



Clavinova®

Yamaha Digital Piano CLP, CSP & CVP Series



REAL GRAND

REAL PIANOS REVEAL THE ESSENCE OF PIANO PLAYING

You want to play for as long as you can.
You want to branch out into new genres.
You want to express yourself in a way that's more... you.

Clavinova pianos satisfy the needs and desires of piano lovers around the world.

The amazingly accurate grand piano-like feel is the result of the skills and instincts Yamaha has developed through many years of manufacturing acoustic pianos, paired with cutting-edge technology.

To experience the pure joy of playing the piano, look no further than Clavinova.



CLP Series



iPad not included

CSP Series



CVP Series

EXPRESSION 2



Clavinova

CLP Series

Turn your living room into a performance venue
for a top-flight grand pianos



CLP-785



PE B PWH

> P8



CLP-775



PE B R DW WH

> P8⁺



CLP-745



PE B R DW WH

> P9⁺



CLP-735



PE B R DW WH

= > P9 =



CLP-795GP



PE PWH

> P10









CLP-765GP



PE PWH

> P10

Some models and colours may not be available in certain areas

	Polished Ebony		White
	Black		Polished White
	Dark Rosewood		
	Dark Walnut		

CSP Series

Introducing an innovative new way to enjoy the piano



The Clavinova CSP Series has received the Red Dot Award: Product Design 2019. The Red Dot Design Award is one of the most highly respected design awards in the world.



CSP-170



PE B WH

> P14



CSP-150



PE B WH

> P14

CVP Series

Irresistible for music lovers



CVP-809GP



PE PWH

> P18



CVP-809



PE B PWH

> P18



CVP-805



PE B

> P19



CVP-701



PE B

> P19

CLP SERIES

Turn your living room into a performance venue for a top-flight grand pianos



- Grand Expression Modeling
- GrandTouch / GrandTouch-S keyboards
- Faithful simulation of the sounds and resonance of two world-class concert grand pianos
- Grand Acoustic Imaging
- Advanced binaural sampling
- Equipped with fortepiano (period instrument) voices
- Equipped with instructive lesson songs, rhythms, Bluetooth audio / MIDI, Smart Pianist app compatibility, and other entertaining functions that only a digital piano can deliver

Revolutionary innovation (RGE2)

CLP-700 Series converts the slightest variations in touch into a limitless range of sound that captures your individuality as a musician. Thanks to the latest technology, CLP-700 Series is as expressive as grand pianos, and offer a more wonderful playing experience than ever before, taking your expectations of what a digital piano can do to higher heights.

Highly responsive GrandTouch™ / GrandTouch-S™ keyboards



The different sensations you feel in your fingertips when you play softly, vigorously, or anywhere in between are the product of responsiveness just like actual grand piano hammers striking strings. The greater dynamic range of the GrandTouch / GrandTouch-S keyboards create a feel very close to that of a grand piano.

Tonal expression delivered through touch on par with a grand piano

Grand Expression Modeling is cutting-edge technology that simulates the wide variety of tonal expression produced by the complex workings of the hammers, strings, dampers, and other internal components of a grand piano. The ability to produce different tonal qualities by varying dynamics and articulation teaches you how to control your fingertips to enhance the intricacy of your tonal expression. This magnifies the joy of playing, and exposes you to the essence of piano playing.

Experience the distinct characteristics of two concert grand pianos



Yamaha used all-new samples for the voices of two world-class concert grand pianos—the bright, brilliant voice of the Yamaha CFX, and the warm, deep resonance of the Bösendorfer Imperial. The highly distinctive sounds of these pianos feature lush harmonics and vivid resonance created from the sympathetic vibrations of the strings and soundboard, faithfully delivered in response to your articulation and pedaling. Richer tonal gradations than ever before give you an even greater range of dynamic expression. Additionally, binaural sampling was used to create the voices of the two famed pianos. Even through headphones, the voices are natural and full, preserving the acoustic sound to such a degree that you forget that you're not hearing the sound straight from the instrument itself. Experience the ability to play an even broader range of songs the way they were meant to be played.

Acoustic design that realistically simulates the sound image of a grand piano

When you play a grand piano, you experience the sensation of being enveloped in the resonance of the instrument. The high-end models of the CLP-700 Series use Grand Acoustic Imaging—advanced acoustic technology that simulates the sound image and sound field of a grand piano. The technology recreates the full experience of playing a grand piano, with the sensation of the hammers striking the strings in front of you, the reverberations from the strings dissipating away from you, and the sense of depth that comes from the sound resonating from the soundboard. The keys to creating such a realistic environment are the optimal placement and balance of the individual bass, mid, and treble speakers, and the addition of transducers. Each and every tone sounds like it was emitted from the proper place on an actual grand piano, and the transducers simulate the expansion of the sound to fill the venue. The cases of the grand piano models are even used to simulate the radiation of grand piano sounds, creating a lush listening environment for the audience as well.

Period instrument voices open the door to the world of classical music



CLP-700 Series is Yamaha's first instruments to be equipped with the voices of the fortepiano, the predecessor to the modern piano. The sounds emitted by a fortepiano are simpler than those of a modern piano, and decay much more rapidly. Hearing the sounds of the instruments played when the likes of Mozart, Beethoven, and Chopin were composing their songs should illuminate the original intent behind the notes on the page. Here is a novel opportunity to communicate with historical composers by playing these period instruments.

CLP SERIES

CLP-785



CLP-785PE
Polished Ebony

GRANDTOUCH
KEYBOARD



PE B PWH



GrandTouch™ keyboard with key counterweights

The long pivot length makes the entire length of each key easy to play, and enhances the touch for a broader range of tone and responsiveness. The counterweights enable greater expressiveness when playing in pianissimo or otherwise with a delicate touch, realistically simulating the feel of playing a grand piano.



Grand Acoustic Imaging / 3-way speakers / Upright piano design

The bass, mid, and treble speakers are optimally balanced and placed accordingly in the body to simulate the sound image of a grand piano. Additional transducers deliver an abundance of sound from the top of the cabinet, creating a natural sound field akin to the resonance from a grand piano soundboard.



4 fortepiano voices

The CLP-785 features four fortepiano voices. Exposure to the sounds beloved by Mozart, Chopin, and others in the 18th and early 19th centuries should create a deeper understanding of what these composers were thinking and feeling when they wrote their music, and cast modern piano playing in a new light.

CLP-775

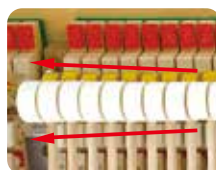


CLP-775R
Dark Rosewood

GRANDTOUCH
KEYBOARD



PE B R DW WH



GrandTouch™ keyboard with 88-key Linear Graded Hammers / GP Response Damper Pedal

Just like a grand piano, each and every one of the 88 keys is uniquely calibrated to simulate a different weight and return. The GP Response Damper Pedal is designed to work and respond just like a grand piano damper pedal, allowing you to practice with authentic touch and feel whenever you play your Clavinova.



Grand Acoustic Imaging / 3-way speakers

The CLP-775 features a speaker box with individual speakers for the bass, mid, and treble ranges. The speakers are optimally balanced and placed, and additional transducers create a natural sound field akin to the resonance from a grand piano soundboard.



Touch sensor control panel

The touch panel only displays text when it is on—when the panel is off, it has the smooth finish of a keyblock.

CLP-745



CLP-745DW
Dark Walnut



GrandTouch-S™ keyboard with wooden keys

With grand piano-like consistency and a broad dynamic range of touch from pianissimo to fortissimo, GrandTouch-S keyboard offers precise tone control. Made of solid wood.



2-way speakers

Individual speakers for the mid and treble ranges produce a clear sound with depth.



Bluetooth® audio / Bluetooth® MIDI

Use music apps on your Bluetooth device to play songs through the Clavinova's speakers, or even play along. You can even connect to the instrument wirelessly using Yamaha's Smart Pianist app.

CLP-735



CLP-735R
Dark Rosewood



Grand Expression Modeling

The CLP-735 reproduces the diverse tonal variations created by the behavior of the hammers, strings, and of a grand piano. The faithful simulation of the tone variation created by differences in the force and speed with which the keys are pressed and released enables a fuller experience of playing than ever before, helping pianists develop genuine expressive abilities.



GrandTouch-S™ keyboard with synthetic ebony and ivory keytops

With grand piano-like consistency and a broad dynamic range of touch from pianissimo to fortissimo, GrandTouch-S keyboard offers precise tone control. The synthetic ivory white keys and synthetic ebony black keys make it easy to play for long periods.



Two incredible concert grand piano voices / Virtual Resonance Modeling

Equipped with Yamaha CFX and Bösendorfer Imperial voices. VRM intricately simulates the full sympathetic sounds created by the overlapping resonance of the strings and body of a grand piano. The exquisite piano sound makes every song sound great.

CLP-795GP



CLP-795GP
Polished Ébony

GRANDTOUCH
KEYBOARD



PE PWH



GrandTouch™ keyboard with key counterweights

The long pivot length makes the entire length of each key easy to play, and enhances the touch for a broader range of tone and responsiveness. The counterweights enable greater expressiveness when playing in pianissimo or otherwise with a delicate touch, realistically simulating the feel of playing a grand piano.



Acoustic characteristics of the grand piano shape/Grand Acoustic Imaging

Individual speakers for the bass, mid, and treble ranges are placed asymmetrically to make the most of the grand piano-shaped case. Additional transducers make the sound emanate in the same way as a grand piano, producing wonderful performances to be enjoyed by the performer and audience alike.



Grand piano elegance

The gentle curves and elegant silhouette of the CLP-795GP distill the allure of the grand piano into a wholly modern form.

CLP-765GP



CLP-765GP
Polished Ebony

GRANDTOUCH S
KEYBOARD



PE PWH



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.



GrandTouch-S™ keyboard with synthetic ebony and ivory keytops

With grand piano-like consistency and a broad dynamic range of touch from pianissimo to fortissimo, GrandTouch-S keyboard offers precise tone control. The synthetic ivory white keys and synthetic ebony black keys make it easy to play for long periods.



Bluetooth® audio / Bluetooth® MIDI

Use music apps on your Bluetooth device to play songs through the Clavinova's speakers, or even play along. You can even connect to the instrument wirelessly using Yamaha's Smart Pianist app.

			CLP-795GP	CLP-785	CLP-775	CLP-745	CLP-765GP	CLP-735
Sound	Piano Sound		New Yamaha CFX & Bösendorfer Imperial, New CFX Binaural Sampling & Bösendorfer Binaural Sampling					
	Number of Voices		53 + 14 Drum / SFX Kits + 480 XG Voices		38			
			4 (Scarlati Piano / Mozart Piano / Beethoven Piano / Chopin Piano)		2 (Mozart Piano / Chopin Piano)			
	Virtual Resonance Modeling (VRM)		Yes					
	Grand Expression Modeling		Yes					
	Amplifiers		(50 W + 50 W + 50 W) x 2	(42 W + 50 W + 50 W) x 2	(50 W + 50 W) x 2	(50 W + 42 W) x 2	30 W x 2	
	Grand Acoustic Imaging		Yes			-		
	Speakers		(16 cm + 8 cm + 2.5 cm (dome) + transducer) x 2, Spruce Cone Speaker	(16 cm + 8 cm + 5 cm + transducer) x 2	(16 cm + 8 cm) x 2	(16 cm + 5 cm) x 2	16 cm x 2	
	Speaker Box		Yes			-		
Touch & Pedals	Keyboard Type		GrandTouch™ keyboard			GrandTouch-S™ keyboard		
	Wooden keys (White keys)		Yes				-	
	88-key Linear Graded Hammers		Yes			-		
	Counterweight		Yes		-			
	GP Response Damper Pedal		Yes			-		
Functions	USB Audio Recorder		WAV					
	Rhythms		20					
	Built-in Bluetooth Audio / MIDI		Yes					-
	Control panel		Touch sensors			Buttons		



C S P S E R I E S

Introducing an innovative new way to enjoy the piano



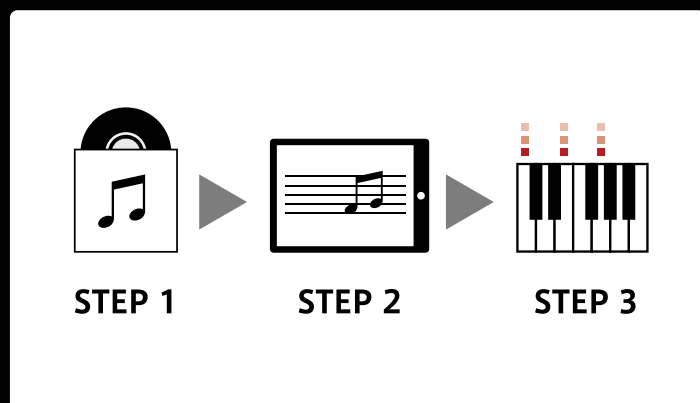
- Operate with your smart device
- Start playing a song you like. Stream Lights will show you which keys to press
- Enjoy performing with accompaniments, or even sing along!

Intuitive simplicity



Enjoy simple, intuitive operation from smart devices with the dedicated CSP Smart Pianist app. Smart Pianist can be downloaded from the App Store.

No more frustrations!



The CSP will dispel any preconceptions you might have about playing the piano being a difficult, frustrating experience. The dedicated CSP app analyses the music you want to play and then creates a music score for you. All you have to do is follow the Stream Lights!

STEP1 – Song Select

Pick a song, any song...Choose any song you like from your audio/song library.

STEP2 – Audio to Score

Load the song into the Smart Pianist app, and the “Audio to Score” feature will analyse the chords and create a score instantly.

STEP3 – Stream Lights

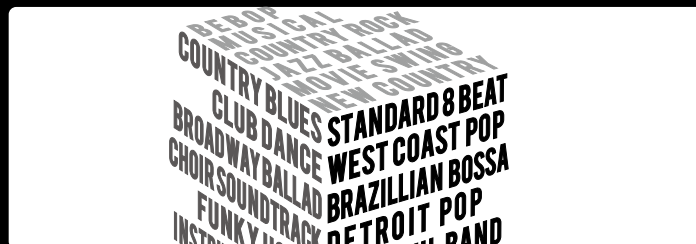
Now you're ready to go! Let the Stream Lights guide your fingers as you play along with the song.

For the more committed performer...



When you're ready to take on the challenge of solo performance, the CSP offers built-in songs for immediate enjoyment, or additional songs for purchase from Yamaha MusicSoft at yamahamusicsoft.com. And even if you're not confident in your own playing abilities, you can trust the Stream Lights to show you the way.

Solo, band, orchestra, and more!



The CSP lineup offer unrivaled capacity for musical expression, with a huge variety of instrument voices that belie their simple, elegant exteriors. You can also enjoy ensemble sessions with rock or jazz bands, and even bossa nova orchestras, simply by assigning Styles.

Want to sing as well? The CSP comes equipped with a mic input, and will even harmonise with you as you sing!

Flexible connectivity



CSP Series Clavinova are equipped with a terminal for direct connection* to PCs and iOS or Android devices. They also ship with a UD-WL01 Wi-Fi USB LAN adaptor for wireless connection to smart devices.

*For more details about connection please see p29

C S P S E R I E S

CSP-170



reddot award 2019
winner



CSP-170PE
Polished Ebony



PE B WH



NWX keyboard with wooden keys

White keys made of specially selected natural wood provide a playing feel like that of a grand piano.



Two-way speaker system and powerful amplifiers

The CSP-170 features two 45 W + 45 W amplifiers, along with two-way speakers dedicated to mid- and high-frequency reproduction, in a combination that delivers powerful sound with astonishing clarity.



Speaker box

The speaker box provides natural reverberation and resonance.

CSP-150



reddot award 2019
winner



CSP-150B
Black



PE B WH



Smart device and Smart Pianist

Smart Pianist is an intuitive app that allows operation of the CSP-150 from smart devices. You can also use it to analyse your audio data and create musical accompaniment on the spot!



Stream Lights

Even beginning players can instantly experience the fun of performing on the piano, just by playing back a song while pressing the keys indicated by the Stream Lights.



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 CSP features a huge variety of voices.

		CSP-170	CSP-150
Sound	Piano Sound	Yamaha CFX, Bösendorfer Imperial, CFX Binaural Sampling	
	Number of Voices	692 Voices + 29 Drums / SFX Kits	
	Virtual Resonance Modeling (VRM)	Yes	
	Amplifiers	(45 W + 45 W) x 2	30 W x 2
	Speakers	(16 cm + 8 cm) x 2	16 cm x 2
	Speaker Box	Yes	-
Touch & Pedals	Keyboard Type	NWX keyboard	GH3X keyboard
	Wooden keys (White keys)	Yes	-
	88-key Linear Graded Hammers	-	-
	Counterweight	-	-
	GP Response Damper Pedal	-	-
Functions	Preset Styles	470	
	Guide Lamps / Stream Lights	Stream Lights	
	Audio to Score	YES	
	Piano Room	YES	
	Vocal Harmony	44	
	USB Audio Recorder	Recodrding : WAV, AAC Playback : Supported format by the Smart Device	

Some functions are limited without the Smart Pianist



CVP SERIES

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

True-to-life instrument voices



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

The CVP-800 series benefits from startling improvements to every area of its sound. The flagship model CVP-809 / 809GP in particular features all-new samples for instruments such as electric piano, strings, guitar, bass, and drums, delivering sound quality that has to be heard to be believed.

Explore a wide variety of backing Styles

Live up your playing with ensemble performances

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 the CVP-800 Series, these accompaniments come with dramatically improved sounds, enriching your performances.

Dive into the band experience

The CVP-800 Series boasts astonishing spatial acoustics and ensemble functionality so realistic that you can almost feel the presence of the other performers around you.



The sound you've always dreamed of awaits you

Enter the Piano Room, where you can customise 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



Guide lamps and touch panel linked with the on-screen score

Purchase MIDI data online for a more intuitive playing experience and practice songs by following the Guide Lamps, which indicate the keys to play while the bouncing ball on the screen follows the score.

Play, record, and share!

Offering the ability to arrange your own accompaniment Styles, the CVP is a great tool for creating and arranging music in a wide variety of genres, allowing you to enjoy composing music in a casual, fun manner rather like sketching a picture. Combine this with the built-in USB Audio recording functionality to record your original compositions and share them with your friends!

CVP SERIES

CVP-809GP



CVP-809GP
Polished Ebony

GRANDTOUCH
KEYBOARD



PE PWH



Grand piano elegance

The gentle curves and elegant silhouette of the CVP-809GP distil the allure of the grand piano into a wholly modern form.



Custom-designed sound system

The specially-designed sound system of the CVP-809GP utilises 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, with each key sampled individually. Thanks to binaural sampling, CVP Series Clavinova offer a fully immersive concert grand experience, even when using headphones.

CVP-809



CVP-809PE
Polished Ebony

GRANDTOUCH
KEYBOARD



PE B PWH



Experience live performance

Distorted guitars, rotary speaker organs, ethereal strings... this CVP delivers on all fronts, with unprecedented levels of realism. It reproduces the subtle variations that occur when even the most skilled drummer plays, so that you feel just like you're performing with a human drummer in a live band.



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-809 also features subwoofers with a twisted flare port construction that deliver a superbly resonant bass.



The finest piano functions

Counterweights offer a superb touch similar to that of a grand piano, with the delicacy required when using techniques such as pianissimo. The GP Response Damper Pedal has a grand piano-style resistance curve that delivers authentic grand piano pedal feel.

CVP-805



CVP-805B
Black



Revitalised core voices

In addition to significantly improved piano tones and upgraded instrument voices, the CVP-805 features better instrument acoustics that add a three-dimensional aspect to the sound heard by the player, enhancing the overall performance experience.



GrandTouch™ keyboard with 88-key Linear Graded Hammers

With no two keys alike, GrandTouch keyboard lets pianists play subtle to strong tones more dynamically than ever before, and faithfully reproduce the differences in the weight and return of each key.



Built-in Bluetooth® audio

Play along with your favorite music using the Clavinova's built-in Bluetooth interface, or just enjoy listening through the CVP's high-quality speakers.

CVP-701



CVP-701B
Black



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.

		CVP-809GP	CVP-809	CVP-805	CVP-701
Sound	Piano Sound	Yamaha CFX, Bösendorfer Imperial, CFX Binaural Sampling			Yamaha CFX, Bösendorfer Imperial
	Number of Voices	1,605 Voices + 58 Drum / SFX Kits + 480 XG Voices		1,315 Voices + 49 Drum / SFX Kits + 480 XG Voices	777 Voices + 29 Drum / SFX Kits + 480 XG Voices
	Virtual Resonance Modeling (VRM)	Yes			
	Amplifiers	(40W + 30W + 20W) × 2 + 80W		(45 W + 20 W) × 2	25W × 2
	Speakers	(16 cm + 5 cm + 2.5 cm (dome)) × 2 + 20 cm, Spruce Cone Speaker, Twisted Flare Port		(16 cm + 2.5 cm (dome)) × 2	16 cm × 2
	Speaker Box	Yes			-
Touch & Pedals	Keyboard Type	GrandTouch™ keyboard			GH3X keyboard
	Wooden keys (White keys)	Yes			-
	88-key Linear Graded Hammers	Yes			-
	Counterweight	Yes		-	
	GP Response Damper Pedal	Yes		-	
Functions	Preset Styles	675		525	310
	Guide Lamps / Stream Lights	Guide Lamps			
	Piano Room	Yes			
	Vocal Harmony	54			-
	USB Audio Recorder	WAV, MP3			WAV
	Built-in Bluetooth Audio*	Yes			-

*Depending on the country in which you purchased the product

ENJOY A DIALOGUE

The player plays, the piano responds, and the player continues to play. The player conveys the feelings they want to express, and the piano responds, in an ongoing exchange that forges a dialogue between the two. In order for this to be a truly rich exchange, both the player and the piano must possess excellent expressive capabilities; the piano must be easy to play and highly responsive, and it must produce beautiful sounds. A great piano satisfies these conditions, and interacting with a great piano inspires the player to explore the bounds of their expressive capabilities. Yamaha crafts pianos that will draw you into a musical dialogue that is sure to make playing more enjoyable and inspiring than ever before.



3 ■ Sound Quality



A grand piano is a musical instrument composed of 8,000 parts. The complex interaction of each mechanism in the instrument produces various tonal elements that interact with each other to form a richly varied palate of beautiful sound, from clear, resplendent tones to warm resonance. The Clavinova colours any space with beautiful tone, offering the player the experience of being enveloped in sound.

WITH A GREAT PIANO

1. Playability

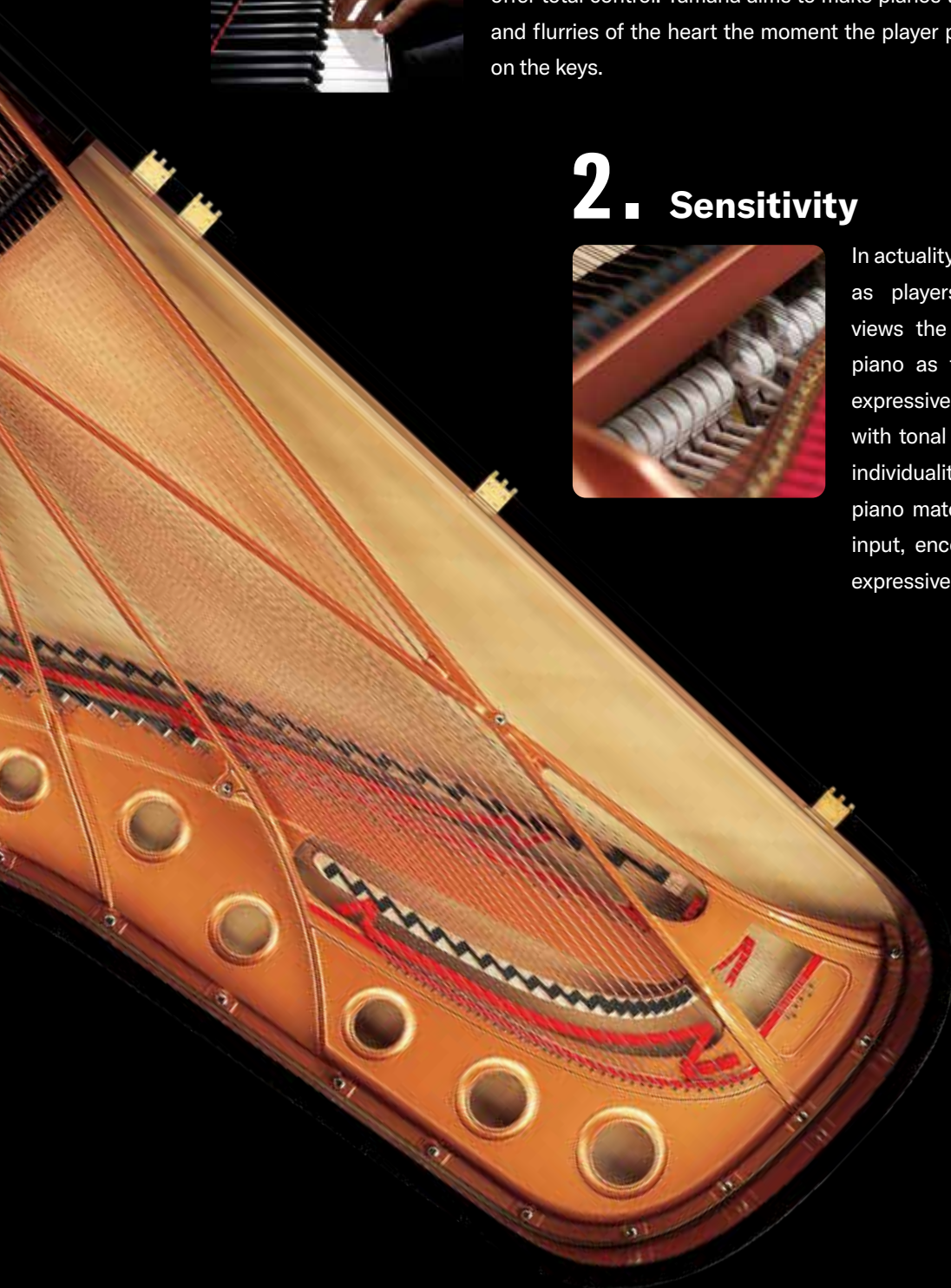


The dialogue with a piano begins when the player touches the keys. The player wants to know that the keys are easy to play, that they are capable of subtle, nuanced musical expression, that they can handle the player's most powerful intensity, and that they offer total control. Yamaha aims to make pianos that elicit smiles and flurries of the heart the moment the player puts their hands on the keys.

2. Sensitivity



In actuality, pianos must be just as expressive as players are required to be. Yamaha views the richness of tonal variation of a piano as the indicator of the instrument's expressive capabilities. A great piano one with tonal variation that reflects the player's individuality. The output of a highly sensitive piano matches the subtle differences in the input, encouraging the player to hone their expressive capabilities.



DESIGN PHILOSOPHY



The very best keys and pedals



Since the inception of Clavinova in 1983, Yamaha has developed the digital pianos in this lineup with the aim of achieving the same feel as a grand piano. The keys have an extraordinary impact on the feel of a piano, and Yamaha has focused on delivering grand piano feel in the designs of the keys used in Clavinova pianos. However, that feel cannot be reproduced in digital pianos simply by imitating the structure and shape of the grand piano action, for a variety of reasons. Chief among these is the difference between the way digital pianos emit sounds, and that of grand pianos, which utilise a mechanism in which hammers strike strings. Additionally, grand piano keyboards comprise over 6,000 components working in concert to produce a distinct feel that suffers if even one component is missing or not maintained on a regular basis. Yamaha always prioritises playability, and is constantly refining the digital piano keyboard, innovating and optimising the sound-producing structure and housing used in digital pianos as it seeks to satisfy the need for a compact, durable form. Pedals are another important determinant of playability, and Yamaha designs damper pedals that are responsive, yet also simulate the unmistakable gravity of grand piano pedals to achieved more nuanced pedal operation.



Design philosophy



Clavinova pianos boast excellent playability and versatile functions, along with a refined, authentic design that blends a compact form with modern aesthetics in a manner befitting the instrument that sets the contemporary standard for pianos. At the heart of the Clavinova design concept is the way the player feels when they take their seat in front of a Clavinova piano. Unnecessary elements are removed from the player's field of vision to create a convincingly natural space that feels just like sitting at an acoustic piano. This represents Yamaha's consideration to players who practice on Clavinova and perform on grand pianos—they are able to take the stage free of tension or worry because everything feels normal, as it should. A Clavinova piano is a part of the player's everyday life—contemporary accents and colour variation are available to mesh with any interior design or lifestyle.

Lifelike concert grand piano sound



The vitality of the grand piano makes it feel as though it is alive, and Yamaha is committed to equipping Clavinova with the same ability to produce rich, natural sound. This is achieved through the real-time calculation of the sympathetic sounds produced by the reverberations of the entire instrument from simulations of the distinct characteristics of the original sound sources—the Yamaha CFX and the Bösendorfer Imperial. The next challenge is how to deliver the sounds of these renowned concert grand pianos to the player's ears through speakers and headphones with the same full ambience as the real thing. Finally, the essence of the grand piano is captured as a result of exhaustive experimentation, research, and development to properly time the attack after each key is played and match the emitted tones. The ability to intricately adjust all aspects of the sound is made possible by Yamaha technology forged from expert knowledge of sublime pianos.

Limitless expression



What is true grand piano expression? Yamaha continues to search for even better answers to that question. Grand pianos give players the ability to alter the sound with the subtlest differences in technique. Thus, pianists vary the force and speed with which they play to create a wide range of different sounds in order to imbue their performances with texture. However, conventional digital pianos have their limits, and pianists feel that the output is flat compared to that of the grand piano. The Clavinova lineup harnesses the very latest technology to faithfully simulate the wide array of expression available on grand pianos. This helps pianists develop the ability to hear and react to the way they play, an important skill in the study of piano. Clavinova pianos respond to the slightest variations of touch, giving players a wide range of expression and allowing them to sharpen their ability.

Acoustic design ideology



Acoustic design is a key element of sound creation. This is because, unlike acoustic pianos, digital pianos emit sounds from speakers. Even with a tone generator of the highest caliber, advanced acoustic design technology is an essential element in allowing an instrument to sound like a grand piano. Key to the Clavinova design is a focus on enveloping the player with sound and reverberation to recreate the pleasing feeling of playing a grand piano. Only Yamaha possesses the acoustic piano and professional audio design capabilities needed to create speakers that emit the highest quality sound. Yamaha's truly unique synergy of experts with innovative sound technology and know-how enables Clavinova pianos to recreate the vivid sound image and sound field of grand pianos.

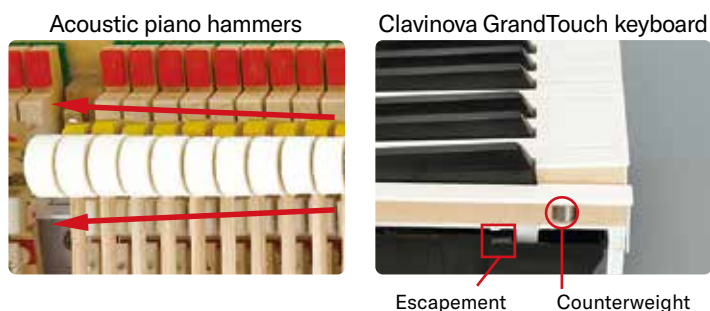
TECHNOLOGY

Playability

- Keys and pedals

Through their centuries-long evolution, grand pianos have acquired their defining structural attributes as well as clever mechanisms for enhancing playability. Clavinova pianos replicate the true grand piano feel thanks to Yamaha's detailed study of the underlying mechanics of the instrument and the sensations experienced by piano players. Examples of Yamaha's ingenuity abound. The weight and return of each and every key is calibrated to replicate the sensation of playing that same key on a grand piano. The repetition mechanism relies on three proprietary sensors that detect the slightest nuances of key movement to faithfully render the articulation of trills and other repeated notes. Many other mechanisms bring the playability of Clavinova pianos as close as possible to that of a grand piano, including the escapement mechanism that prevents the hammers from dampening the vibrations of the strings after they are struck, and counterweights* embedded in each key to balance the weights of the keys against the action, enhancing sensitivity to the softest, most delicate articulation. The pedals and key materials also affect playability—after all, they are what a pianist touches to play the instrument. Thus, Yamaha replicated the grand piano experience with highly absorbent, slip-resistant key materials and realistic-feeling pedals that alter the tone as expected.

*Featured on the CLP-785 / 795GP, CVP-809 / 809GP



GrandTouch™ / GrandTouch-S™ keyboards

Yamaha's latest keyboard action features a broad dynamic range and faithful response to every nuance of touch that puts a wide expanse of tone—from delicate to bold—at the pianist's fingertips. The highly consistent grand piano hammers replicate the pleasing response felt when the hammers strike the strings, enabling precise control of the tone. Highly absorbent synthetic-ivory white keys and synthetic-ebony black keys prevent slipping even during extended play and feel just like those of a grand piano.

Moreover, the GrandTouch keyboard features wooden keys.* With the longest-ever pivot length on a Yamaha digital piano, the keys are easy to play from the edge to the back. Finally, Yamaha's 88-key Linear Graded Hammers are the only digital



piano technology that provide a distinct touch for each key with the same weight and return for the corresponding key on a grand piano.

*Some GrandTouch-S keyboard also features wooden keys

NWX / GH3X keyboards

Natural Wood X (NWX) and Graded Hammer 3X (GH3X) keyboards capture the touch of a grand piano by replicating the natural key return and response created by the weight of the hammers, and making the bass keys feel heavy while the treble keys feel light. Each key is equipped with three sensors for repeated note performance very close to that of a grand piano. The sensors lend an animated feel to the repeated notes and airy trills that appear in *Für Elise* and many other songs.

NWX keyboard features wooden keys that showcase Yamaha's expertise with wood for pianos. Just as with grand piano keyboards, the solid wood is cut from the very best parts of well-dried lumber, making the keys, making the keys more resistant to warping than keyboards made of laminated wood. The wooden texture and structure of the keys create a more grand piano-like feel.

The GP Response Damper Pedal

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.

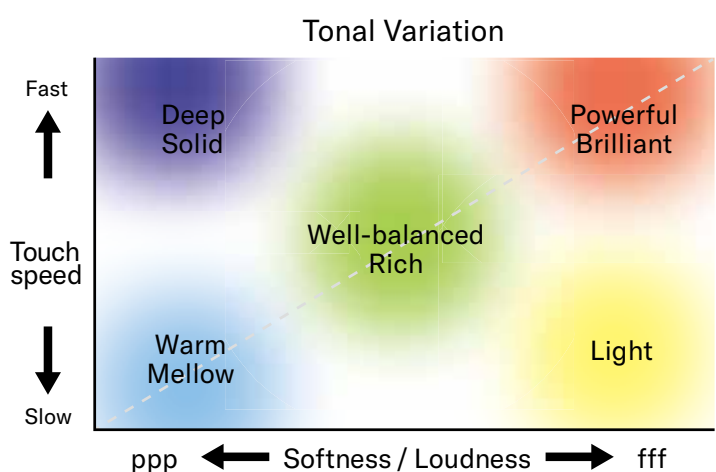
Featured on the CLP-775 / 785 / 795GP, CVP-805 / 809 / 809GP

Sensitivity

- Grand Expression Modeling

The interaction and interplay of the hammers, dampers, and strings inside a grand piano respond to the subtlest nuances of the pianist's touch, creating a limitless range of tonal expression. Touch refers to the pianist's control, not only of intensity (softness/loudness) in playing and releasing the keys, but also of the speed and depth with which the keys are pressed. The Grand Expression Modeling introduced in the CLP-700 Series translates the widely varied input from the pianist's fingers into the same limitless tonal variation of a grand piano.

This makes it possible to vary the output by playing the keys to different depths and with different speeds, even when using techniques such as trills or legato or emphasising the melody over the accompaniment. Grand Expression Modeling excels at faithfully reproducing the output expected of these techniques in many well-known songs. In Debussy's "Clair de Lune," a loose touch creates the faint tone that makes the melody stand out more crisply. In Liszt's "Un Sospiro," the accompanying arpeggios accent the melody without overwhelming it, and varied expression of the melody gives it the same quality as vocals. In the last of the Chopin nocturnes, trills, legato, and other delicate techniques where fingers seem to float over the keys deliver the airy, smooth tonal expression required. Playing such pieces on a highly expressive piano helps the pianist learn various techniques and experience the same joy of expression as a painter, but through sound.



This image is for illustration purposes only

Sound Quality

- Tone generation and acoustic design

The Clavinova sound is the result of the confluence of Yamaha's time-tested expertise in the craft of piano-making, and Yamaha's digital technology, which is just as advanced and hard-earned. Our engineers pour their sensibilities into every essential piano element, from the rich tonal expression to the natural decay, deep resonance, and subtle change in tone the moment before the sound dissipates.

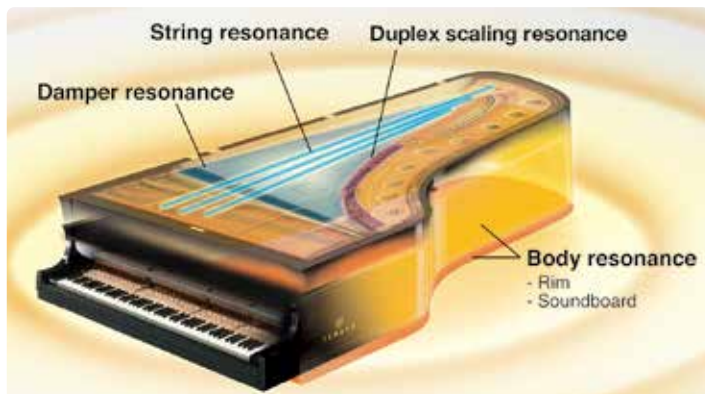
Sound creation is vital for breathing life into digital pianos, and it starts with the sampling of grand piano sounds. Acoustic pianos are highly sensitive instruments; their sound and resonance change along with minute changes in temperature, humidity, and other environmental elements. Our seasoned piano tuners bring their intimate familiarity with the attributes of acoustic pianos to our experts in digital piano sound creation, and they combine their skills and sensibilities and tinker meticulously with the acoustic grand pianos until they create their envisioned tone: balanced, harmonious, and the best that the piano has to offer. Next, this highly polished sound is recorded note by note for each of the 88 keys while the engineers adjust the recording microphones to the millimeter. Finally, we use the latest acoustic design technology to relay the grand piano sounds to the pianist through the speakers. This advanced technology and intricate work are what it takes to equip Clavinova pianos with rich grand piano sounds.

Yamaha CFX / Bösendorfer Imperial voices



Clavinova grand piano sounds are recorded from several world-renowned concert grand pianos. One of them is the CFX, Yamaha's top-flight concert grand piano. Pianists around the world are enamored with the impressive, dazzling, richly expressive sound of the CFX in concert halls. Another sampled concert grand is the Imperial, the flagship model of Bösendorfer, a time-honored Viennese piano brand with an ardent following. The Imperial is known for its abundance of colour and natural, warm feeling. Yamaha faithfully reproduces the idiosyncrasies of these concert grand pianos by carefully recording the entire tonal range of each of the 88 keys, making minute adjustments to capture the most harmonious tones each piano has to offer.

Virtual Resonance Modeling



One of the allures of the grand piano is the sympathetic resonance created by the vibration of the entire instrument. Clavinova pianos elaborately reproduce this rich sympathetic resonance through a groundbreaking technology called Virtual Resonance Modeling (VRM). VRM creates a richly varied sound by simulating the complex sympathetic tones created when the vibrations of the strings are propagated to the soundboard and other strings, corresponding to the timing and intensity of key playing and pedaling. CLP-700 Series pianos even replicate the sounds the dampers make when they are raised off the strings, in addition to the resonance of the duplex scaling, strings, soundboard, and case. Clavinova pianos allow you to enjoy the same momentary dynamics and deep sympathetic sounds that are produced by the entire body of a grand piano.

Binaural Sampling / Stereophonic Optimiser for headphones



Binaural sampling is a method of sampling in which special microphones are placed on a mannequin's head in the same positions as the pianist's ears to capture piano sounds the way that they sound in reality. We chose this method to create the ambience and full, natural resonance of acoustic pianos in Clavinova pianos. This makes pianists feel as though they are sitting at a grand piano even when they play with headphones on. The experience is so pleasant that they forget they are wearing headphones, no matter how long they continue to play.

On CLP-700 Series pianos, binaural sampling was used for the Bösendorfer Imperial as well as the Yamaha CFX. Yamaha achieves higher-definition binaural sound with a specially developed mannequin head and model ears used for the recording.

We also developed the Stereophonic Optimiser function to achieve the same effect for the piano effects. Stereophonic Optimiser technology replicates the natural diffusion of sound in headphones nearly as closely as binaural sampling for the piano voices other than the CFX and Imperial.

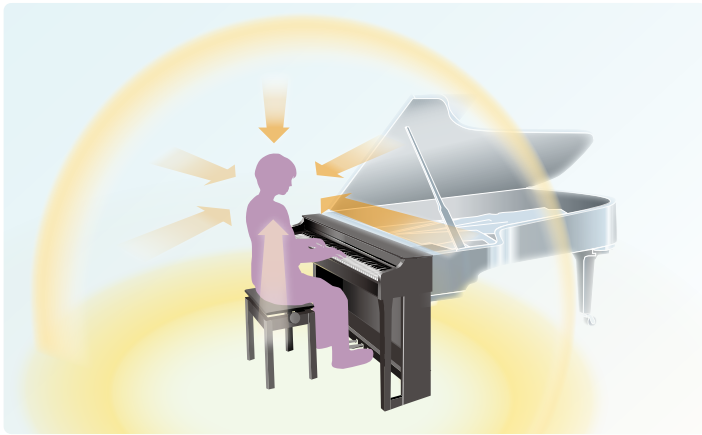
Classic fortepiano voices



The fortepiano is a period instrument played by Mozart, Beethoven, Chopin, and other composers before the modern piano was developed. We equipped the latest CLP-700 Series pianos with as many as four fortepiano voices in the hope that playing a period instrument would allow pianists to feel the composers' intent more intuitively by following the notation on the sheet music of centuries-old songs more faithfully. The sounds of fortepianos decay much more quickly than modern pianos, and the composers' intent in terms of timing and length becomes clearer when pedaling a fortepiano according to the sheet music. Moreover, when pianists return to playing with modern piano voices, the Clavinova offers new insights into how to express things on a modern piano. It is our hope that providing classical piano students with the opportunity to play fortepianos deepens their understanding of the musicality and historical background of the all-time great composers.

Grand Acoustic Imaging

When a pianist plays a grand piano, they cause the entire body of the instrument to reverberate, and become enveloped in the colourful tones created from the combination of various acoustic elements in the air around them. The pianist becomes immersed in the diffusing sound and reverberation. The high-end models* of the CLP-700 Series deliver this pleasant feeling through Grand Acoustic Imaging. The latest acoustic design and measuring technology create the same sound image and sound field of a grand piano despite the compact size of the digital piano. We



optimally balanced and placed the bass, mid, and treble speakers to achieve the sound radiation and centroid characteristic of grand pianos so that each and every tone played through the speakers sounds like it was emitted from the proper place on an actual grand piano. The speaker placement and balancing replicates the sensation of the hammers striking the strings in front of the pianist, and the reverberations from the strings dissipating away from them. We also used a transducer to achieve the full reverberation of sounds emitted by the entire grand piano soundboard, replicating the sense of depth experienced when playing an acoustic grand piano. The cases of the grand piano models are shaped to simulate the radiation of grand piano sounds from the speakers, creating a lush listening environment for the audience as well.

*Featured on the CLP-775 / 785 / 795GP

Spruce Cones and Twisted Flare Ports

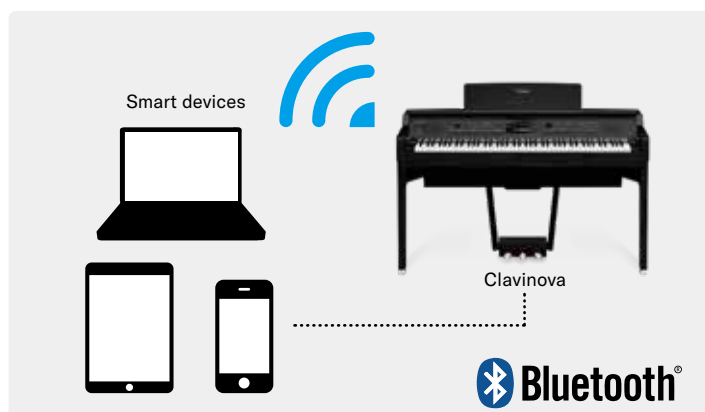


Drawing from our experience in building both acoustic pianos and high-end speakers, Yamaha CLP-785 / 795GP and CVP-809 / 809GP speaker cones use pulp from the same spruce wood used to make acoustic piano sound boards. The result is a more natural, piano-like attack to the sound that is more piano-like when you play the keys.

The Twisted Flare Port, which is used on CVP-809 / 809GP, 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.

General Features

Connect wirelessly with Bluetooth® audio



You can play music through the audio system in 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.

Featured on the CLP-745 / 775 / 785 / 765GP / 795GP, CVP-805 / 809 / 809GP

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

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 CSP-150 / 170

* Data is saved in WAV format. The CVP-805 / 809 / 809GP also allow MP3 format

APPS AND ONLINE SERVICES — USE THEM TOGETHER TO EXPAND YOUR MUSICAL HORIZONS

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



Smart Pianist

Smart Pianist is not compatible with CVP-701

Smart Pianist is a free application for use with Yamaha digital pianos that can analyse any commercially available songs you own and then display chord progressions and/or piano accompaniment scores for them. This single application will help you enjoy life with your piano a whole lot more—it can even be used to configure instruments with ease!



See the Smart Pianist app page on the Yamaha website for information on compatible operating systems and devices.

Play your favorite songs right away

Smart Pianist can analyse songs on your smart devices to create chord progressions for you to follow. On the CSP and CVP Series, Smart Pianist features an “Audio To Score” function that creates piano accompaniment scores automatically.

A variety of piano lesson pieces

CLP CSP CVP

Smart Pianist can play back both preset and commercially available songs, and allows you to simply listen to them or play along. It also displays notation for hundreds of built-in MIDI songs, and you can even enjoy additional songs for purchase from Yamaha MusicSoft.

<https://www.yamahamusicsoft.com/>

CLP CSP CVP



Chord progression screen

CSP CVP



Audio To Score screen



Easy voice selection and Easy settings

CLP CSP

Use this app to configure voices for a range of instruments, including pianos, organs and guitars, and saxophones, and also adjust parameters such as reverberation in performance venues and other factors that affect the sound of the instrument. You can also configure transpose, tuning, pedal, and acoustic setting easily and intuitively.

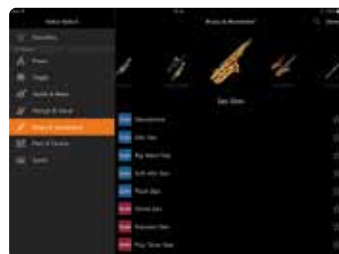
Voice selection and configurable functions may differ depending on the model



Customise your own backing band

CSP

Link applications with the CSP Series when using Styles for easy selection of backing tracks in a range of genres that includes rock, pop, and jazz. You can even customise the tempo and combinations of instruments used in accompaniments.



Smart Pianist is compatible with Clavinova

Function	CLP	CSP	CVP*
Piano Room	Yes	Yes	-
Voice	Yes	Yes	-
Style	-	Yes	-
Song	Yes	Yes	Yes
Score View	Yes	Yes	Yes
Chord Analysis	Yes	Yes	Yes
Audio to Score	-	Yes	Yes
Stream Lights/ Guide Lamps	-	Stream Lights	Guide Lamps

*Except CVP-701

Connection	CLP	CSP	CVP
Connect wirelessly using Wi-Fi	Optional Wireless LAN Adaptor UD-WL01	Included Wireless LAN Adaptor UD-WL01	Optional Wireless LAN Adaptor UD-WL01
Connect wirelessly using Bluetooth MIDI	Yes	-	-
Connect using a cable (iOS device)	iPad Pro (11inch or 12.9inch, 3rd generation) Other than iPad Pro 3rd generation	Apple USB-C Digital AV Multiport Adaptor or Apple USB-C VGA Multiport Adaptor, and USB Cable	
		Apple Lightning to USB Camera Adaptor and USB Cable	Apple Lightning to USB Camera Adaptor and USB Cable
Connect using a cable (Android device)	USB Conversion Adaptor and USB Cable		-



flowkey

The flowkey application offers lessons specially designed for beginners or those who haven't played for a long time to practice at their own pace. flowkey is available on a paid subscription basis, and can be used with any musical instrument.

flowkey is offered by flowkey GmbH



You'll be amazed at how quickly using the flowkey piano learning app with your Yamaha digital piano will let you learn to play your favorite music. flowkey provides a music score as well as video for you to check fingering with. For CSP users, flowkey will even synchronise with Stream Lights when a smart device* with flowkey installed is connected to their instrument. Get started today to discover piano arrangements tailored to your level and play your first song within minutes!

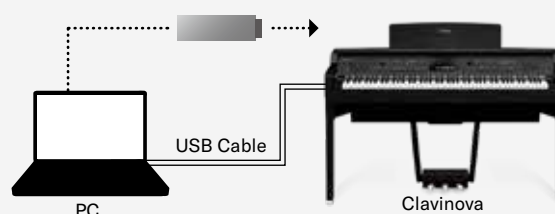
*Stream Lights synchronisation is only available with iOS devices



Online Services – Yamaha MusicSoft

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!

<https://www.yamahamusicsoft.com>



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

Specifications

CLP Series

Model Name		CLP-785	CLP-775	CLP-745	CLP-735	CLP-795GP	CLP-765GP
Keyboard	Number of Keys	88					
	Type	GrandTouch™ Keyboard: wooden keys (white only), synthetic ebony and ivory key tops, escapement		GrandTouch-S™ Keyboard: wooden keys (white only), synthetic ebony and ivory keytops, escapement	GrandTouch-S™ Keyboard: synthetic ebony and ivory keytops, escapement	GrandTouch™ Keyboard: wooden keys (white only), synthetic ebony and ivory key tops, escapement	GrandTouch-S™ Keyboard: synthetic ebony and ivory key tops, escapement
	Touch Sensitivity	Hard2, Hard1, Medium, Soft1, Soft2, Fixed					
	88-key Linear Graded Hammers	YES		-		YES	-
	Counterweight	YES	-			YES	-
Voices	Piano Sound	Yamaha CFX, Bösendorfer Imperial					
	Binaural Sampling	Yes (CFX Grand and Bösendorfer only)					
	Piano Effect	VRM, Grand Expression Modeling, Key-Off Samples, Smooth Release					
	Polyphony (max.)	256					
	Voice Selection	53 Voices +14 Drum / SFX Kits + 480 XG Voices	38			53 Voices + 14 Drum / SFX Kits + 480 XG Voices	38
	Dual / Split / Duo	YES / YES / YES					
	Number of Pedals	3: Damper (with Half-pedal function), Sostenuto, Soft					
Pedals	GP Response Damper Pedal	YES		-		YES	-
Effects	Types	Reverb: 6 / Chorus: 3 / Brilliance: 7 + User / Effect: 12					
	Intelligent Acoustic Control (IAC)	YES					
	Stereophonic Optimiser	YES					
Songs (MIDI)	Preset Songs	25 Voice Demo Songs + 50 Classics + 303 Lesson Songs	21 Voice Demo Songs + 50 Classics + 303 Lesson Songs			25 Voice Demo Songs + 50 Classics + 303 Lesson Songs	21 Voice Demo Songs + 50 Classics + 303 Lesson Songs
	No. of Songs	250					
	Record of Tracks	16					
USB Audio Recorder	Recording Time (max.)	80 minutes / Song					
	Recording / Playback	WAV (44.1kHz, 16-bit, stereo)					
Strage	Internal Memory	approx. 1.4 MB					
	External Memory	USB Flash Drive					
Display	Type / Size	Type: Full Dots LCD / Size: 128 x 64 dots					
	Language	English, Japanese					
Panel	Type	Touch sensors		Buttons		Touch sensors	Buttons
	Language	English					
Other functions	Rhythms	20					
	Piano Room	YES					
	Others	Metronome, Tempo Range, Transpose, Tuning, Scale Type, etc.					
Bluetooth Audio / MIDI*		YES			-	YES	
Connectivity	USB TO DEVICE	YES					
	USB TO HOST	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 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)
Sound System	Amplifiers	(50 W + 50 W + 50 W) x 2	(42 W + 50 W + 20 W) x 2	(50 W + 50 W) x 2	30 W x 2	(50 W + 50 W + 50 W) x 2	(50 W + 42 W) x 2
	Speakers	(16 cm + 8 cm + 2.5 cm (dome) + transducer) x 2, Spruce Cone Speaker	(16 cm + 8 cm + 5 cm + transducer) x 2	(16 cm + 8 cm) x 2	16 cm x 2	(16 cm + 8 cm + 2.5 cm (dome) + transducer) x 2, Spruce Cone Speaker	(16 cm + 5 cm) x 2
	Speakers BOX	YES		-		YES	-
Power Supply	AC Adaptor	PA-500			PA-300C	PA-500	
	Power Consumption	60 W (When using PA-500 AC adaptor)	50 W (When using PA-500 AC adaptor)	40 W (When using PA-500 AC adaptor)	18 W (When using PA-300C AC adaptor)	60 W (When using PA-500 AC adaptor)	30 W (When using PA-500 AC adaptor)
Cabinet	Colour Variation	Polished Ebony / Black / Polished White	Polished Ebony / Black / Dark Rosewood / Dark Walnut / White Ash / White			Polished Ebony / Polished White	
	Key Cover Style	Folding	Sliding				
	Music Rest	Yes, Music Rest Clips					
	Headphones Hanger	YES					
Size (W x D x H) (with Music Rest Raised / Lid up)		CLP-785PE / 785PWH: 1,467 x 477 x 1,029 mm [57-3/4" x 18-3/4" x 40-1/2"] CLP-785B: 1,461 x 476 x 1,027mm [57-1/2" x 18-3/4" x 40-7/16"]	CLP-775PE: 1,466 x 465 x 1,137 mm [57-11/16" x 18-5/16" x 44-3/4"] CLP-775B / 775R / 775DW / 775WH: 1,461 x 465 x 1,136 mm [57-1/2" x 18-5/16" x 44-3/4"]	CLP-745PE: 1,466 x 459 x 1,097 mm [57-11/16" x 18-1/16" x 43-3/16"] CLP-745B / 745R / 745DW / 745WH: 1,461 x 459 x 1,096 mm [57-1/2" x 18-1/16" x 43-1/8"]	CLP-735PE: 1,466 x 459 x 1,082 mm [57-11/16" x 18-1/16" x 42-5/8"] CLP-735B / 735R / 735DW / 735WH: 1,461 x 459 x 1,081 mm [57-1/2" x 18-1/16" x 42-9/16"]	CLP-795GP / 795GPWH: 1,430 x 1,237 x 1,577 mm [56-5/16" x 48-11/16" x 62- 1/16"]	CLP-765GP / 765GPWH: 1,430 x 1,147 x 1400 mm [56-5/16" x 45-3/16" x 55-1/8"]
Weight		CLP-785PE / 785PWH: 87 kg [191 lb, 13 oz] CLP-785B: 84 kg [185 lb, 3 oz]	CLP-775PE: 74 kg [163 lb, 2 oz] CLP-775B / 775R / 775DW / 775WH: 71 kg [156 lb, 8 oz]	CLP-745PE: 63 kg [138 lb, 14 oz] CLP-745B / 745R / 745DW / 745WH: 60 kg [132 lb, 4 oz]	CLP-735PE: 60 kg [132 lb, 4 oz] CLP-735B / 735R / 735DW / 735WH: 57 kg [125 lb, 11 oz]	CLP-795GP / 795GPWH: 126 kg [277 lb, 13 oz]	CLP-765GP / 765GPWH: 106 kg [233 lb, 11 oz]
Optional Accessories**		Headphones: HPH-150 / HPH-100 / HPH-50 Foot Switches: FC4A / FC5 (CLP-785) Foot Controller: FC7 (CLP-785) USB Wireless LAN Adaptor: UD-WL01 AC Adaptor: PA-500 (CLP-785 / 775 / 745), PA-300C (CLP-735)				Headphones: HPH-150 / HPH-100 / HPH-50 Foot Switches: FC4A / FC5 (CLP-795GP) Foot Controller: FC7 (CLP-795GP) USB Wireless LAN Adaptor: UD-WL01 AC Adaptor: PA-500	

* Availability of Bluetooth Audio / MIDI functions varies by country.

** Availability of optional accessories varies by area. Additional items (e.g. UD-WL01, Internet access) may be required to access certain functions.

The cabinet colours and finishes shown in this brochure may appear different than those on the actual products. Specifications and appearance are subject to change without prior notice.

iPad/iPhone, microphones etc. not included where shown in images. iPad, iPhone and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

GrandTouch is a trademark of Yamaha Corporation.

CSP Series

Model Name			CSP-170	CSP-150
Keyboard	Number of Keys		88	
	Type		NWX (Natural Wood X) Keyboard with synthetic ebony and ivory keytops, escapement	GH3X (Graded Hammer 3X) Keyboard with synthetic ebony and ivory keytops, escapement
	Touch Sensitivity		Hard2, Hard1, Medium, Soft1, Soft2	
	88-key Linear Graded Hammers		-	
	Counterweight		-	
Voices	Piano Sound		Yamaha CFX, Bösendorfer Imperial	
	Binaural Sampling		YES (Yamaha CFX Voice only)	
	Piano Effect		VRM, Key-Off Samples, Smooth Release	
	Polyphony (max.)		256	
	Preset	Number of Voices	692 Voices + 29 Drum / SFX Kits	
		VRM Voices	14	
		Super Articulation2 Voices	-	
Super Articulation Voices		113		
Compatibility		XG, GS (for Song playback), GM, GM2		
Pedals	Half Pedal / Functions		YES / Sustain, Sostenuto, Soft, Glide, Style Start/Stop, Volume, etc.	
	GP Response Damper Pedal		-	
Effects	Types	Reverb / Chorus / Others	Reverb (58 Preset)	
		Effect Types	Master EQ (5 Preset + User), Intelligent Acoustic Control (IAC), Stereophonic Optimiser	
		Vocal Harmony	44 Preset	
		Dual (Layer) / Split	YES	
Styles	Preset	Style Selection	470 (396 Pro Styles, 34 Session Styles, 4 Free Play Styles, 36 Pianist Styles)	
	File Format		-	
	Fingering		Chord Detection Area Full, Chord Detection Area Lower	
	Style Control		INTRO x 1, ENDING x 1, MAIN x 4, FILL IN x 4	
	Playlist (max.)		-	
	Music Finder (max.)		-	
One Touch Setting (OTS)		-		
Songs (Audio)	Recording Time (max.)		Depending on the Smart Device	
	Data Format (Recording / Playback)		Recording: WAV / AAC Playback: Supported format by the Smart Device	
	Functions		Time Stretch, Pitch Shift, Melody Suppressor	
Songs (MIDI)	Preset	Number of Preset Songs	403	
	Recording	Number of Tracks	16	
		Data Capacity	Depending on the Smart Device	
	Compatible Data Format		Recording: SMF (Format 0), Playback: SMF (Format 0 & 1), XF	
Functions	Guide Lamps / Stream Lights		Stream Lights (4 steps)	
	Audio to Score		YES	
	Piano Room		YES	
	Registration Memory		YES	
	Display Out		-	
Bluetooth Audio*			-	
Storage and Connectivity	Storage	Internal Memory	Depending on the Smart Device	
		External Memory		
	Connectivity	USB Connection	USB TO DEVICE, USB TO HOST, iPad	
Sound System	Amplifiers		(45 W + 45 W) x 2	30 W x 2
	Speakers		(16 cm + 8 cm) x 2	16 cm x 2
	Others		Acoustic Optimiser	
Control Interface	Display	Type	Depending on the Smart Device	
		Size		
		Touch Screen		
	Panel	Language	26 Languages (English, Japanese, German, French, Spanish, etc.)	
Cabinet			Key Cover (Sliding), Music Rest, Music Clips	
Dimensions (W x D x H) (with the Music Rest Raised / Lid up)			CSP-170PE: 1,418mm x 466mm x 1,040mm [55-13/16" x 18-6/16" x 40-15/16"]	CSP-150PE: 1,418mm x 466mm x 1,040mm [55-13/16" x 18-6/16" x 40-15/16"]
			CSP-170B / 170WH: 1,412mm x 465mm x 1,040mm [55-85" x 18-5/16" x 40-15/16"]	CSP-150B / 150WH: 1,412mm x 465mm x 1,040mm [55-85" x 18-5/16" x 40-15/16"]
Weight			CSP-170PE: 69.0 kg [152 lb, 2 oz] CSP-170B / 170WH: 67.0 kg [147 lb, 12 oz]	CSP-150PE: 61.0 kg [134 lb, 8 oz] CSP-150B / 150WH: 58.0 kg [127 lb, 14 oz]
Optional Accessories**			Headphones: HPH-150/100/50, Foot Switches: FC4A/FC5, Foot Controller: FC7, USB Wireless LAN Adaptor: UD-WL01, USB Wireless MIDI Adaptor: MD-BT01 / UD-BT01	

* Availability of Bluetooth Audio function varies by country.
** Availability of optional accessories varies by area.

***Available when using Smart Pianist app
Some functions in the CSP series specification chart are limited without the Smart Pianist.

CVP Series

CVP-809GP	CVP-809	CVP-805	CVP-701
88			
GrandTouch™ Keyboard: wooden keys (white only), synthetic ebony and ivory key tops, escapement			GH3X (Graded Hammer 3X) Keyboard: synthetic ivory keytops, escapement
Hard2, Hard1, Medium, Soft1, Soft2			
YES			-
YES	-		
Yamaha CFX, Bösendorfer Imperial			
YES (Yamaha CFX Voice only)			-
VRM, Key-Off Samples, Smooth Release			
256			
1,605 Voices + 58 Drum / SFX Kits + 480 XG Voices	1,315 Voices + 49 Drum / SFX Kits + 480 XG Voices	777 Voices + 29 Drum / SFX Kits 480 XG Voices	
17	14	10	
36	-		
301	227	49	
XG, GS (for Song playback), GM, GM2			
Sustain, Sostenuto, Soft, Glide, Song Play/Pause, Style Start/Stop, Volume, etc.			
YES		-	
Reverb (65 Preset + 30 User), Chorus (107 Preset + 30 User), Insertion Effect (358 Preset + 30 User), Variation Effect (358 Preset + 30 User)	Reverb (65 Preset + 30 User), Chorus (106 Preset + 30 User), Insertion Effect (322 Preset + 30 User), Variation Effect (322 Preset + 30 User)	Reverb (58 Preset + 3 User), Chorus (106 Preset + 3 User), DSP (295 Preset + 3 User)	
Master Compressor (5 Preset + 30 User), Master EQ (5 Preset + 30 User), Part EQ (27 Parts), Intelligent Acoustic Control (IAC), Stereophonic Optimiser			Master Compressor (5 Preset + 5 User), Master EQ (5 Preset + 2 User), Part EQ (27 Parts), Intelligent Acoustic Control (IAC), Stereophonic Optimiser
54 Preset + 60 User			-
YES			
675	525	310 (253 Pro Styles, 21 Session Styles, 36 Pianist Styles)	
Style File Format (SFF), Style File Format GE (SFF GE)			
Single Finger, Fingered, Fingered On Bass, Multi Finger, AI Fingered, Full Keyboard, AI Full Keyboard			
INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3			
2,500 Records			-
-			1,200 Records
4 for each Style			
80 minutes / Song			
WAV (44.1kHz, 16bit, stereo), MP3 (MPEG-1 Audio Layer-3)			WAV (44.1kHz, 16bit, stereo)
Time Stretch, Pitch Shift, Vocal Cancel			
50 Classics + 303 Lesson Songs + 50 Popular			65
16			
approx. 3 MB / Song			
Recording: SMF (Format 0), Playback: SMF (Format 0 & 1), XF			
Guide Lamps (1 step)			
YES***			-
YES			
YES (8 buttons)			
YES (By using a commercially available USB display adaptor)			-
YES			-
approx. 2 GB			approx. 2.8 MB
USB Flash Drive			
USB TO DEVICE x 2, USB TO HOST			USB TO DEVICE, USB TO HOST
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			
(40 W + 30 W + 20 W) x 2 + 80 W		(45 W + 20 W) x 2	25 W x 2
(16 cm + 5 cm + 2.5 cm (dome)) x 2 + 20 cm		(16 cm + 2.5 cm (dome)) x 2	16 cm x 2
Spruce Cone Speaker, Twisted Flare Port		-	
TFT Colour LCD			
800 x 480 dots 9 inch		800 x 480 dots 7 inch	480 x 272 dots 4.3 inch
YES			-
English, Japanese, German, French, Spanish, Italian			
English			
Key Cover (Folding), Music Rest, Music Clips			Key Cover (Sliding), Music Rest
CVP-809GP / 809GPWH: 1,430 mm x 1,236 mm x 1,554 mm [56-5/16" x 48-11/16" x 61-3/16"]	CVP-809PE / 809PWH: 1,429 mm x 612 mm x 1,028 mm [56-1/4" x 24-1/8" x 40-1/2"] CVP-809B: 1,426 mm x 612 mm x 1,027 mm [56-1/8" x 24-1/8" x 40-7/16"]	CVP-805PE: 1,423 mm x 593 mm x 1,027 mm [56-0" x 23-3/8" x 40-7/16"] CVP-805B: 1,420 mm x 592 mm x 1,026 mm [55-15/16" x 23-5/16" x 40-3/8"]	CVP-701PE: 1,355 mm x 596 mm x 1,066 mm [53-3/8" x 23-7/16" x 42"] CVP-701B: 1,352 mm x 595 mm x 1,065 mm [53-1/4" x 23-7/16" x 41-15/16"]
CVP-809GP / 809GPWH: 125 kg (275 lb, 9 oz)	CVP-809PE / 809PWH: 84 kg [185 lb, 3 oz] CVP-809B: 82 kg [180 lb, 12 oz]	CVP-805PE: 84 kg [185 lb, 3 oz] CVP-805B: 80 kg [176 lb, 6 oz]	CVP-701PE: 61.5 kg [135 lb, 9 oz] CVP-701B: 59.0 kg [130 lb, 1 oz]
Headphones: HPH-150 / 100 / 50, Foot Switches: FC4A / FC5, Foot Controller: FC7, USB Wireless LAN Adaptor: UD-WL01, Wireless MIDI Adaptor: MD-BT01 / UD-BT01			Headphones: HPH-150 / 100 / 50, Foot Switches: FC4A / FC5, Foot Controller: FC7, MIDI Interface: i-MX1, USB MIDI Interface: i-UX1, USB Wireless LAN Adaptor: UD-WL01



Yamaha's Environmental Efforts

Yamaha Corp. and Yamaha Motor Co., Ltd. are utilising 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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AP English