



The flagship model in the PSR-E series is built for playing live, at home, in the studio or on stage.

### Portable Performance Powerhouse

The PSR-EW400 is the top of the range keyboard in PSR-E Series for both piano focused players and live performers. The 76-key touch response keyboard, various easy-to-use professional features and new Live! Grand Piano voice make this a great instrument for practice, performance and composing. 12W + 12W amplifiers drive the on-board sound system and L/R outputs provide professional connectivity to PA systems or recording hardware.

- 758 high quality voices featuring the new Live! Grand Piano voice
- 12W + 12W amplifiers with 12 cm bass reflex speakers
- 76 keys and 48-note polyphony
- Individual L/R output
- Assignable real-time controllers, DSP effects, and pitch bend
- Connectivity with audio and MIDI capabilities
- USB to Device terminal
- Pattern function to create your own grooves
- Arpeggio function
- Worldwide sounds to expand your musical horizons
- Yamaha Education Suite (Y.E.S.)
- Music Database

### Features

#### 758 high quality voices featuring the new Live! Grand Piano voice



The PSR-EW400 features 758 high quality voices including the new Live! Grand Piano voice which makes piano performances sound inspired and expressive. 8 Sweet! voices and 3 Cool! voices use Yamaha's advanced sampling technologies to capture the realism and specific characteristics of each sound.

#### 12W + 12W amplifiers with 12 cm bass reflex speakers



12W + 12W amplifiers power the high-definition 12 cm bass reflex speakers delivering powerful, crystal clear sound and offering solid support in standalone performance situations.

## Features

### 76 keys and 48-note polyphony



76 keys and 48-note polyphony allow you to perform with greater expression and flexibility. You can play complex musical passages without dropping notes!

### Individual L/R output



Professional audio outputs make connecting to a PA system or studio hardware convenient and quick.

### Assignable real-time controllers, DSP effects, and pitch bend



Two assignable, real-time controllers let you filter and adjust your sound just like an analogue synthesizer. 10 brand new DSP effects can be assigned and controlled in real time for dynamic and expressive live performance. The pitch bend wheel adjusts the pitch of the sound bringing voices like the Guitar, Sax and Trumpet to life.

### Connectivity with audio and MIDI capabilities



The PSR-EW400 features audio transfer through the USB TO HOST terminal\*. You can record your performance to your computer or smart device. Connecting to your iOS device adds a new dimension of MIDI control with apps. Connect an external audio player to the AUX IN jack and you can play along with your favorite tunes. The built-in, advanced Melody Suppressor lowers the volume of vocals and melody lines of the original recordings, leaving that part open for you

to play\*\*. \*For iOS device connection, refer to the "iPhone / iPad Connection Manual"\*\*\*Depending on the song, the volume of the melody part may not be affected.

### USB to Device terminal



The USB to Device terminal on the instrument lets you load and save your settings and songs to a USB flash drive and transfer data from your PC.

## Features

### Pattern function to create your own grooves



The Pattern function puts a wealth of powerful loops and beats at your fingertips, allowing you to instantly create dynamically varied music on the fly. And, for even more authentic performance, try the Crossfade and Retrigger functions.

### Arpeggio function

Tap into instant inspiration with the Arpeggio function, which has been improved for smoother playability. Hold Mode and Allocated key-range free your hands, allowing you to improvise over the pattern. The 150 Arpeggio patterns adjust and morph around the notes and chords you play on the keyboard allowing for almost limitless creativity.

### Worldwide sounds expand your musical horizons



A rich collection of ethnic sounds and scale tunings allow you to enjoy many styles of music from around the world, including Latin, Indian, Arabic, African, Chinese and more.

### 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 regardless of your ability. Choose from nine step-by-step lessons for left, right, or both hands. Y.E.S. helps you master a song with ease.

### Music Database

Get off to a flying start—choose a song and the Music Database automatically selects the best accompaniment and voices for you to start playing immediately.

## Specifications

Color/Finish		
Body	Color	Black

Size/Weight		
Dimensions	Width	1,178 mm (46-3/8")
	Height	138 mm (5-7/16")
	Depth	412 mm (16-1/4")
Weight	Weight	8.4 kg (18 lbs 8 oz.) not including batteries

Control Interface		
Keyboard	Number of Keys	76
	Touch Response	Soft, Medium, Hard, Fixed
Other Controllers	Pitch Bend	Yes
	Control Knobs	Yes
Display	Type	LCD (Liquid Crystal Display)
Panel	Language	English

Voices		
Tone Generation	Tone Generating Technology	AWM Stereo Sampling
Polyphony	Number of Polyphony (Max.)	48
Preset	Number of Voices	Live! Grand Piano + 236 panel Voices + 24 Drum/SFX kits + 40 Arpeggio + 457 XGlite Voices
	Featured Voices	1 Live! Voice, 8 Sweet! Voices, 3 Cool! Voices, 3 Dynamic Voices
Compatibility	XGlite	Yes
	GM	Yes

Effects		
Types	Reverb	9 types
	Chorus	5 types
	DSP	10 types (assignable on control knobs)
	Master EQ	6 types
Functions	Dual/Layers	Yes
	Split	Yes
	Arpeggio	150 types
Types	Harmony	26 types
Functions	Melody Suppressor	Yes
	Crossfade	Yes <input type="checkbox"/> for Internal/AUX IN <input type="checkbox"/>

## Specifications

Accompaniment Styles		
Preset	Number of Preset Styles	220
	Fingering	Multi finger
	Style Control	ACMP ON/OFF, SYNC START, SYNC STOP, START/STOP, INTRO/ENDING/rit., MAIN/AUTO FILL, TRACK ON/OFF
Other Features	Music Database	378
	One Touch Setting (OTS)	Yes
Preset	File Format	Style File Format (SFF)
Expandability	Expansion Style	10

Songs		
Recording	Number of Songs	10
	Number of Tracks	6 (5 Melody + 1 Style/Pattern)
	Data Capacity	Approx. 19,000 notes (when only "melody" tracks are recorded)
	Recording Function	Yes
Compatible Data Format	Playback	SMF
	Recording	Original File Format (SMF 0 conversion function)
Preset	Number of Preset Songs	30

Functions		
Registration	Number of Buttons	4 (x 8 banks)
Lesson/Guide	Yamaha Education Suite (Y.E.S.)	Lesson 1 – 3 (Listening, Timing, Waiting), Repeat & Learn, Chord Dictionary
Overall Controls	Metronome	Yes
	Tempo Range	11 – 280
	Transpose	-12 to 0, 0 to +12
	Tuning	427.0 – 440.0 – 453.0 Hz (approx. 0.2Hz increments)
Miscellaneous	PIANO Button	Yes (Portable Grand Button)
Overall Controls	Scale Setting	Yes

Storage and Connectivity		
Storage	Internal Memory	Approx. 1.29 MB
	External Drives	USB flash drive
Connectivity	DC IN	DC IN 12V
	Headphones	x 1
	AUX IN	Yes (Stereo-mini)
	USB TO DEVICE	Yes
	USB TO HOST	Yes (MIDI/Audio: 44.1 kHz, 16 bit, stereo)
Connectivity	OUT PUT	L/L+R, R
	Sustain Pedal	Yes

## Specifications

Amplifiers and Speakers		
Amplifiers		12 W + 12 W (When using PA-300C AC adaptor)
Speakers		12 cm x 2

Power Supply		
Power Supply		AC Adaptor (PA-300C or an equivalent recommended by Yamaha) or batteries (Six"D"size alkaline (LR20), manganese (R20) or Ni-MH rechargeable batteries)
Power Consumption		11 W (When using PA-300C AC adaptor)
Auto Power Off Function		Yes

Accessories		
Included Accessories	Music Rest	Yes
	Song Book	Download from website

Patterns		
Preset	Number of Preset Patterns	25
	Number of Preset Sections	5