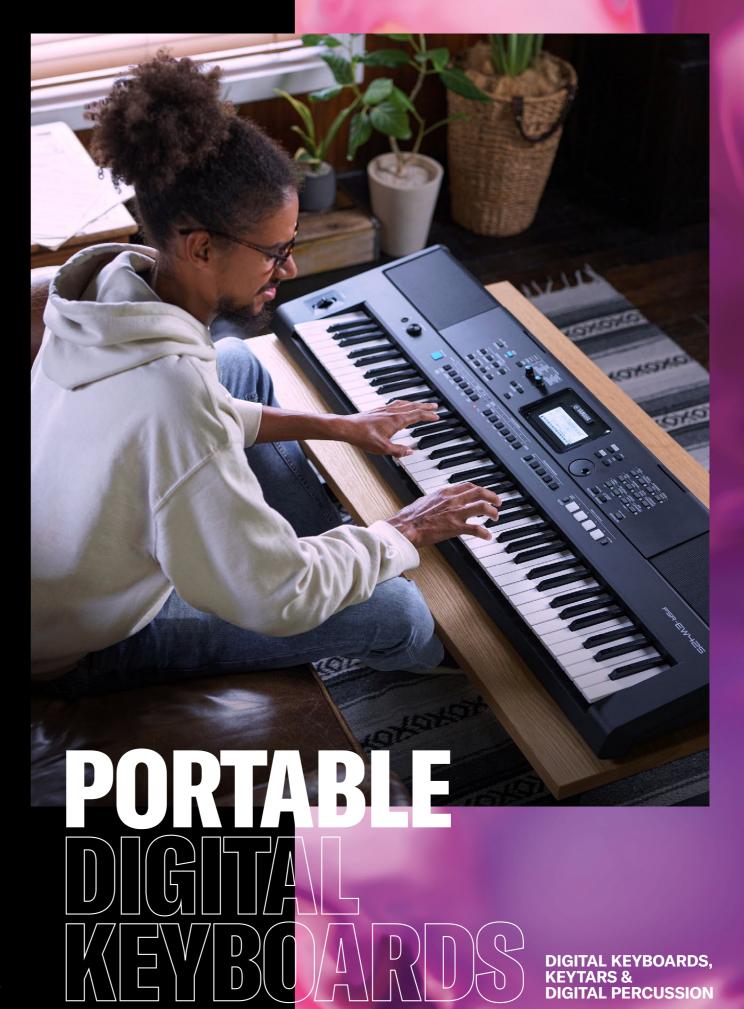




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Experience authentic sound with just the touch of a button. Because Yamaha keyboards come with incredibly detailed sounds captured from



GONTENT

PSR-E473 / PSR-EW425	
PSR-E373 / PSR-EW310 EZ-300 PSR-E273 PSR-E360 PSR-I500 / PSR-A350	1
PIANO FOCUSED KEYBOARDS Piaggero NP-Series	1
MINI SIZE KEYBOARDS PSS-E30 / PSS-F30 PSS-A50	
KEYTARS Sonogenic SHS-Series	1
DIGITAL PERCUSSION DD-75	2
ACCESSORIES Headphones / Stands / Pedals	2
MUSIC SOFTWARE / APPS	2
SPECIFICATIONS	



BENEFITS



GROOVE CREATOR & QUICK SAMPLING

With Groove Creator, buttons and knobs are all you need to create contemporary electronic music and sound like a pro. Capture sound from outside of your instrument using the AUX possibilities are endless!





LIVE CONTROL KNOBS

The two Live Control Knobs make it easy to manipulate and interact with the sound you produce as you play. The ability to set the filter cutoff frequency to change the brightness of the sound and control effects in real time helps bring your performances to life.



PREMIUM SOUND QUALITY

The Super Articulation Lite function lets you realistically simulate the distinct ways each instrument is played — for example, the scratch sound of a distorted electric guitar or the harmonics of a nylon-string guitar. In addition, the PSR-EW425 features premium organ sound created with samples from high-end Yamaha YC Series.



MOTION EFFECT

The Motion Effect function lets you instantly add effects while you play that can, morph the sound with a filter, create pitch risers, add tape stop effects & slices, or other new dynamic sound effects. All by simply holding down the button!



PSR-E473



PSR-EW425

- Touch-sensitive keyboard with 61 keys (PSR-E473) or 76 keys (PSR-EW425)
- 820 high quality Voices with improved sampling
- 14 Super Articualtion Lite Voices
- Premium organ sound created with samples from high-end Yamaha YC Series (PSR-EW425 only)
- 64-note polyphony
- 290 auto accompaniment Styles
- 152 arpeggio types
- Quick Sampling function
- Groove Creator function
- USB Audio Recorder

- Live Control Knobs, Motion Effect functionality, pitch bend wheel
- Enhanced DSP power with DSP1: 41 types, DSP2: 12 types
- Mega Boost
- Melody Suppressor for both analog and digital
- 12W + 12W amplification (PSR-EW425) / 6W + 6W amplification (PSR-E473)
- 12 cm Bass Reflexed speakers
- L&R outputs for connecting to a PA system, Microphone input
- USB TO HOST and USB TO DEVICE; USB Audio





















Yamaha added Direct Category Access buttons to the user interface. Push the buttons for instantaneous access to the Voices and Styles you need for the musical genre of your choice.



MIC INPUT & VOCAL EFFECT

Connect a microphone and sing along with your playing while using built-in studio-quality vocal effects, giving you everything you need for a pro-sounding performance.



Nº 100412 100 1010

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MEGA BOOST

Press the Mega Boost button to add +6dB of powerful volume! This function adds 6Db to the current volume level set by the volume know. Adding a boost to the instruments speaker volume allows you to play with others or be heard above the crowd, even without a PA system.



INDIVIDUAL L/R OUTPUT

Both PSR-E473 and PSR-EW425 come equipped with left and right audio outputs that allow you to easily connect to PA systems and studio equipment - you also have a dedicated headphones jack

ETTINGTHE EWSTANDARD

Setting the new standard for portable keyboards. The PSR-EW310 comes with 76 touch-sensitive the PSR-E373 with 61. Their extensive library with **622** international instrument Voices opens up a new world of exploration.





PSR-E373



PSR-EW310

- Touch-sensitive keyboard with 61 keys (PSR-E373) or 76 keys (PSR-EW310)
- 622 high quality Voices with improved sampling
- 11 Super Articulation Lite Voices
- 48-note polyphony
- 205 auto accompaniment Styles
- 150 arpeggio types
- Brand new DSP effects
- "Keys to Success" with other lesson functions
- 154 Songs, easy Song Book (available via web download)
- Duo mode
- Melody Suppressor for both analog and digital audio input
- 2.5W + 2.5W amplification
- USB TO HOST allowing two-way MIDI and digital audio transfer
- Compatible apps available* *additional connection cable required

















B E N E F I T S 0 U R





With the PSR-E373 & PSR-EW310 you can enjoy 622 stunning Voices including Guitar, Bass, Strings, Drums and Percussion, as well as Piano, Organ, and other classic keyboard instruments.



CONNECT AND CREATE

Hook up your audio player to your keyboard and listen to, or play along with, your favourite music via the instrument's speakers. The PSR-E373 & PSR-EW310 also let you reduce the level of the melody line* with the Melody Suppressor

*The volume of the melody line may not lower for some songs.



YAMAHA EDUCATION SUITE LESSON

Learn built-in songs quickly and easily with the Yamaha Education Suite lesson feature. With the "Keys to Success" for the PSR-E373 & PSR-EW310, you have a step-by-step guide that gets you playing in no time. Plus, the "Touch Tutor" function adds even more expression to your playing.



PLAY WITH A PARTNER

Duo mode for the PSR-E373 & PSR-EW310 allows two people to simultaneously play the same instrument for more fun and togetherness.

equipped with light-up keys and designed for firsttime players. Stylish and comprehensive.



- Touch-sensitive keyboard with 61 lighting keys
- 622 high quality Voices incl. actual samples of a grand piano
- 11 Super Articulation Lite Voices
- 48-note polyphony
- 205 auto accompaniment Styles
- 150 arpeggio types
- Brand new DSP effects
- "Keys to Success" with other lesson functions
- 202 Songs, easy Song Book (available via web download)
- Duo mode
- Melody Suppressor for both analog and digital audio input
- 2.5W + 2.5W amplification
- USB TO HOST allowing two-way MIDI and digital audio transfer
- Compatible apps available* *additional connection cable required



















LIGHT-UP KEYS

Makes playing fun from the very first



AUTHENTIC SOUNDS

Enjoy playing authentic Sounds.



SONGS YOU LOVE 202 built-in Songs that the whole family



DUO MODE Duo mode allows two people to play the same instrument.

PSR-**E273**

- Keyboard with 61 keys
- 401 high-quality Voices
- 32-note polyphopny
- 143 auto accompaniment Styles
- Master EQ / Ultra Wide Stereo
- 112 Songs, easy Song Book (available via web download)
- Lesson function
- Recording function
- Quiz mode
- Duo mode
- 2.5W + 2.5W amplification
- AUX IN jack for connecting an external audio source

















SFX Enjoy a variety of sound effects.



RECORDING Earsily record hand-played phrases.



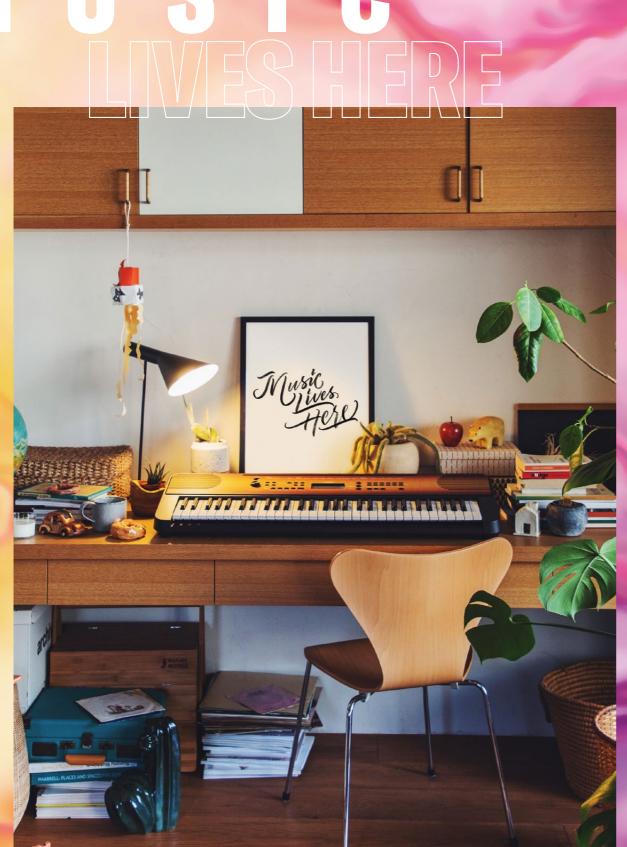
LESSON MODE Helpful learning functions



QUIZ MODE Play along with the "guess the note" quiz.



0 (%)





PSR **E360**

The PSR-E360 features an expressive, touch- ■ Touch-sensitive keyboard with 61 keys sensitive keyboard action along with sophisticated ■ 400 high-quality Voices functions. Designed to enhance your living space, ■ 32-note polyphopny it blends into your home beautifully and becomes ■ 130 auto accompaniment Styles part of the family.













- Master EQ / Ultra Wide Stereo
- 112 Songs, easy Song Book (available via web download)
- 3-step lesson function (Yamaha **Education Suite)**
- Duo mode
- 2.5W + 2.5W amplification
- Recording function
- AUX IN jack for connecting an external audio source

B E N E F I T S Y O U R



ON-BOARD LESSONS SUPPORT LEARNING TO PLAY

3-step lesson - Listening, Timing and Waiting modes are available for each hand, or both hands together. Lessons use the on-board Songs to help build your skills. Then, use the simple recording function to capture and listen to your performance.



PLAY ALONG WITH YOUR FAVOURITE SONGS

Connect your portable music player to hear your favourite music through the instrument's speakers. Play along and you feel like you've joined the band!



PSR-E360 MA (MAPLE)

The maple model's warmth will give the perfect accent to your interior decor and lighten up the whole house.



PSR-E360 DW (DARK WALNUT)

The walnut wood finish on the front panel gives a calm and gentle touch to this keyboard.



PSR-E360 B (BLACK)

From natural warm interiors to urban designed furniture, this chic, modern black finish fits perfectly with any room.







The PSR-I500 is the ideal keyboard for Indian music lovers. It comes equipped with a vast collection of onboard Indian instruments (Voices) and auto accompaniment functions (Styles) covering a broad spectrum of Indian music genres from every corner of the country. This is complemented by incredible features like "Quick Sampling" and "Riyaz" that help you to perform or learn Indian music.

- Touch-sensitive keyboard with 61 keys
- 801 instruments (incl. 40 Indian instruments)
- 282 accompaniment Styles (incl. 50 Indian Styles)
- Riyaz (Tabla/Mridangam & Tanpura) function with 30 Taals
- 160 arpeggio types
- Quick Sampling function (Normal/One shot/Loop)
- Powerful amplifiers with bass reflex speakers
- Professional-quality DSP effects
- Pitch bend wheel
- Lesson function
- Melody Suppressor for both analog and digital audio input
- 6W + 6W amplification
- Compatible apps available*

*additional connection cable required





















PSR: **A350**

Players looking for an instrument for authentic ■ Touch-sensitive keyboard with 61 keys Oriental music will appreciate the comprehensive capabilities and realistic sound of the PSR-A350. A wide variety of quality content inherited from high-end keyboard models offers authentic sound whatever style of music you play, while upgraded features and connectivity expand the joy of playing music even further.



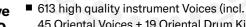












45 Oriental Voices + 19 Oriental Drum Kits)

■ 210 accompaniment Styles (incl. 115 Oriental Styles)

■ 152 arpeggio types (incl. 5 Oriental) ■ 50 Songs

■ Scale Tune Setting (with 12 note buttons & 4 memory banks)

■ Pitch bend wheel

■ AUX IN with Melody Suppressor

■ 2.5W + 2.5W amplification

■ iOS apps available for your iPhone/ iPad/iPod Touch*

*additional connection cable required



















Also available in white (NP-32WH)

Also available in black (NP-12B)

Exquisite tone in a light, compact form - the ■ Graded soft-touch keyboard with Piaggero NP Series is a combination of elegance and simplicity. Designed around the essential elements that let you concentrate on playing, the Piaggero series keyboards focus on the inspiration ■ 10 Voices (Piano1, Piano2, E.Piano1, and enjoyment of playing a piano.





- 76 keys (NP-32) or touch-sensitive keyboard with 61 keys (NP-12)
- 64-note polyphony
- E.Piano2, Organ1, Organ2, Strings, Vibes, Harpsi1, Harpsi2)
- 10 Voice Demo Songs + 10 Piano Preset
- 6W + 6W amplification (NP-32) / 2.5W + 2.5W (NP-12) amplification
- USB to Host
- iOS apps available for your iPhone/iPad/ iPod Touch*

*additional connection cable required

REAL PIANO SOUND ON THE MOVE

Supremely light and running on just a few standard batteries, Piaggero sets you free to play anywhere, even in the great outdoors.

SMART DESIGN PUTS YOU IN CONTROL

The Piaggero series is designed to make operation easy and intuitive. Functions are easily accessible and the control panel does not distract the player during the performance.

The one-touch recording function captures your performance and those



THE DIGITAL PIANO CONTROLLER APP*

The Digital Piano Controller app gives you easy access to the various functions of the instrument. You can also use the app to save and manage your recordings and store your favourite set-ups.

*Available for your iPhone/iPad/iPod Touch





- High-quality mini-keyboard with 37 keys
- 49 Voices (instruments)
- 74 sound effects
- 28 auto accompaniment Styles and the Smart Chord function
- 30 onboard Songs and free digital songbook
- Quiz mode Guess the sound!
- Light and compact
- Built-in speaker / Headphones jack
- Battery and USB bus powered* *USB power adaptor is sold separately









PSS-**F30**

- High-quality mini-keyboard with 37 keys
- 120 Voices (instruments)
- 114 auto accompaniment Styles and the Smart Chord function
- 30 onboard Songs and free digital songbook
- Various functions (Sustain, Metronome, and more!)
- Light and compact
- Built-in speaker / Headphones jack
- Battery and USB bus powered* *USB power adaptor is sold separately











PSS-E30 **OUIZ MODE GROWS WITH** THEM

LEAD THE BAND!

PSS-F30



PSS-E30 & F30 MINI-SIZED KEYS **MADE TO FIT**



PSS-E30 & F30 **EASY TO TIDY UP**



PSS-E30 & F30 PRESET SONGS MAKE AN EASIER



PSS-E30 & F30 **PLUG IN HEADPHONES**

PSS-**A50**

■ High-quality touch-sensitive mini-keyboard with 37 keys

MIHUS

- 42 Voices (instruments)
- 138 arpeggio types
- Phrase recorder
- Motion Effect
- USB-MIDI connection
- Light and compact
- Built-in speaker / Headphones jack
- Battery and USB bus powered* *USB power adaptor is sold separately





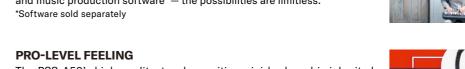


ENEFITS



COMPUTER CONNECTIVITY

Connect the PSS-A50 to a computer to experiment with virtual instruments and music production software* - the possibilities are limitless.

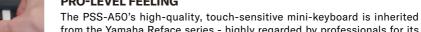




ANYTIME -**ANYWHERE**



PLUG IN **HEADPHONES**



from the Yamaha Reface series - highly regarded by professionals for its outstanding touch, feel and expressive power. Master complex chords and difficult phrases. Take on the high-speed passages and emotional melodies that challenge professional players.







sonogenic shs-300

- High-quality mini-keyboard with 37 touch-sensitive keys
- 30 high-quality Voices (instrument sounds) with 48-note polyphony (SHS-500) / 12 high-quality Voices (instrument sounds) with 32-note polyphony (SHS-300)
- Controllers: Pitch bend wheel (both); Modulation wheel and assignable real-time control knob (SHS-500 only)
- JAM function with 5 mode (SHS-500) / 3 mode (SHS-300)
- DSP and Master EQ (SHS-500 only)
- USB Audio & MIDI interface (SHS-500) / USB MIDI interface (SHS-300)
- Wireless Bluetooth® MIDI connectivity
- Built-in speaker / Headphone jack
- Compatible apps available*









*additional connection cable required

Y O U R BENEFITS



LIVE CONTROL AT YOUR FINGERTIPS

In addition to Pitch Bend and Modulation wheels, SHS-500 also features an assignable knob that lets you control a wide range of effects, giving you extraordinarily expressive, dynamic performance power. You can also assign effect control to your modulation wheel!



JAM FUNCTION

CONNECTIVITY

Both models feature USB-to-HOST terminals, allowing you to connect an external device. In addition, the SHS-500 is equipped with a MIDI (mini-DIN) terminal to allow you to connect with external digital instruments via MIDI, including both hardware and software synthesizers. Connect both your SHS-500 or SHS-300 to your smart device using Bluetooth® MIDI, or a computer via USB for 2-way audio and MIDI.



ON THE SPOT







BATTERY-POWERED



The Yamaha Chord Tracker app helps you practice and perform your favourite songs by analysing the audio track and then displaying the relevant chord symbols for you.

*Available for iOs and Android.

Thanks to its sleek, compact design, the Sonogenic SHS-500 & SHS-300 are ready to go anywhere you want to play or practice. Keytar ("Key"board + Gui"tar") gives you the freedom to dance, jump and move around while you play!



8 touch-sensitive drum pads in an easy-playing layout allow for expressive drumming

- 2 assignable foot pedals included for kick, hi-hat or any other Voice
- Compact & portable design with battery operation allows you to play anywhere you want
- Headphone jack allows you to play anytime you want
- AUX IN jack for connecting and playing along with your favourite music
- 570 Voices assignable to any pad
- Hand Percussion mode
- 105 built-in Songs for learning and playing along with
- 75 programmed Drum Kits + 10 Custom Kits
- 32-note polyphony
- Stereo speakers with bass port provide great sound quality
- Reverb and Master EQ
- Sensitivity adjustment for individual pads and bass pedal
- Record your own Songs
- (up to 5 in memory at one time)
- MIDI IN/OUT

YOUR BENEFITS



EXPRESS YOURSELF

8 touch-sensitive drum pads, laid out like an acoustic kit, allow for expressive drumming.



IT'S EASY TO PLAY ALONG WITH YOUR FAVOURITE MUSIC

Connect your audio player to the AUX IN jack and jam with your favorite tunes.



TAKE YOUR DRUM KIT WITH YOU

Jamming at a friend's house? With the compact design and easy set-up, just grab your kit and go!



PLAY ANYWHERE YOU WANT

DD-75 can operate on batteries, allowing you to play outside on the street or even at the beach.



JAM AWAY IN SILENCE

This drum kit has a volume control, but when you really don't want to disturb others, plug in your headphones.



USE IT FOR HAND PERCUSSION PLAYING

Use the Hand Percussion mode with a variety of ethnic Percussion Kits, like Chinese, Indian, Middle Eastern, Latin and more. DD-75 includes music genres from around the world.

ACCESSORIES

along with your favourite music!

favourite music.

"The perfect all-in-one mini drum kit solution".

Designed from a drummer's point of view. Play

DD-75 is a digital drum kit with eight touch-

sensitive pads and two foot pedals. It features

high quality drum and a wide variety of percussion

sounds from all over the world. AUX IN jack lets you

connect an audio player and play along with your



KU100 Foot Pedal



HH40 Foot Pedal



MD-BT01 Wireless MIDI Adaptor



SS662 Snare Stand









HPH-150 Headphones

HPH-100 Headphones

HPH-50 Headphones

L-2C Keyboard Stand



FC3A Foot Pedal



FC4A Foot Switch



FC5
Foot Switch

KS-SW100 SUBWOOFER



- Advanced YST II (Yamaha Active Servo Technology II)
- 20 cm (8") cone woofer
- Stylish addition to any room
- Larger body generates full and powerful sound



CONVENTIONAL PORT



TWISTED FLARE PORT



Models	Headphones	Headphones	Headphones	Foot Pedal	Foot Switch	Keyboard Stand	Subwoofer
	HPH-150	HPH-100	HPH-50	FC3A	FC4A / FC5	L-2C	KS-SW100
PSR-EW425	1	1	1		1		✓
PSR-E473	1	1	1		1	1	1
PSR-E373	1	1	1		1	1	
PSR-EW310	1	1	1		1	1	
EZ-300	1	1	1		1	1	
PSR-E273	1	1	1		1	1	
PSR-E360	1	1	1		1	1	
PSR-I500	1	1	1		1	1	
PSR-A350	1	1	1		1	1	
NP-32B/WH	1	1	1	1	1	1	
NP-12B/WH	1	1	1	1	1	1	
PSS-F30	1	1	1				
PSS-E30	1	1	1				
PSS-A50	1	1	1				
SHS-500	1	1	1				
SHS-300	1	1	1				

Bundle conditions and availability of optional accessories may vary from country to country.

YOUR KEYBOARD

You're going to love practising and performing even more once you get your hands on the cool, interactive tools that Yamaha has waiting for you. By downloading apps, your iPhone/iPad/iPod Touch or your Android device will have you mastering music faster than you can imagine, while our song database offers a huge variety of classic and contemporary tunes.



MusicSoft Manager*

MusicSoft Manager lets you transfer your music directly onto your Yamaha digital instrument.



My Music Recorder*

My Music Recorder is designed for parents to record, archive and share their children's daily musical performances.



Digital Piano Controller*

Intuitive touch-screen operation! Enjoy a variety of digital piano functions with ease. The app supports a wide variety of playing situations - for example piano practice.



Piano Diary^{*}

Piano Diary allows you to record your own piano playing, to replay later. You can track your playing statistics and enjoy rewards for your continuous piano practice.



Rec'n'Share

Rec'n'Share allows you to record audio and video along with songs from your music library and then share your performances.



Chord Tracker

The Yamaha Chord Tracker app helps you practice and perform songs by analyzing the audio song stored in your device and then displays the chord symbols for you.

Models	MusicSoft Manager*	Piano Diary*	My Music Recorder*	Rec'n'Share**	Digital Piano Controller*	Chord Tracker
PSR-EW425	1			✓		
PSR-E473	1			✓		
PSR-E373	1			1		
PSR-EW310	1			1		
EZ-300	1			1		
PSR-1500	1	✓		✓		
PSR-A350	1	✓	1			
NP-32	/	1	/		1	
NP-12	1	1	1		1	
SHS-500						(✓)
SHS-300						(✓)

Available at:



*Only available at:

App Store

Additional fun and functional Yamaha applications are also available. To find out more, please visit:

europe.yamaha.com/en/products/apps

Some applications are only available in certain regions.

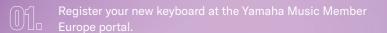
LEARN THE KEYBOARD WITH YAMAHA AND FLOWKEY







the piano. Even if you're a beginner, you can learn to play a wide range of songs on your keyboard, in no time!







Scan the QR-code to gain three months

free access to the app.



SPECIFICATIONS

Models		PSR-EW425	PSR-E473	PSR-E373	PSR-EW310	EZ-300	PSR-E273	PSR-E360	PSR-I500	PSR-A350
Keys (Keyboa	ard Style)	76	61	61	76	61 (Light-up keys)	61	61	61	61
Touch Sensiti	vity	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes
Polyphony	<u> </u>	64	64	48	48	48	32	32	48	32
Controllers	Pitch Bend Wheel	Yes	Yes	-	-	-	-	-	Yes	Yes
	Live Control Knobs	x 2	x 2	-	-	-	-	-	x 2	-
	Scale Tune Buttons	-	-	-	-	-	-	-	-	Yes
Voices	Preset	Voice x 294 XG lite x 458 Drum/SFX kit x 28 Arpeggio Voice x 40	Voice x 294 XG lite x 458 Drum/SFX kit x 28 Arpeggio Voice x 40	Voice x 241 XG lite x 339 Drum/SFX kit x 22 Arpeggio Voice x 20	Voice x 197 XG lite x 339 Drum/SFX kit x 18 Arpeggio Voice x 20	Voice x 197 XG lite x 339 Drum/SFX kit x 18 Arpeggio Voice x 20	Voice x 384 Drum/SFX kit x 17	Voice x 384 Drum/SFX kit x 16	Voice x 257 XG lite x 462 Drum/SFX kit x 32 Arpeggio Voice x 50	Voice x 221 XG lite x 339 Drum/SFX k x 33 Arpeggio Voice x 20
	Featured Voices	4 Live! Voices, 9 Sweet! Voices, 6 Cool! Voices, 14 Super Articulation Lite Voices, 10 Premium Organ Voices	3 Live! Voices, 9 Sweet! Voices, 6 Cool! Voices, 14 Super Articulation Lite Voices	3 Live! Voices 4 Sweet! Voices 6 Cool! Voices 11 Super Articulation Lite Voices	3 Live! Voices 4 Sweet! Voices 6 Cool! Voices 11 Super Articulation Lite Voices	3 Live! Voices 4 Sweet! Voices 6 Cool! Voices 11 Super Articulation Lite Voices	-	-	Indian Voice x 40 Sweet! Voice x 8 Cool! Voice x 3	Sweet! Voice x1 Cool! Voice x3 Dynamic Voice x 3 (incl. 45 Oriental Voices + 19 Oriental Percussion)
	Compatibility	XG lite/GM	XG lite/GM	XG lite/GM	XG lite/GM	XG lite/GM	-	-	XG lite/GM	XG lite/GM
Styles	Preset	290	290	205	205	205	143	130	282	210
	Format	SFF	SFF	SFF	SFF	SFF	-	-	SFF	SFF
	Music Database	-	-	Yes	Yes	Yes	-	-	-	-
	One Touch Setting (OTS)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Songs	Preset	30 (Onboard)	30 (Onboard)	154	154	202	112	112	60	50
	On-board Recorder	6-Track (5 Melody + 1 Style / Groove Creator) 10-Song	6-Track (5 Melody + 1 Style / Groove Creator) 10-Song	2-Track 5-Song	2-Track 5-Song	2-Track 5-Song	1-Track 1-Song approx. 300 notes	1-Track 1-Song approx. 300 notes	6-Track (5 Melody + 1 Style / Riyaz) 10-Song	2-Track 5-Song
Groove Creator	Preset / Sections	35 / 5	35 / 5	-	-	-	-	-	-	-
Featured Functions	Lesson	-	-	KEYS TO SUCCESS (3 steps)	KEYS TO SUCCESS (3 steps)	KEYS TO SUCCESS (3 steps)	(3 steps), A-B repeat, Chord Dictionary	(3 steps), A-B repeat, Chord Dictionary	Yamaha Education Suite (Y.E.S.)	KEYS TO SUCCESS (3 steps)
	Registration Memory	4 x 8 banks	4 x 8 banks	9 banks	9 banks	9 banks	-	-	4 x 8 banks	9 banks
	Portable Grand button	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Groove Creator	Yes	Yes	-	-	-	-	-	-	-
	Arpeggio	152 types + Motion Effect	152 types + Motion Effect	150 types	150 types	150 types	-	-	160 types	152 types
Effects	DSP	DSP1: 41 types DSP2: 12 types	DSP1: 41 types DSP2: 12 types	38 types	38 types	38 types	-	-	10 types (assignable on control knobs)	-
	Reverb	12 types	12 types	12 types	12 types	12 types	9 types	9 types	12 types	9 types
	Chorus	5 types	5 types	5 types	5 types	5 types	5 types	5 types	5 types	5 types
	Harmony	26 types	26 types	26 types	26 types	26 types	-	-	26 types	26 types
	Master EQ	4 types	4 types	6 types	6 types	6 types	6 types	6 types	6 types	6 types
	Ultra-Wide Stereo	-	-	-	-	-	3 types	3 types	-	3 types
	Melody Suppressor (for AUX IN)	Yes	Yes	Yes	Yes	Yes	-	-	Yes	Yes
Storage	Crossfade (Internal / AUX IN)	Yes Internal Flash Memory; External Drives* (optional)	Yes Internal Flash Memory; External Drives* (optional)	Internal Flash Memory	Internal Flash Memory	Internal Flash Memory	-	-	Internal Flash Memory; External Drives* (optional)	Internal Flas Memory
Connection	USB TO HOST	Yes (MIDI/ Audio)	Yes (MIDI/ Audio)	Yes (MIDI/ Audio)	Yes (MIDI/ Audio)	Yes (MIDI/ Audio)	-	-	Yes (MIDI/ Audio)	Yes (MIDI)
	USB TO DEVICE	Yes	Yes	-	-	-	-	-	Yes	-
	INPUT	AUX IN, MIC IN	AUX IN, MIC IN	AUX IN	AUX IN	AUX IN	AUX IN	AUX IN	AUX IN	AUX IN
	HEADPHONES	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	OUTPUT FOOT PEDAL	L/R Output Sustain	L/R Output Sustain	- Sustain	Sustain	Sustain	- Sustain	- Sustain	- Sustain	Sustain
		(Optional)	(Optional)	(Optional)	(Optional)	(Optional)	(Optional)	(Optional)	(Optional)	(Optional)
Speakers		12 cm x 2	12 cm x 2	12 cm x 2	12 cm x 2	12 cm x 2	12 cm x 2	12 cm x 2	12 cm x 2	12 cm x 2
Amplifiers Dimensions (WxDxH)	12 W + 12 W 1200 x 404 x	6 W + 6 W 992 × 404 ×	2.5 W + 2.5 W 945 x 369 x	2.5 W + 2.5 W 1151 x 369 x	2.5 W + 2.5 W 945 x 369 x	2.5 W + 2.5 W 940 x 317 x	2.5 W + 2.5 W 940 x 317 x	6 W + 6 W 946 × 404 ×	2.5 W + 2.5 V 945 x 369 x
	· .	136 mm	136 mm	118 mm	118 mm	118 mm	106 mm	106 mm	139 mm	122 mm
Weight (not i	ncluding batteries)	8.4 kg	6.6 kg	4.6 kg	5.4 kg	4.8 kg	4.0 kg	4.0 kg	6.6 kg	4.6 kg

Models		PSS-E30	PSS-F30	PSS-A30	SHS-500	SHS-300	
Keys (Keyboard S	Style)	37 HQ mini					
Touch Sensitivity		-	-	Yes	Yes	Yes	
Polyphony		32	32	32	48	32	
Controllers	Pitch Bend	-	-	Yes (Function)	Yes (Wheel)	Yes (Wheel)	
	Modulation	-	-	Yes (Function)	Yes (Wheel)	-	
	Control Knobs	-	-	-	Yes	-	
Voices	Preset Number of Voices	46 Voices, 1 Drum Kit SFX Kits (74 sound effects)	Voice x 117 Drum Kit x 3	Voice x 40 Drum Kit x 2	Voice x 30	Voice x 12	
Styles	Preset	28	114	-	-	-	
	Controls	-	Main, Fill In	-	-	-	
Songs	Preset	30	30	-	3	-	
	On-board Recorder	-		1 phrase	-	-	
Function	Motion Effect	-	-	34 types	-	-	
	Quiz Mode	Yes	-	-	-	-	
	Arpeggio	-	-	138 types	-	-	
	JAM Function	-	-	-	5 mode	3 mode	
	USB Audio Interface	-	-	-	44.1 kHz, 16 bit, stereo	-	
Overal Controls	Metronome	Yes	Yes	Yes	-	-	
	Tempo Range	11 - 280, Tap Tempo (32-280)	11 - 280, Tap Tempo (32-280)	11 - 280, Tap Tempo (32-280)	-	-	
	Octave Button	-	-01 to +01	-04 to +04	Octave Shift	Octave Shift	
	Transpose	-12 to 0, 0 to +12	-6 to 0, 0 to +6				
	Tuning	427.0 - 440.0 - 453.0 Hz (approx.0.2Hz Increments)	427.0 - 440.0 - 453.0 Hz (approx. 0.2 Hz increments)				
Effects DSP		-	-	-	9 types	-	
	Reverb	-	-	-	Yes	-	
	Chorus	-	-	-	Yes	-	
	Master EQ	-	-	-	4 types	-	
Connection	BLUETOOTH	-	-	-	Bluetooth® (Ver 4.0 GATT)	Bluetooth® (Ver 4.0 GATT)	
	USB	-	-	Yes (MIDI, USB micro B)	Yes (MIDI/Audio: 44.1 kHz, 16 bit, stereo)	Yes (MIDI)	
	AUX IN	-	-	-	Yes	Yes	
	LINE OUT	-	-	-	Yes (mono)	-	
MIDI HEADPHONES/OUTPUT		-	-	-	mini-DIN IN/OUT	-	
		Stereo mini jack					
Speakers		8 cm x 1	8 cm x 1	8 cm x 1	3.6 cm x 2	8 cm x 1	
Amplifiers		1.4 W	1.4 W	1.4 W	0.7 W	0.7 W	
Dimensions (WxD	xH)	506 x 201 x 54 mm	506 x 201 x 54 mm	506 x 201 x 54 mm	821 x 121 x 65 mm	733 x 125 x 56 mm	
Weight (not inclu	ding batteries)	1.2 kg	1.2 kg	1.2 kg	1.5 kg	1.2 kg	

Models		NP-32B/WH	NP-12B/WH		
Keys (Keyboard Style)		76 (Piano Style, Graded Soft touch)	61 (Piano Style)		
Touch Sensitivi	ty	Yes	Yes		
Polyphony		64	64		
Voices	Preset Number of Voices	Voice x 10	Voice x 10		
Songs	Preset	10 (Voice Demo) + 10 (Piano)	10 (Voice Demo) + 10 (Piano)		
	On-board Recorder	1-Track 1-Song	1-Track 1-Song		
Effects	Reverb	4 types	4 types		
Connection	USB TO HOST	Yes (MIDI)	Yes (MIDI)		
	HEADPHONES/OUTPUT	Yes	Yes		
	FOOT PEDAL	Sustain (Optional) Half-Damper compatible with FC3A (Optional)	Sustain (Optional) Half-Damper compatible with FC3A (Optional)		
Speakers		(12 cm x 6 cm) x 2	(12 cm x 6 cm) x 2		
Amplifiers		6 W + 6 W	2.5 W + 2.5 W		
Dimensions (WxDxH)		1244 x 259 x 105 mm	1036 x 259 x 105 mm		
Weight		5.7 kg	4.5 kg		

 $^{{}^\}star \! \text{USB}$ Flash Memory etc. For detail, please contact your nearest Yamaha representative.

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