



Powerful sound and a superb wooden keyboard. Play along with rhythms to enjoy a new form of piano performance.

- The CFX and the Imperial from Bösendorfer samples
- 256-note polyphony
- Natural Wood X (NWX) keyboard with synthetic ivory keytops and escapement
- Acoustic Optimizer
- Intelligent Acoustic Control (IAC)
- 303 lesson songs
- Rhythms
- Stereophonic Optimizer
- 2-way Speakers

## Kenmerken

**"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.

## Kenmerken

### Exquisite sound



### The tone of the finest concert grand pianos in the world



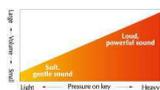
The CFX—Yamaha's finest concert grand selected and played by the winner of the 2010 International Chopin Piano Competition—and the Imperial from Bösendorfer—a brand held in high esteem by pianists throughout its long history—are renowned pianos characterized by distinctive traits such as power, versatility, 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.

### Reproducing the Damper Resonance and deep reverberation of an acoustic piano

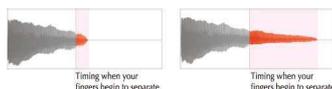
The Clavinova faithfully reproduces the sound of an acoustic piano utilizing features like String Resonance to emulate the mellow tonal color that occurs when strings react to one another. The result is a beautiful tone with rich, deep reverberation. In addition to the reverberation of the strings themselves, Damper Resonance reproduces the broad, deep sound field of an acoustic piano. It also mirrors the tonal changes that result when a damper pedal on a grand piano is depressed. It includes sounds such as those emitted from the key bed and emulates the cumulative resonance that occurs when all of these sounds blend together.

### 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.

### 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.

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### 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.

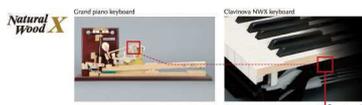
### 256-note polyphony

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.

### 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.

### The mechanics of superior sound



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### **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.

### **2-way speakers**



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

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### 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 (WAV format) you can save and play back on a computer, share with friends or create a CD.

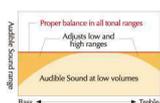
### A comprehensive range of keyboard Voices

In addition to its world-class grand pianos, the Clavinova CLP Series boast a library of impressive Voices including, 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

The new 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.

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### Instrument apps to expand your musical horizons



### 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: 1466mm (57-11/16"))
	Height	927mm (36-1/2") (Polished finish: 930mm (36-5/8"))
	Depth	459mm (18-1/16") (Polished finish: 459mm (18-1/16"))
Weight	Weight	61.5kg (135lbs., 9oz) (Polished finish: 65.0kg (143lbs., 5oz))

## 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), escapement
	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

## Specificaties

Cabinet		
Key Cover	Key Cover Style	Sliding
Music Rest		Yes

## Specificaties

Voices		
Tone Generation	Key-off Samples	Yes
	String Resonance	Yes
Polyphony	Number of Polyphony (Max.)	256
Preset	Number of Voices	34
Tone Generation	Smooth Release	Yes
Tone Generation	Damper Resonance	Yes
Tone Generation	Piano Sound	Yamaha CFX, Bösendorfer Imperial

Effects		
Types	Reverb	6
	Chorus	3
	Brilliance	7
	Master Effect	12
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	18 (Voice Demo), 50 (Piano), 303 (Lesson)

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

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
	USB TO DEVICE	Yes
	USB TO HOST	Yes

## Specificaties

<b>Amplifiers and Speakers</b>	
Amplifiers	(25W + 25W) x 2
Speakers	(16cm + 8cm) x 2 [(6-5/16" + 3-1/8") x 2]
Acoustic Optimizer	Yes

<b>Power Supply</b>	
Power Consumption	30W

<b>Accessories</b>	
Accessories	Headphones Hanger, "50 greets for the Piano"