



Finely-tuned speakers and cabinetry allow sound to resonate throughout the instrument, giving you the ultimate grand piano experience.

- The CFX and the Imperial from Bösendorfer samples
- Virtual Resonance Modeling (VRM)
- 256-note polyphony
- NWX (Natural Wood X) keyboard with synthetic ivory keytops and escapement
- Key counterweight
- 88-key Linear Graded Hammers
- GP Response Damper Pedal
- Acoustic Optimizer
- Intelligent Acoustic Control (IAC)
- 303 lesson songs
- Rhythms
- Stereophonic Optimizer
- 3-way Speakers
- Speaker box
- Folding key cover

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"Real Grand Expression" Sound, touch, pedals—perfectly integrated to give you the sensation of playing a grand piano.

Real Grand Expression Real Grand Expression. This phrase defines the expressive capability of Clavinova. It is not only the full realization of the sound, the touch and the pedals, but the application of technologies nurtured by crafting acoustic pianos to perfectly integrate these three elements into a single piano. This piano produces that exact sound you want through the touch of the keys and the feel of the pedals. As you play, you will truly feel as though you are playing a grand piano.

Exquisite sound

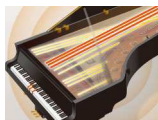


The tone of the finest concert grand pianos in the world



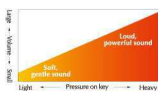
The CFX—Yamaha's finest concert grand selected and played by the winner of the 2010 International Chopin Piano Competition—and the Imperial from Bösendorfer—a brand held in high esteem by pianists throughout its long history—are renowned pianos characterized by distinctive traits such as power, versatility, 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 each key 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 Virtual Resonance Modeling (VRM), which calculates the various states of the strings for each of the 88 notes on the keyboard from one instant to the next, allowing vivid, richly-varied expression that reflects the limitless number of factors inherent in playing the piano—such as the register and the number of keys pressed, the strength with which the keys are played and pedaling timing.

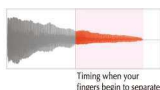
Smooth tonal transformations perfectly matched to key pressure



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.

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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.

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.

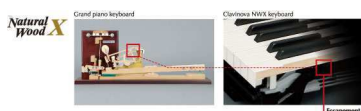
256-note polyphony

Play many notes simultaneously without any unwanted dropped notes.

Superb playability and feel



Natural Wood X (NWX) keyboard



Natural Wood X (NWX) keyboards are created using Yamaha's unrivaled expertise of wood acquired through more than a century of crafting fine pianos. Just as with grand pianos, the material used for the NWX keyboards is cut from wood that has been carefully dried specifically for use in making musical instruments. Utilizing the same hammering system and spring-less mechanism as a grand piano, NWX keyboard action reproduces the touch of an acoustic piano from the heavy feel in the lower register to the lighter touch in the upper octaves. And the three-sensor configuration accurately senses and interprets the behavior of the keyboard for a response and feels very similar to that of a grand piano. The NWX keyboards also feature an escapement mechanism that reproduces a slight clicking sensation near the bottom of the key dip, and 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.

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

Reproduces the gentle, tactile surface of the ivory keyboards once used in only the finest pianos. It features highly-absorbent material that prevents fingers from slipping even after hours of performing, while retaining the ideal texture and feel.

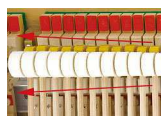
Key counterweights



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

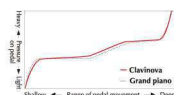
keyboard of the Clavinova has been fine-tuned to offer optimal balance, emphasizing its superb playability and grand piano response.

88-key Linear Graded Hammers



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

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



CLP-585 features 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.

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.

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3-way speakers



Dedicated speakers for the bass, mid and treble registers deliver dynamic, inspiring sound.

Acoustic Optimizer—Regulation to ensure a balanced tone

The body of the Clavinova contains Acoustic Optimizers that regulate the flow of sound and control tone. A new technology springing from Yamaha's intimate knowledge of the acoustic properties of the interiors of musical instruments, Acoustic Optimizers deliver natural, smooth feel and tone across the entire keyboard.

Other features



Easy-to-use interface



An easy-to-read LCD and intuitive layout enable simple operation of your Clavinova, giving you more time to focus on playing.

An abundance of piano lesson pieces

Features exercises for building piano technique from Hanon, Bayer, Czerny and Burgmüller.

Play along with a variety of rhythms

Enjoy performing with rhythms such as jazz, pop, latin and more.

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

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USB Audio Recorder

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

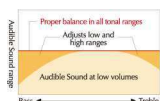
A comprehensive range of keyboard Voices

In addition to its world-class grand pianos, the Clavinova CLP Series boast a library of impressive Voices including an upright piano, electric pianos and a variety of organs. Enjoy the freedom to choose the ideal Voice for the genre of music you want to play.

New reverbs that offer ambiance and spatiality

These reverbs allow to you enjoy the sensation of playing a piano recital in a large concert hall, or experience the ethereal, moving sound of a pipe organ played in a cathedral. The Clavinova Series allow you to incorporate these exquisite reverbs to add depth and atmosphere to your sound and enjoy concert hall ambiance and spaciousness in the privacy of your own home.

IAC (Intelligent Acoustic Control), perfect for playing at home



The ability to adjust performance volume is extremely useful at home where players may not always be able to play at high volume levels. Often at low volumes, both bass and treble may become difficult to hear. To counter this, Clavinova is equipped with Intelligent Acoustic Control (IAC), which adjusts the sound automatically, allowing players to enjoy balanced sound at any volume level.

The Stereophonic Optimizer—a new kind of headphone experience



Unique to Yamaha, the Stereophonic Optimizer adjusts the spacing of the sound and the separation from the piano when listening via the headphones, resulting in a spacious sound image that will inspire you to play for hours at a time.

Instrument apps to expand your musical horizons



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Clavinova and Apps

If you use an iPad, iPhone or iPod touch, Yamaha apps will make playing more convenient and enjoyable!

Specificaties

Size/Weight		
Dimensions	Width	1461mm (57-1/2") (Polished finish: 1467mm (57-3/4"))
	Height	1013mm (39-7/8") (Polished finish: 1015mm (39-15/16"))
	Depth	477mm (18-3/4") (Polished finish: 478mm (18-13/16"))
Weight	Weight	88.0kg (194lbs., 0oz) (Polished finish: 90.5kg (199lbs., 8oz))

Specificaties

Control Interface		
Keyboard	Number of Keys	88
	Type	NWX (Natural Wood X) keyboard with synthetic ivory keytops (wood is used for the white keys)
	Touch Sensitivity	Hard 2, Hard 1, Medium, Soft 1, Soft 2, Fixed
Pedal	Number of Pedals	3
	Half Pedal	Yes
	Functions	Damper with half pedal effect, Sostenuto, Soft
Display	Type	Full Dot LCD
Panel	Language	English
Pedal	GP Response Damper Pedal	Yes
Keyboard	88-key Linear Graded	Yes
	Hammers	
Keyboard	Counterweight	Yes
	Escapement	Yes

Specificaties

Cabinet		
Key Cover	Key Cover Style	Folding
Music Rest		Yes

Specificaties

Voices		
Tone Generation	Key-off Samples	Yes
Polyphony	Number of Polyphony (Max.)	256
Preset	Number of Voices	48 Voices + 480 XG Voices + 14 Drum / SFX kits + GM2 + GS (for GS Song Playback)
Tone Generation	Smooth Release	Yes
Tone Generation	Piano Sound	Yamaha CFX, Bösendorfer Imperial
Tone Generation	VRM	Yes

Effects		
Types	Reverb	6
	Chorus	3
	Brilliance	7
	Master Effect	11
Functions	Dual/Layers	Yes
	Split	Yes
Types	Intelligent Acoustic Control (IAC)	Yes
Types	Stereophonic Optimizer	Yes

Rhythm		
Preset	Number of Rhythm	20

Songs		
Recording	Number of Songs	250
	Number of Tracks	16
Preset	Number of Preset Songs	20 (Voice Demo), 50 (Piano), 303 (Lesson)

Storage and Connectivity		
Storage	Internal Memory	approx. 1.5MB
	External Drives	USB Flash Memory
Connectivity	Headphones	2
	MIDI	IN, OUT, THRU
	AUX IN	Stereo Mini
	AUX OUT	L / L+R, R
	AUX Pedal	Yes
	USB TO DEVICE	Yes
	USB TO HOST	Yes

Amplifiers and Speakers	
Amplifiers	(30W + 30W + 30W) x 2
Speakers	(16 cm + 8 cm + 2.5 cm) x 2 [(6 5/16" + 3 1/8" + 1") x 2]
Acoustic Optimizer	Yes
Speaker Box	Yes

Specifications

Power Supply		
Power Consumption		60W

Accessories		
Included Accessories	Headphones Hanger	Yes
	Song Book	50 greats for the Piano

Functions		
Metronome	Tempo Range	5–500 (quarter note)
	Other Control	Tuning, Scale Type, etc.
USB Audio Recorder	Playback	WAV
	Recording	WAV
Miscellaneous	Transpose	Yes