples
- 256-note polyphony
- 1,270 Voices + 480 XG + 37 Drum / SFX
- 22 Super Articulation!2 Voices
- 225 Super Articulation! Voices

Touch

- NWX (Natural Wood X) keyboard with synthetic ivory keytops
- Escapement
- Counterweight
- 88-key Linear Graded Hammers

And more

- 600 Styles (including Audio Styles)
- Music Finder
- Style Recommender
- 118 internal songs
- Guide function / Guide lights
- USB Audio Recorder (Playback / Recording: WAV / MP3)
- Color 8.5 inch touch display (800x480 dots)
- Piano Room
- Karaoke features / Vocal Harmony 2
- USB to Device x 2
- Dual headphone jacks / Mic Input
- RGB Output
- (30W+30W+20W) x 2 + 40W amplifiers
- (16cm+5cm+3cm(Dome)) x 2 + 20cm speaker system
- Acoustic Optimizer
- Intelligent Acoustic Control (IAC)
- Stereophonic Optimizer
- Spruce Cone speakers
- Twisted flare ports
- Music rest clips
- Connect an iPhone, iPad or iPod touch wirelessly



Experience the expressive power of a grand piano with Clavinova



Real grand piano sound, just for you

With two world-renowned concert grand pianos available at the touch of a button, the Clavinova lets you choose the perfect piano tone for the music you want to play. Offering far more than just sampled sound, the Clavinova reproduces the expressive characteristics of these two unique instruments in meticulous detail.



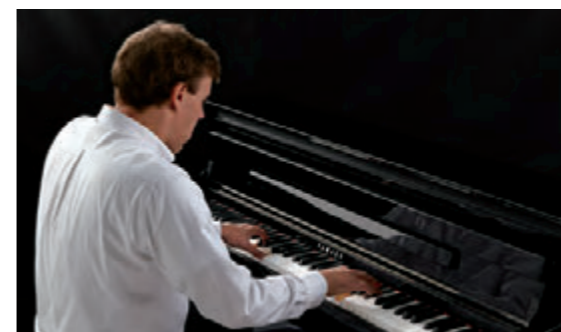
The sound of some of the finest concert grand pianos in the world

The Yamaha CFX, our flagship 9' concert grand piano, offers sparkling highs and a powerful resonant bass with a sound that projects to the furthest reaches of any concert hall. The Bösendorfer Imperial is a piano known throughout its long history for its classic Viennese sound. Both are outstanding pianos characterized by distinctive traits of power, versatility, subtlety and lightness. Both are found only in a Clavinova digital piano.



Superb playability and feel

Pianists know that playing well relies on everything from the touch of the keyboard to the feel of the pedals. Selected models incorporate additional features which enhance the playing experience including escapement, counterweights, GP Response Damper Pedal and our acclaimed Virtual Resonance Modeling (VRM) technology. VRM reproduces the resonance characteristics of every string in nuanced detail, resulting in a dynamic tonal quality that has to be heard to be believed.



Practice made perfect

With Clavinova, practice is something to look forward to, making it easy to improve your performance.

The CLP Series uses some of the most widely accepted exercises in the world to train your hands. You can explore proven methods from Hanon, Bayer, Czerny and Burgmüller. The CVP Series even features a user-friendly screen that displays easy-to-read score notation.



The recording functions are useful when you want to review or archive your playing. You can capture up to 16 tracks for simultaneous playback using different sounds, or record each hand separately for practice and study.

Clavinova Technology

Innovation for effortless performance

Clavinova is an innovative lineup of digital pianos that have continued to evolve while seeking to provide the touch and tone of a concert grand piano—the ultimate symbol of piano excellence. This authentic grand piano experience is the product of the knowledge and expertise that Yamaha has accumulated over more than 125 years of crafting acoustic pianos. Utilizing state-of-the-art technology to achieve grand piano quality, Clavinova digital pianos offer an inviting playing experience that is perfect for players of all levels. They emulate the touch and tone of a grand piano to make the transition from digital to acoustic piano a seamless and enjoyable one.

Exquisite sound



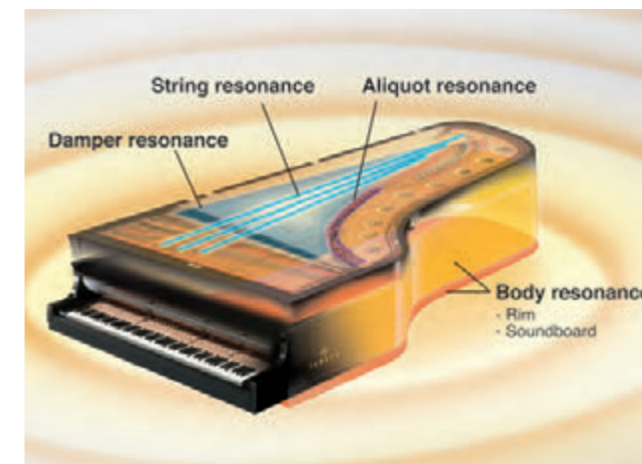
The tone of the finest concert grand pianos in the world

The tone of the finest concert grand pianos in the world, the CFX—Yamaha's finest concert grand selected and played by the winner of the 2010 International Chopin Piano Competition—and the Imperial from

Bösendorfer—a brand held in high esteem by pianists throughout its long history—are renowned pianos characterized by distinctive traits such as power, versatility, subtlety, lightness and mellowness. Both of

these superb pianos' Voices are featured in the Clavinova. Tuned to perfection by a highly experienced piano technician with the sound from all 88 keys sampled individually, Clavinova truly captures the unique tonal character of each of these outstanding instruments. With your Clavinova, you can enjoy the exquisite beauty of the sought-after tone that the CFX and Bösendorfer Imperial deliver.

VRM physical modeling—the distinctive reverberation generated by the entire body of a concert grand piano



In a grand piano, sound resonates throughout the body of the instrument, producing a rich reverberation that envelops the listener in sound. This phenomena is reproduced perfectly in the Clavinova through enhanced Virtual Resonance Modeling (VRM)*. The original VRM** calculates the various states of the strings for each of the 88 notes on the keyboard, from one instant to the next, and timing and depth of damper pedals pressed. The enhanced VRM now also calculates aliquot resonance in the upper octaves, and the full resonance of the soundboard, rim, and frame. This technology allows for vivid, bright, richly-varied expression that reflects the limitless number of factors inherent in piano performance.

* Featured on the CLP-635 / 645 / 675 / 685 / 665 GP

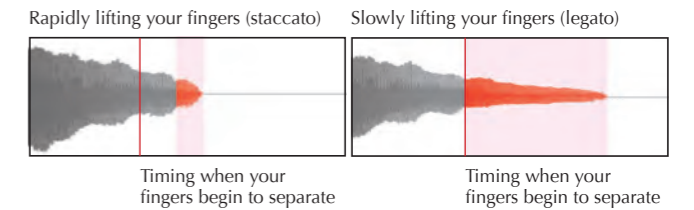
** Featured on the CVP-701 / 705 / 709 / 709GP

From staccato to legato—superbly expressive sound that responds to the player's touch

Featuring Yamaha Smooth Release technology, Clavinova offers the crisp tone heard when playing staccato as well as the lingering sound produced by

releasing the keys more. This provides finely-nuanced response to the pianist's playing.

Benefits of Smooth Release



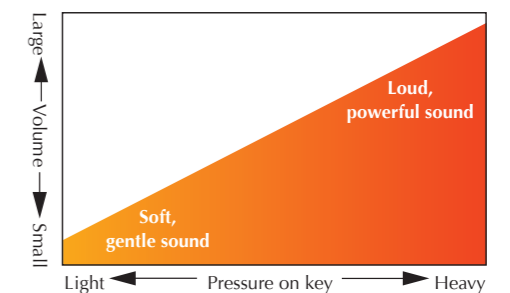
Smooth tonal transformations perfectly matched to key pressure

Sound in an acoustic piano attenuates over a long time. Pianists can change the volume of the sound—as well as its dynamics—to achieve both mellow and bright tones by simply changing the pressure they apply to the keys.

The Clavinova features long, carefully-sampled recordings of notes on a piano, reproduces them in rich detail and utilizes unique Yamaha technologies to achieve smooth tonal transitions in response to the touch of the player.

Additionally, the Clavinova has been repeatedly tested and adjusted by numerous pianists in order to attain a performance feel similar to that of a grand piano.

Variations of sound according to touch



Key-Off samples

The moment a pianist's fingers are lifted from the keys of a grand piano, subtle changes occur in the instrument's tone as the damper is lowered onto the strings to mute its sound. Key-Off samples features actual recordings of these changes, offering a faithful reproduction of the most subtle changes in the piano's sound, allowing for a more realistic performance.

Superb playability and feel



Built on a legacy of concert grand piano craftsmanship

Grand Piano keyboards are characterized by a light feel when played gently, and a heavier feel when played with more strength. Conversely, a non-grand piano keyboard has a uniform resistance regardless of whether the player uses a gentle or heavy touch. This has traditionally been one of the most significant differences between the touch of a grand piano and that of a digital piano. However, when developing GrandTouch* keyboard action, Yamaha sought to reproduce the true key resistance that is unique to the grand piano, with greater fidelity. The result is an instrument with a more responsive touch, offering a greater dynamic range than ever before. Now you can experience a much more controlled, nuanced sound when playing softly, or powerful, brighter tones when playing with a stronger touch — just like that of a grand piano.

*Featured on the CLP-675 / 685

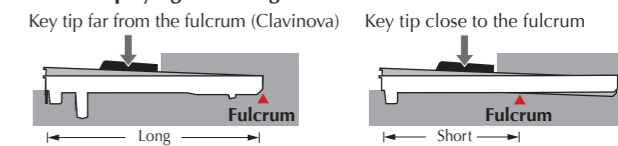
Achieve true balance

Pianists prefer grand pianos not only because of the way they sound, but also because of the way the keys respond to their touch. When grand piano keys are struck, there is a certain weight or resistance to the touch. Similarly, when keys are released, they return to a resting position based on the balance between the key and the internal mechanics of the keyboard. It is difficult to reproduce the natural return of the keys of a grand piano in a digital piano, due to differences in the mechanics. Yamaha carefully studied these characteristics when developing the GrandTouch keyboard, and has now reproduced this fine balance in the Clavinova digital piano. The result is GrandTouch - detailed grand piano feel that allows for uniform tone control, precise rhythm and smooth melodic expression - fundamental to an exceptional musical performance.

Leverage your artistic expression

When playing a digital piano, the back area of the keys may prove to be a challenge to full musical expression. This is because the back of the key is closest to the fulcrum of the action. The closer to this pivot point that you strike the key, the less leverage you have and the more strength you need to apply. The greater length of GrandTouch keys give the player MORE leverage, allowing for better expressive control, even at the backs of the keys. This is the same support length found on the Yamaha S3X premium grand piano (as of April 2017), and is the longest support length used on any digital piano.

■ Ease of playing according to distance to the fulcrum



GrandTouch key tips are far from the fulcrum, so the keys sink smoothly when played near the base

Natural Wood X keyboard— the feel of an acoustic grand



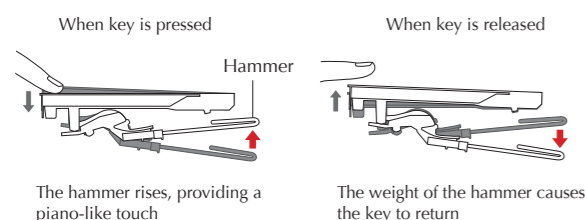
Natural Wood X (NWX) keyboards are created using unrivaled expertise that Yamaha has acquired through more than a century of crafting fine pianos.

Just as with grand pianos, the material used for Natural Wood X keyboards is cut from wood that has been carefully dried specifically for use in making musical instruments. Only the best wood from the finest part of each tree is selected, resulting in a keyboard that is more resistant to buckling and warping than common laminated wood keyboards.

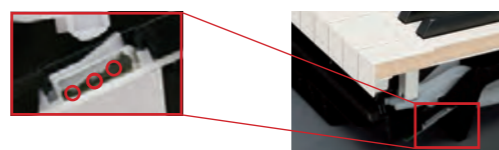
The Yamaha Natural Wood X keyboard features the same action and three-sensor configuration as Graded Hammer 3X keyboards, which accurately senses and interprets the behavior of the keyboard for a response that feels very similar to that of a grand piano. This allows you to vividly perform smooth, flowing passages or light trills, techniques used in many pieces such as Für Elise.

Featured on the CLP-645, CVP-705 / 709 / 709GP

■ NWX / GH3X Keyboard Structure



■ Three sensors accurately sense the motion of keys



The Graded Hammer 3X Keyboard (GH3X)



The touch of the Clavinova keyboard has been praised by pianists for a performance feel that makes you forget you're playing a digital piano, offering authentic response to the force of your touch and a natural key return. Utilizing the same hammering system and spring-less mechanism as a grand piano, GH3X actions accurately reproduce the touch of an acoustic piano from the heavy feel in the lower register to the lighter touch in the upper octaves.

Featured on the CLP-625 / 635 / 665GP, CVP-701

Escapement mechanism of Clavinova keyboards

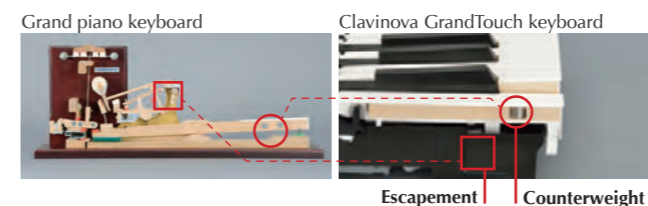
The escapement mechanism in a grand piano moves the hammers away from the strings quickly after they strike them, in order to prevent any interference with string vibration. This mechanism produces a slight clicking sensation when the keys are pressed gently. Since Real Grand Expression offers players superb sound, touch and pedaling, we decided to create an escapement that delivers outstanding playability, repetition, and response

without impeding performance. The Clavinova keyboards feature an escapement mechanism that reproduces this sensation near the bottom of the key dip. They have been designed in such a way that the click is discernible only on the lightest keystrokes, similar to the keyboard of a grand piano. These keyboards have been adjusted to provide additional friction that balances key repetition and response without impeding performance.

Key counterweights

Counterweights are embedded in the keys of a grand piano to balance the weight of the hammers and offer more precise control when playing delicately at low volumes. The Clavinova features carefully adjusted counterweights for improved playability when playing pianissimo with a light touch, and better key return in rapid passages. The keyboard of the Clavinova has been fine-tuned to offer optimal balance, emphasizing its superb playability and grand piano response.

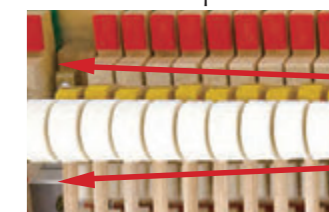
Featured on the CLP-685, CVP-709 / 709GP



88-key Linear Graded Hammers— the first digital piano keyboard ever to feature realistic weighting on every key

Every single key on a grand piano keyboard is weighted differently. This is because the strings for each note are slightly thinner and shorter in the treble register, becoming thicker and longer towards the bass register. The 88-key Linear Graded Hammers of the Clavinova is the first-of-its-kind to faithfully duplicate this graded touch with differing weights and key return on each one of its keys. This results in a feel and response that is astonishingly like that of a grand piano, and allows players to gain an appreciation of a more authentic touch.

Featured on the CLP-675 / 685, CVP-709 / 709GP



Grand piano hammers

Synthetic ebony and ivory keytops— a pleasure to play even after hours of performance

Our fingers are more sensitive than we think, and for pianists, the texture of the piano keys is extremely important. The Clavinova keyboard features white keys made from the highest quality synthetic ivory, developed independently by Yamaha. The black keys are finished in synthetic ebony. Synthetic ivory keytops reproduce the tactile surface of the real ivory keyboards once used in older acoustic pianos. It features highly absorbent material that prevents fingers from slipping even after hours of practice, while retaining the ideal texture and feel. Resulting from well over a century of

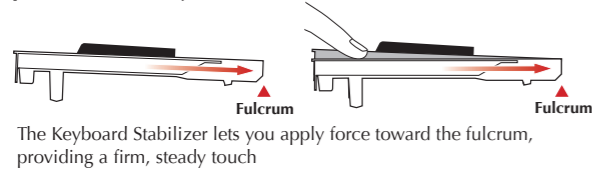
experience in making acoustic pianos, this exclusive Yamaha technology achieves a finish that feels natural and comfortable. In addition to the feel, the appearance and fine texture of these keys is unmatched by any other digital piano, and is sure to inspire pianists from the moment they experience it.

Featured on the CLP-625 / 635 / 645 / 675 / 685 / 665GP

Keyboard Stabilizers—unique Yamaha mechanisms for improved keyboard stability and durability

Keyboards fulfill the vital role of transforming emotion from your fingertips into sound and therefore, must be smooth to play in order to maintain superb touch for prolonged performances. That is why Yamaha has fitted Keyboard Stabilizers to all 88 keys, offering players a natural touch and improving the stability and durability of the keyboard.

Operation of the Keyboard Stabilizer



The mechanics of superior sound

Full-body resonance, just like an acoustic piano

Similar to an acoustic piano, the Clavinova is calibrated carefully, with speaker positioning and body materials checked to ensure that the entire instrument resonates optimally. For a sound image that is very close to the grand piano, these instruments feature Tone Escapement in several locations throughout the body that allow the sound from the speakers to be projected to the listener's ears without being trapped inside the instrument. The higher-end models in the CLP-600 Series feature dedicated DSPs, amplifiers and speakers. This vastly improves sound production, ensuring that the volume and quality of sound heard by the performer is flawless, with the output from each speaker arriving at the performer's ears in perfect synchrony.

Acoustic Optimizer

The speakers attached to the body exhibit a phenomenon in which, if nothing is done, the volume of the sound will increase due to the resonant frequency of the body. Conversely, installing pipes with the same resonant frequency within the body suppresses this resonance. Acoustic optimizers utilize this phenomenon.

The GP Response Damper Pedal provides an authentic grand piano pedal feel

Using the damper pedal subtly alters the nature of a piano's sound and is essential to providing the pianist with all the necessary expressive tools to convey their musical vision.

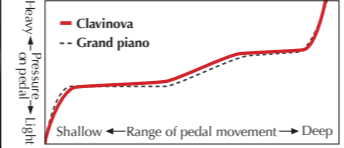
Clavinova digital pianos feature a damper pedal that continually detects depression depth and allows half-pedaling, which lets players make minute adjustments to pedal depression and return, changing the depth and character of their piano sound.

High-end models feature the GP Response Damper Pedal, which offers a grand piano-style resistance curve, starting out light to the touch and growing heavier as the pedal is depressed further. This allows players to become accustomed to the nuances of delicate pedaling.

Featured on the CLP-675 / 685, CVP-709 / 709GP



Response of GP Response Damper Pedal



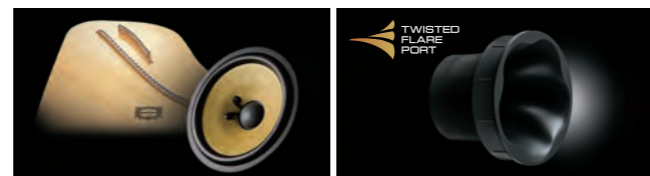
This improvement of the sound is something that has only been possible thanks to thorough knowledge of the internal acoustic characteristics of musical instruments.

Speaker innovations

Drawing from its experience in building both acoustic pianos and high-end speakers, the CLP-685 and the CVP-709/709GP speaker cones use pulp from the same spruce wood used to make acoustic piano soundboards. This results in a more natural, piano-like sound.

The Twisted Flare Port*, a new Yamaha technology, offers a clearer bass sound. The flared and gently twisted shape evenly diffuses the air flow through the port. Compared to a conventional port, the Twisted Flare Port reduces air turbulence noise, contributing to clear and accurate low frequency reproduction.

*Featured on the CVP-709 / 709GP



Concert hall performance in the comfort of your own home

The Stereophonic Optimizer—a new kind of headphone experience



When using headphones, the Stereophonic Optimizer lets players enjoy the dispersed sound heard when sitting in front of an acoustic piano. With the Stereophonic Optimizer, Voices sampled from acoustic pianos* appear to come from the body of the instrument. This provides a comfortable, natural experience that removes the drawbacks of performing with headphones.

*The CFX Voice utilizes binaural sampling technology

A fully immersive concert grand experience—even with headphones



Yamaha's advanced binaural sampling technology is now available on the Clavinova for the first time. The technology uses samples from the CFX, Yamaha's acclaimed concert grand piano, recorded with specialized microphones that capture locational information and other nuances discerned by the human ear. The resulting sound is so natural, so enveloping, that you'll soon forget you're even wearing headphones at all.

Once you choose the Yamaha CFX Grand Voice and put headphones on, the binaural sampled sound is automatically ready and no additional settings are required. Now with or without headphones, you can fully enjoy the concert grand experience at home.

Featured on the CLP-625 / 635 / 645 / 675 / 685 / 665GP

Bösendorfer

Originally founded in 1828, Bösendorfer holds a unique position amongst piano makers as the only manufacturer in the world still utilizing the Viennese tradition of hand-crafted design that produces the uniquely warm bass, singing treble and rich tonal colors known as the "Viennese Sound". The development of Bösendorfer pianos has been influenced by such famed composers as Brahms and Johann Strauss, resulting in an instrument lauded as the only piano capable of withstanding the frenetic playing of Franz Liszt.

Remaining true to this legacy of meticulous design and implementation, each Bösendorfer instrument is painstakingly crafted over many hours at the hands of highly-experienced craftsmen.

In 2008, Bösendorfer became part of the Yamaha Group and in 2014, the revered tone of the Bösendorfer Imperial was featured in the Clavinova CLP Series.



Other Features

Unique to CVP

■ Accompaniment Styles

Style allows the CVP to provide accompaniment for performances with your own backing orchestra or band by simply playing a chord with your left hand. You can use Styles to add intros and endings, insert fills and even arrange songs in real time. They cover a wide range of genres including pop, jazz, Latin and even orchestral.

■ Style Recommender and Music Finder

The CVP features two functions that support performing with Styles.

Style Recommender

An intelligent function that searches for an accompaniment Style suitable for the type of music you want to play. Just tap a few bars of a simple rhythm to have Style Recommender display a list of appropriate accompaniments.

Music Finder

Music Finder gives you instant access to the best accompaniment Styles and Voices for the specific song you want to play. Just select a song title to have the CVP call-up the perfect settings for that song. Music Finder also lets you register and search for song data and audio files stored in the Clavinova or in external USB flash memory.

General functions

■ Multi-track Song Recorder

The recording function featured in Clavinova digital pianos allows you to record your performances* with a single touch, which is useful when you want to review your playing objectively. Additionally, you can record up to 16 tracks** for simultaneous playback, so different hands can be recorded separately or overdub parts with different Voices.

* Recordings are made in MIDI format, and can also be recorded to USB flash memory. Compatible software is required for playback of recorded data on a computer

** Two tracks on the CLP-625

■ Vocal Harmony

Whether you're accompanying your own vocals or enjoying karaoke, the **Vocal Harmony** feature provides rich, vibrant harmonies as a chorus backing, even when you're singing alone. You can also add effects to your vocal lines, such as a vocoder that will add a robotic feel to your voice.

Featured on the CVP-705 / 709 / 709GP

■ Super Articulation Voices/Super Articulation 2 Voices

Super Articulation Voices* reproduce the unique performance characteristics (articulations) of each instrument. Guitar fret noise or breathing for saxophones are triggered by playing with different velocities, or by using the pedal. Super Articulation 2 Voices** are even more advanced, featuring more realistic reproductions of the legato and staccato performance techniques so essential to playing bowed and wind instruments. By simply varying touch and playing techniques, Super Articulation 2 Voices will automatically add significant authenticity to your sound.

* Featured on the CVP-701 / 705 / 709 / 709GP

** Featured on the CVP-709 / 709GP

■ USB Audio Recorder*

Record performances to USB flash memory and create audio files** you can save and play back on a computer, share with friends or create a CD.

* Not available on the CLP-625

** Data is saved in WAV format. The CVP-705 / 709 / 709GP also allow MP3 format

■ USB Connectivity

Connect the Clavinova to a computer or a USB memory device to manage your library.

USB TO DEVICE port 

USB TO HOST port 

Instrument apps and online services— use them together to expand your musical horizons

An additional Clavinova benefit: discover new ways to enjoy music through Yamaha apps and online services. A wide selection of song and sheet music files are at your fingertips.

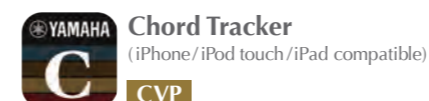
Other Features

If you use an iPad, iPhone or iPod touch, Yamaha apps will make playing more convenient and enjoyable. Perform a song and easily set the ideal Voice and accompaniment Style. Record your own performance and share it with a friend. Check out the entire library of Yamaha apps and find the ones that meet your needs.



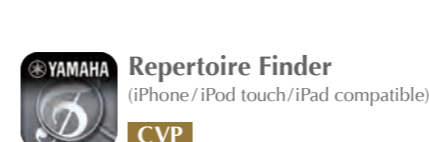
Some apps require a connection to your instrument. To use apps that require connectivity, a wireless or wired connection are necessary. For wired connection, refer to "iPhone / iPad Connection Manual" (<http://download.yamaha.com/>)

■ Recommended Apps



Did you ever wish you knew how to play the chords to a particular song? This intelligent app analyzes the audio of songs in your music library and creates chord charts for quick and easy learning. Connect any iOS device to your Clavinova to play along. CVP Series Clavinovas can even import the chords automatically creating authentic-sounding accompaniments* that leave you free to play the melody.

*Automatic accompaniment playback is only available on CVP Series models



Expand your repertoire by sharing song settings with other users. Want to play the latest hits? Simply make a request to the online community. Upload and share your own panel settings and registrations for others to enjoy.

There are many more apps for a wide range of uses. Detailed app information and downloads are here:

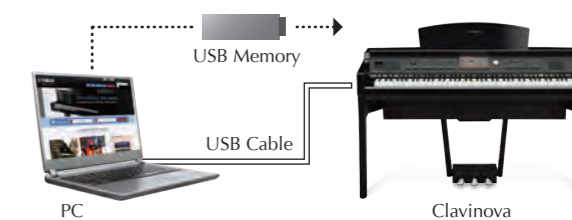
<http://yamaha.com/kbdapps/>

Some apps are only available in certain regions. App specs and other details may change without notice

Clavinova and Online Services

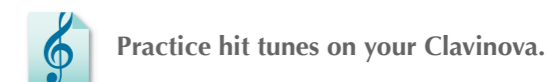
■ Yamaha MusicSoft website

Visit our Yamaha MusicSoft online store to browse thousands of play-along song files designed to help you play hit songs by your favorite artists. Download from a diverse collection of accompaniment Styles that put a professional band at your fingertips. New Styles are great for practice or performance and are a handy songwriting tool as well!

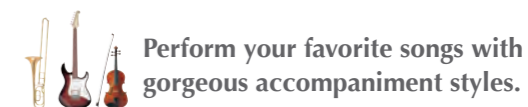


[Simple data transfer] All you need to manage your music with a personal computer is a USB flash memory device or a USB cable.

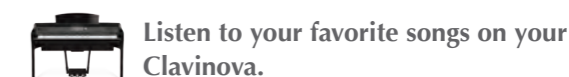
■ Easy access to Yamaha's exclusive library



You can purchase songs, one or more at a time, from Yamaha MusicSoft. New songs are added every month, so you can practice popular hits and add them to your repertoire.



Play back the song with the part that you will play, for example the piano part or the melody part, turned off. If it's a song with accompaniment styles, you can easily enjoy a gorgeous ensemble performance.



The Clavinova will play back songs that you choose. Select a number of songs and enjoy them as background music, or listen to them for hints on playing or arranging.

Access easy-to-understand videos introducing the various online services here:

Yamaha MusicSoft <http://yamahamusicsoft.com/>

Specifications

<CLP Series>

Model Name	CLP-685PE / 685B / 685PWH	CLP-675PE / 675R / 675DW / 675WA / 675WH	CLP-645PE / 645B / 645R / 645DW / 645WA / 645WH	CLP-635PE / 635B / 635R / 635DW / 635WA / 635WH	CLP-625PE / 625B / 625R / 625WH	CLP-665GP / 665GPWH		
Keyboard	GrandTouch Keyboard: wooden keys (white only), synthetic ebony and ivory key tops, escapement		NWX (Natural Wood X) keyboard: wooden keys (white only), synthetic ebony and ivory keytops, escapement		GH3X (Graded Hammer 3X) keyboard: synthetic ebony and ivory keytops, escapement			
Counter Weight	YES		-		-			
88-key Linear Graded Hammers	YES		-		-			
Touch Response	Hard2, Hard1, Medium, Soft1, Soft2, Fixed			Hard / Medium / Soft / Fixed		Hard2, Hard1, Medium, Soft1, Soft2, Fixed		
Voices	Piano Sound: Yamaha CFX, Bösendorfer Imperial, CFX Binaural Sampling							
Piano Effect	VRM, Smooth Release, Key-off Samples			Key-Off Samples, String Resonance, Damper Resonance, Smooth Release		VRM, Smooth Release, Key-off Samples		
Polyphony (max)	256							
Voice Selection	49 (Panel) + 480 (XG) + 14 (Drums) + GS (for Song playback) + GM + GM2		36		10		36	
Dual / Split / Duo	YES / YES / YES			YES / - / YES		YES / YES / YES		
Pedal	3 (Damper with half pedal effect, Sostenuto, soft)							
GP Response Damper Pedal	YES		-		-			
Effects	Types: Reverb: 6 / Chorus: 3 / Brilliance: 7 / Effect: 11			Reverb: 4		Reverb: 6 / Chorus: 3 / Brilliance: 7 / Effect: 11		
Song (MIDI)	Preset Songs: 21 (VoiceDemo), 50 (Classics), 303 (Lesson)		19 (VoiceDemo), 50 (PianoSong), 303 (Lesson)		10 (Voice Demo), 50 (Piano)		19 (Voice Demo), 50 (PianoSong), 303 (Lesson)	
Recording	No. of Songs	250		1		250		
	Record of Tracks	16		2		16		
USB Audio Recorder	Playback: WAV (44.1 kHz sample rate, 16 bit resolution, stereo)			-		WAV (44.1 kHz sample rate, 16 bit resolution, stereo)		
Recording	WAV (44.1 kHz sample rate, 16 bit resolution, stereo)			-		WAV (44.1 kHz sample rate, 16 bit resolution, stereo)		
Memory Device	Flash Memory (Internal): approx. 1.5 MB			approx. 900 KB		approx. 1.5 MB		
USB flash memory	YES			-		YES		
Display	Type / Size: Type: Full Dots LCD / Size: 128 x 64 dots			-		Type: Full Dots LCD / Size: 128 x 64 dots		
Language	English, Japanese			-		English, Japanese		
Other functions	Metronome: YES			-		20		
Rhythms	20			-		20		
Others	Tempo Range, Transpose, Tuning, Scale Type, etc.			Transpose, Tuning, etc.		Transpose, Tuning, Scale Type, etc.		
Connectors	USB TO DEVICE: YES			-		YES		
USB TO HOST	YES			-		YES		
Other Connectors	PHONES x 2, MIDI (IN / OUT / THRU), AUX PEDAL, AUX IN (Stereo Mini), AUX OUT (L/L+R,R)		PHONES x 2, MIDI (IN / OUT / THRU), AUX IN (Stereo Mini), AUX OUT (L/L+R,R)		PHONES x 2		PHONES x 2, MIDI (IN / OUT / THRU), AUX IN (Stereo Mini), AUX OUT (L/L+R,R)	
Sound System	Amplifiers: (50W + 50W + 50W) x 2		(35W + 50W + 20W) x 2		(25W + 25W) x 2		30W x 2	
Speakers	(16cm + 8cm + 2.5cm (dome)) x 2 Spruce Cone Speaker		(16cm + 8cm + 5cm) x 2		(16cm + 8cm) x 2		16cm x 2	
Speakers BOX	YES			-		-		
Acoustic Optimizer	YES			YES		-		
Intelligent Acoustic Control (IAC)	YES			YES		-		
Stereophonic Optimizer	YES			YES		-		
Power Consumption	Refer to note* below.			20W (When using PA-300C AC adaptor)		12W (When using AC adaptor PA-300C)		
Cabinet	Color Variation: Polished Ebony / Black / Polished White		Polished Ebony / Black / Dark Rosewood / Dark Walnut / White Ash / White		Polished Ebony / Black / Dark Rosewood / Dark Walnut / White Ash / White		Polished Ebony / Polished White	
Key Cover	Folding		Sliding		Sliding		Sliding	
Music Rest	YES, Music Rest Clips			-		-		
Headphones Hanger	YES			-		-		
Dimensions (W x D x H) (with the Music Rest / Lid up)	CLP-685PE / 685PWH: 1467x477 x 1029 mm [57-3/4"x18-3/4"x40-1/2"] CLP-685B: 1461x477x1027 mm [57-1/2"x18-3/4"x40-7/16"]		CLP-675PE: 1466x465x970 mm [57-11/16"x18-5/16"x38-3/16"] CLP-675R: 1466x465x1137 mm [57-11/16"x18-5/16"x44-3/4"] CLP-675B / 675R / 675DW / 675WA / 675WH: 1461x465x967 mm [57-1/2"x18-5/16"x38-1/16"] (1461x465x1136 mm) [57-1/2"x18-5/16"x44-1/16"]		CLP-645PE: 1466x459x930 mm [57-11/16"x18-1/16"x36-5/8"] (1466x459x1097 mm) [57-11/16"x18-1/16"x43-3/16"] CLP-645B / 645R / 645DW / 645WA / 645WH: 1461x459x927 mm [57-1/2"x18-1/16"x36-1/2"] (1461x459x1096 mm) [57-1/2"x18-1/16"x43-1/8"]		CLP-635PE: 1353x415x832 mm [53-1/4"x16-5/16"x32-3/4"] (1353x415x1004 mm) [53-1/4"x16-5/16"x39-1/2"] CLP-635B / 635R / 635DW / 635WA / 635WH: 1350x414x831 mm [53-1/8"x16-5/16"x32-1/16"] (1350x414x1003 mm) [53-1/8"x16-5/16"x39-1/2"]	
Weight	CLP-685PE / 685PWH: 89.0 kg [196 lbs., 3 oz.] CLP-685B: 83.0 kg [183 lbs., 0 oz.]		CLP-675PE: 71.0 kg [156 lbs., 8 oz.] CLP-675B/675R/675DW/675WA/675WH: 69.0 kg [152 lbs., 2 oz.]		CLP-645PE: 66.0 kg [145 lbs., 8 oz.] CLP-645B/645R/645DW/645WA/645WH: 60.0 kg [132 lbs., 4 oz.]		CLP-635PE: 62.0 kg [136 lbs., 11 oz.] CLP-635B/635R/635DW/635WA/635WH: 56.0 kg [123 lbs., 7 oz.]	
Optional Accessories**	Headphones HPH-150 / HPH-100 / HPH-50 Footswitches FC4A / FC5 (CLP-685) Foot controller FC7 (CLP-685) USB Wireless LAN Adaptor UD-WL01 AC power adaptor: PA-300C or an equivalent recommended by Yamaha (CLP-635) Wireless MIDI Adaptor MD-BT01 / UD-BT01			Headphones HPH-150 / HPH-100 / HPH-50 AC power adaptor: PA-300C or an equivalent recommended by Yamaha Wireless MIDI Adaptor MD-BT01 / UD-BT01		Headphones HPH-150 / HPH-100 / HPH-50 USB Wireless LAN Adaptor UD-WL01 AC power adaptor: PA-300C or an equivalent recommended by Yamaha Wireless MIDI Adaptor MD-BT01 / UD-BT01		

* Power consumption is described on or near the name plate, which is at the bottom of the unit. **Availability of optional accessories varies by area

<CVP Series>

Model Name	CVP-709GP / 709GPWH	CVP-709PE / 709B / 709PWH	CVP-705PE / 705B	CVP-701PE / 701B
Keyboard	NWX (Natural Wood X) keyboard: wooden keys (white only), synthetic ivory keytops, escapement			GH3X (Graded Hammer 3X) keyboard: synthetic ivory keytops, escapement
Touch Response	Hard2, Hard1, Medium, Soft1, Soft2, Fixed			-
Piano Sound	Yamaha CFX, Bösendorfer Imperial			
Piano Effect	VRM, Key-off Samples, Smooth Release			
Polyphony (max.)	256			
Voices	Number of Voices: 1,270 Voices + 37 Drum / SFX Kits + 480 XG Voices		984 Voices + 33 Drum / SFX Kits + 480 XG Voices	
VRM Voices	13		13	
Super Articulation2 Voices	22		-	
Super Articulation Voices	225		114	
Mega Voices	54		30	
Others	67 Natural! Voices, 31 Sweet! Voices, 87 Cool! Voices, 131 Live! Voices, 30 Organ Flutes! Voices		46 Natural! Voices, 31 Sweet! Voices, 74 Cool! Voices, 86 Live! Voices, 30 Organ Flutes! Voices	
Voice Edit / Compatibility	Yes / XG, GS (for Song playback), GM, GM2			
Pedals	Half Pedal / Functions: Yes / Sustain, Sostenuto, Soft, Glide, Song Play / Pause, Style Start / Stop, Volume, etc.			
GP Response Damper Pedal	Yes			
Effects	Reverb (58 Preset + 3 User), Chorus (106 Preset + 3 User), Insertion Effect (322 Preset + 10 User), Variation Effect (322 Preset + 3 User)			Reverb (58 Preset + 3 User), Chorus (106 Preset + 3 User), DSP (295 Preset + 3 User)
Effect Types	Master Compressor (5 Preset + 5 User), Master EQ (5 Preset + 2 User), Part EQ (27 Parts), Intelligent Acoustic Control (IAC), Stereophonic Optimizer			
Vocal Harmony	VH2 (44 Preset + 60 User)			
Dual (Layer) / Split	Yes			
Styles	Style Selection: 600 (30 Audio Styles, 473 Pro Styles, 52 Session Styles, 9 Free Play Styles, 36 Pianist Styles)		470 (396 Pro Styles, 34 Session Styles, 4 Free Play Styles, 36 Pianist Styles)	
File Format	Style File Format GE (Guitar Edition)			
Fingering	Single Finger, Fingered, Fingered On Bass, Multi Finger, AI Fingered, Full Keyboard, AI Full Keyboard			
Style Control	INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3			
Music Finder (max.)	2,500 Records		1,200 Records	
One Touch Setting (OTS)	4 for each Style			
Others	Style Recommender, Style Creator			
Songs (Audio)	Recording Time (max.): 80 minutes / Song			
Data Format (Recording / Playback)	WAV, MP3			WAV
Functions	Time Stretch, Pitch Shift, Vocal Cancel			
Preset Songs	124			65
Songs (MIDI)	Recording: Number of Tracks: 16		-	
Data Capacity	approx. 300 KB / Song			
Compatible Data Format	Recording: SMF (Format 0), Playback: SMF (Format 0 & 1), XF			
Functions	Registration Memory: Number of Buttons: 8		-	
Control	Registration Sequence, Freeze			
Lesson / Guide	Follow Lights, Any Key, Karao-Key, Your Tempo			
Functions	Guide Lamps, Performance Assistant Technology (PAT)			
Piano Room	Yes			
Others	Demo, Metronome, Tempo, Transpose, Tuning, 9 Scale Types			
Storage and Connectivity	Internal Memory: approx. 6.3 MB		approx. 2.4 MB	
External Memory	USB Flash Drive			
RGB OUT	Yes			
Connectivity	USB TO DEVICE x 2, USB TO HOST			
USB Connection	USB TO DEVICE, USB TO HOST			
Other connectivity	Phones x 2, MIC (Input Volume, Mic / Line In), MIDI (IN / OUT / THRU), AUX IN (Stereo mini), AUX OUT (L/L + R,R), AUX PEDAL			
Sound System	Amplifiers: (30W + 30W + 20W) x 2 + 40W		(50W + 20W) x 2	
Speakers / Others	(16cm + 5cm + 3cm (dome)) x 2 + 20cm [(6-5/16" + 1-15/16" + 1-3/16") x 2 + 7-7/8"] / Acoustic Optimizer, Spruce Cone Speaker, Twisted Flare Port		(16cm + 5cm) x 2 [(6-5/16" + 1-15/16") x 2] / Acoustic Optimizer	
16cm x 2	-		16cm x 2 [6-5/16" x 2] / Acoustic Optimizer	
Control Interface	Type: TFT Color LCD			
Size	800 x 480 dots 8.5 inch		800 x 480 dots 7 inch	
Touch Screen	Yes			
Functions	Brightness, Score Display Function, Lyrics Display Function, Text Viewer Function			
Language	English, Japanese, German, French, Spanish, Italian			
Panel	English only			
Power Consumption	55W			22W
Cabinet	Color Variation: Polished Ebony / Polished White		Polished Ebony / Black Walnut / Polished White	
Key Cover / Music Rest	Folding / YES, Music Rest Clips			Sliding / YES
Dimensions (W x D x H) (with the Music Rest / Lid up)	CVP-709GP / 709GPWH: 1,435 mm x 1,150 mm x 913 mm [56-1/2" x 45-1/4" x 35-15/16"] (1,435 mm x 1,150 mm x 1,077 mm) [56-1/2" x 45-1/4" x 42-3/8"]		CVP-709PE / 709PWH: 1,429 mm x 612 mm x 872 mm [56-1/4" x 24-1/8" x 34-5/16"] (1,429 mm x 611 mm x 1,027 mm) [56-1/4" x 24-1/16" x 40-7/16"]	
Dimensions (W x D x H) (with the Music Rest / Lid up)	CVP-705PE: 1,422 mm x 607 mm x 872 mm [56" x 23-7/8" x 34-5/16"] (1,422 mm x 581 mm x 1,027 mm) [56" x 22-7/8" x 40-7/16"]		CVP-701PE: 1,355 mm x 596 mm x 921 mm [53-3/8" x 23-7/16" x 36-1/4"] (1,355 mm x 596 mm x 1,066 mm) [53-3/8" x 23-7/16" x 42"]	
Weight	CVP-709GP: 110 kg [242 lbs., 8 oz.] CVP-709PE: 82.0 kg [180 lbs., 12 oz.] CVP-709B: 79.0 kg [174 lbs., 3 oz.]		CVP-705PE: 80.1 kg [176 lbs., 9 oz.] CVP-705B: 77.4 kg [170 lbs., 10 oz.]	
Optional Accessories*	Headphones: HPH-150 / 100 / 50, Foot Switches: FC4A / FC5, Foot Controller: FC7, MIDI interface: i-MX1, USB MIDI Interface: i-UX1, USB Wireless LAN Adapter: UD-WL01			

*Availability of optional accessories varies by area

Additional items (e.g. i-UX1, UD-WL01, internet access) may be required to access certain functions.
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Yamaha's Environmental Efforts

Yamaha Corp. and Yamaha Motor Co., Ltd. are utilizing planted trees in Indonesia under a five year plan called The Yamaha Forest that began in 2005. The second phase of this activity will continue for five years from 2010. The Yamaha Forest is an effort that contributes to regional society through environmental conservation based on planted forests and support for education in Indonesia, where the two companies have production and sales centers. Headquarters and all factories have obtained environmental management ISO 14001 certification, and are conducting continuous environmental conservation activities.



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