

# Yamaha CLP-745 PE Clavinova



The CLP Series of digital pianos utilizes cutting-edge technology to recreate the experience of performing on a grand piano, allowing the pianist to play the keys with many variations of speed and depth to achieve an unlimited variation in tone and create uniquely personal performances. With expressive capabilities approaching those of a grand piano, the CLP-700 Series is sure to make playing the piano so much more enjoyable than ever before.

Clavinova pianos are loaded with convenient features only digital pianos can deliver. You can use headphones to keep your surroundings quiet, or connect a Bluetooth® device to your Clavinova for playback through its speakers. Also, connect to Yamaha's app, Smart Pianist, to gain extra help for your piano practice. The simple control panel makes it easy to change piano settings.

GrandTouch-S™ keyboard with wooden keys

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.

GrandTouch-S keyboard of the CLP-745 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 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.

#### Escapement mechanism of Clavinova keyboards

The escapement mechanism in a grand piano moves the hammers away from the strings quickly after they strike them, in order to prevent any interference with string vibration. This mechanism produces a slight clicking sensation when the keys are pressed gently.

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

#### Yamaha Clavinova CLP

##### Design philosophy

Clavinova pianos boast excellent playability, versatility, and a refined design that sets the standard for digital pianos. The Clavinova design concept is centered around the way a player feels when they take their seat at the keys. On select models, we remove any and all unnecessary elements from the player's field of vision to recreate the natural experience of sitting at an acoustic piano. That way, concert grand players can practice exactly the way they perform. As a major facet of a player's everyday life, Clavinova pianos are available in a variety of colors and finishes to enhance any interior design aesthetic or lifestyle.

#### Sensitivity

##### Yamaha Clavinova CLP

##### 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 emphasizing 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.

## Yamaha CLP745PE Clavinova Video

		CLP-745	CLP-735
		Size/Weight	
Dimensions	Width	57-1/2" (1,461 mm) [Polished finish: 57-11/16" (1,466 mm)]	57-1/2" (1,461 mm) [Polished finish: 57-11/16" (1,466 mm)]
	Height	36-1/2" (927 mm) [Polished finish: 36-5/8" (930 mm)]	36-1/2" (927 mm) [Polished finish: 36-5/8" (930 mm)]
	Depth	18-1/16" (459 mm) [Polished finish: 18-1/16" (459 mm)]	18-1/16" (459 mm) [Polished finish: 18-1/16" (459 mm)]
Weight	Weight	132 lb (60 kg, 4 oz) [Polished finish: 138 lb (63 kg, 14 oz)]	125 lb (57 kg, 11 oz) [Polished finish: 132 lb (60 kg, 4 oz)]
		Control Interface	
Keyboard	Number of Keys	88	88
	Type	GrandTouch-S™ keyboard: wooden keys (white only), synthetic ebony and ivory keytops, escapement	GrandTouch-S™ keyboard: synthetic ebony and ivory keytops, escapement
	Touch Sensitivity	Hard2/Hard1/Medium/Soft1/Soft2/Fixed	Hard2/Hard1/Medium/Soft1/Soft2/Fixed
	88-key Linear Graded Hammers	—	—
	Counterweight	—	—
	Number of Pedals	3: Damper (with half-pedal function), Sostenuto, Soft	3: Damper (with half-pedal function), Sostenuto, Soft
	Pedal Functions	Sustain (Switch), Sustain Continuously, Sostenuto, Soft, Pitch Bend Up, Pitch Bend Down, Rotary Speed, Vibe Rotor, Song Play/Pause	Sustain (Switch), Sustain Continuously, Sostenuto, Soft, Pitch Bend Up, Pitch Bend Down, Rotary Speed, Vibe Rotor, Song Play/Pause
Display	GP Response Damper Pedal	—	—
	Type	Full Dots LCD	Full Dots LCD
	Size	128 x 64 dots	128 x 64 dots
Panel	Language	English, Japanese	English, Japanese
	Type	Buttons	Buttons
Key Cover	Language	English	English
	Key Cover Style	Sliding	Sliding
		Cabinet	
		Music Rest	Yes
		Music Braces	Yes
		Voices	

CLP-745			CLP-735		
Tone Generation	Piano Sound	Yamaha CFX, Bösendorfer Imperial	Yamaha CFX, Bösendorfer Imperial		
	Binaural Sampling	Yes (CFX Grand and Bösendorfer voices only)	Yes (CFX Grand and Bösendorfer voices only)		
	Key-off Samples	Yes	Yes		
	Smooth Release	Yes	Yes		
	Virtual Resonance Modeling (VRM)	Yes	Yes		
Polyphony	Grand Expression Modeling	Yes	Yes		
	Number of Polyphony (Max.)	256	256		
Preset	Number of Voices	38	38		
Compatibility		–	–		
Effects					
Types	Reverb	6	6		
	Chorus	3	3		
	Brilliance	7+ User	7+ User		
	Master Effect	12	12		
	Intelligent Acoustic Control (IAC)	Yes	Yes		
Functions	Stereophonic Optimizer	Yes	Yes		
	Dual/Layers	Yes	Yes		
	Split	Yes	Yes		
	Duo	Yes	Yes		
Songs					
Preset	Number of Preset Songs	21 voice demo songs + 50 classics + 303 lesson songs	21 voice demo songs + 50 classics + 303 lesson songs		
	Number of Songs	250	250		
Recording	Number of Tracks	16	16		
Compatible Data Format	Data Capacity	approx. 500 KB/Song	approx. 500 KB/Song		
	Playback	SMF (Format 0, Format 1)	SMF (Format 0, Format 1)		
	Recording	SMF (Format 0)	SMF (Format 0)		
Functions					
USB Audio Recorder	Piano Room	Yes	Yes		
	Playback	.wav (44.1 kHz sample rate, 16-bit resolution, stereo)	.wav (44.1 kHz sample rate, 16-bit resolution, stereo)		
	Recording	.wav (44.1 kHz sample rate, 16-bit resolution, stereo)	.wav (44.1 kHz sample rate, 16-bit resolution, stereo)		
	Metronome	Yes	Yes		
Overall Controls	Tempo Range	5 – 500	5 – 500		
	Transpose	-12 – 0 – +12	-12 – 0 – +12		
	Tuning	414.8 – 440.0 – 466.8 Hz (approx. 0.2 Hz increments)	414.8 – 440.0 – 466.8 Hz (approx. 0.2 Hz increments)		
	Scale Type	7 types	7 types		
	Rhythm	20	20		
	Bluetooth	Audio/MIDI (varies by country)	–		
Storage and Connectivity					

		CLP-745	CLP-735
Storage	Internal Memory	Total maximum size approx. 1.4 MB	Total maximum size approx. 1.4 MB
	External Drives	USB flash drive	USB flash drive
Connectivity	Headphones	Standard stereo phone jack (x 2)	Standard stereo phone jack (x 2)
	MIDI	[IN] [OUT] [THRU]	[IN] [OUT] [THRU]
	AUX IN	Stereo Mini	Stereo Mini
	AUX OUT	[L/L+R] [R]	[L/L+R] [R]
	AUX Pedal	—	—
	USB TO DEVICE	Yes	Yes
	USB TO HOST	Yes	Yes
	DC IN	24 V	16 V
Amplifiers and Speakers			
	Amplifiers	(50 W + 50 W) x 2	30 W x 2
	Speakers	(16 cm + 8 cm) x 2	16 cm x 2
Power Supply			
	Power Consumption	40 W (When using PA-500 AC adaptor)	18 W (When using PA-300C AC adaptor)
	Auto Power Off	Yes	Yes
Power Supply	Adaptors	PA-500	PA-300C
Accessories			
	Accessories	Owner's Manual, "50 Classical Music Masterpieces" Music Book, Online Member Product Registration, Warranty*, Bench*, Power cord*/AC adaptor* PA-500 *varies by area	Owner's Manual, "50 Classical Music Masterpieces" Music Book, Online Member Product Registration, Warranty*, Bench*, Power cord*/AC adaptor* PA-300C *varies by area