



Portable Grand™

DGX-640



DGX-640C

Overview

Yamaha's most piano-like Portable Grand ever, with its weighted Graded Hammer Standard keyboard action and wide selection of piano Voices. Selecting a sound is as easy as keying in a number, and recording virtuoso performances is simple with the built-in recorder. The Yamaha Education Suite and USB connectivity add functionality.

Features

Graded Hammer Standard (GHS) Keyboard with matte finish of black keys

Just as on a traditional acoustic piano, the keys of the lower notes have a heavier touch, while the higher ones are more responsive to lighter playing. The keyboard's sensitivity can even be adjusted to match your playing style. This Graded Hammer technology also enables the instrument to provide authentic touch in a lightweight instrument. The matte finish of the black keys enhances the keyboard's luxurious appearance.

Amazingly Realistic and Dynamic Sounds

Yamaha's highly acclaimed Sweet! and Cool! Voices deliver incredibly natural and very dynamic sound. Use the Pitch Bend wheel and hear these Voices--especially the Sax and Trumpet--truly come alive!

Live!, Cool! and Sweet! Voices

A huge palette of acoustic and electronically amplified instrument sounds. A blend of long, stereo and multi-layered samples is used to fully capture the natural presence, resonance, expression and vibrato of the real instrument.

Digital Signal Processor (DSP)

237 types of the DSP effect can be added to the Main and Dual Voices. These range from reverb-like ambience effects to distortion and other dynamic processing tools that let you enhance the sound, or completely transform it.

Easy Song Arranger

In addition to each song's default style, you can select any other style to play the song with the Easy Song Arranger feature. This means that you can play a song that is normally a ballad, for example, as a bossa nova, as a hip-hop tune, etc. You can create totally different arrangements by changing the style with which a song is played. You can also change the song's melody Voice and the keyboard Voice for a complete change of image.

Performance Assistant Technology (P.A.T.)

Play along with a song on the instrument's keyboard and produce a perfect performance every time ... even if you play wrong notes! All you have to do is play on the keyboard--alternately on the left- and right-hand ranges of the keyboard, for example--and you'll sound like a pro as long as you play in time with the music.



DGX-640W

Pictured with optional LP7A pedal unit.

Music Database plus External Files

You want to play music in your favorite style, but you're not sure how to select the best Voice and style for the type of music you want to play... simply select the appropriate style from the Music Database. The panel settings will automatically be adjusted for the ideal combination of sounds and style! Furthermore, this instrument allows Music Database files transferred from a computer or stored on a USB flash memory device. These files can be used in the same way as the internal Music Database.

USB TO DEVICE

The USB TO DEVICE on the instrument allows you to connect USB memory devices such as flash drives or hard drives, enabling you to save or load registrations and user songs created on the instrument, as well as read data from the connected device such as MIDI files or style files.

USB TO HOST

Dive in and take advantage of the wide world of computer music software. Connections and setup are exceptionally easy, and you can play back your computer-recorded parts with different instrument sounds - all from a single instrument.

Easy Performance with Music Notation Display

When you play back a song, the corresponding score will be shown on the display. This is a great way to learn how to read music. If the song contains lyric and chord data, the lyrics and chords will also appear on the score display.

Yamaha Education Suite (Y.E.S.)

Yamaha Education Suite (Y.E.S.) is an advanced set of helpful learning tools built into the instrument, letting you teach yourself how to play and perform. Y.E.S. helps you master a song with easy lesson steps. Each lesson can be done in isolation with either your left hand or right hand, or both.

Optional three-pedal unit (LP-7A)

The pedal unit has three foot pedals that produce a range of expressive effects similar to those produced by the pedals on an acoustic piano.

Specification Comparison Chart

new

Model Name		DGX-640	DGX-630		
Keyboard		GHS with matte black finish key	GHS		
Voice	Voices	535 Voices	503 Voices		
	Polyphony	64	64		
	Piano Voice Quality	new Live! ! Grand Piano	Live! ! Grand Piano		
	Featured Voices	4 Pianos (Live! Grand Piano, Live! Pop Grand, Live! Warm Grand, Ambient Grand Piano) 9 Live! Voices / 7 Cool! Voices / 8 Sweet! Voices	Sweet! Voice x 8 Live! Voice x 3 Cool! Voice x 5		
Effect	Reverb	35 types	29 types		
	Chorus	44 types	24 types		
	DSP	237 types	182 types		
	Preset Master EQ	5 types	5 types		
	Dual	Yes	Yes		
	Split	Yes	Yes		
	Harmony / Echo	26 types	26 types		
	Panel Sustain	Yes (in menu)	Yes (in menu)		
Style	Number of Preset Styles	165	160		
	User Styles	Yes	Yes		
	Compatible File Format	SFF	SFF		
	Variations	2	2		
	Fingering	Multi / Full Keyboard	Multi / Full Keyboard		
Song	Playback	Number of Preset Songs	30	30	
		Number of Preset Copyright Songs	0	3	
		Compatible File Format	SMF	SMF	
	Recording	Number of Songs	5	5	
		Number of Tracks	6 (5Melody + 1Chord)	6 (5Melody + 1Chord)	
		Compatible File Format	No (Original File Format)	No (Original File Format)	
	User Song to SMF Converter	Yes	Yes		
	Score Display	Yes	Yes		
	Lyric Display		Yes	Yes	
		Compatible Data Format	XF	XF	
Overview Demo		Yes	Yes		
Easy Song Arranger		Yes	Yes		
Music Database		Yes	Yes		
	Number of Songs	300 and more	300		
Overall Control	Tempo	11 to 280	11 to 280		
	Transpose	-12 to 0, 0 to +12	-12 to 0, 0 to +12		
	Tuning	-100 to +100 cents	-100 to +100 cents		
	Pitch Bend Range	1 to 12	1 to 12		
Metronome		Yes	Yes		
Yamaha Education	Type	Waiting, Your tempo, Minus one	Waiting, Your tempo, Minus one		
Suite (Y.E.S.)	Repeat & Learn	Yes	Yes		
	Chord Dictionary	Yes	Yes		
Performance assistant technology		Chord, Melody, Chord / Free, Chord / Melody	Chord, Melody, Chord / Free, Chord / Melody		
One Touch Setting		Yes (Incl. Voice List)	Yes (Incl. Voice List)		
Registration Memory		4 Pads x 8 Banks	2 Pads x 8 Banks		
Controller	Pitch Bend Wheel	Yes	Yes		
	Pedal	Sustain or Optional 3 Pedals (LP-7A)	Sustain or Optional 3 Pedals (LP-7A)		
Display	Type	Full Dot LCD 320 x 240 Dots	Full Dot LCD 320 x 240 Dots		
	Size	98mm x 65mm	98mm x 65mm		
	Backlit	Yes	Yes		
Storage	Flash Memory	Yes	Yes		
	External Storage Device	Yes (USB Flash Memory)	Yes (USB Flash Memory)		
Compatibility	GM	Yes	Yes		
	XG lite	Yes	Yes		
Aux. Jacks	Phones (/Output)	Yes	Yes		
	DC IN	Yes	Yes		
	Foot Switch	Yes	Yes		
	Pedal Unit	Yes (Optional)	Yes (Optional)		
	USB TO HOST	Yes	Yes		
	USB TO DEVICE	Yes (front panel)	Yes (rear panel)		
	Outboard Content	Song	XG/XF Songs	Yes	Yes
			Pianosoft Solo	Yes	No
		DMN lite	Yes	Yes	
		Performance Guide	Yes	Yes	
Others		Style	Yes	Yes	
PC Service		Music Finder Record	Yes	Yes	
		Download	Yes	Yes	
		Interactive (DMN/Hi-Chao)	Yes	Yes	
Amplifier / Speaker	Amplifier	6W x 2	6W x 2		
	Speaker Size	12cm x 2 + 3cm x 2	12cm x 2 + 3cm x 2		
Design / Color		New Design / DGX-640W: Walnut, DGX-640C: Cherry	Cherry color		

* All tentative specification