



# PORTABLE DIGITAL KEYBOARDS

**DIGITAL KEYBOARDS,  
KEYTARS &  
DIGITAL PERCUSSION**

# LET THE MUSIC BEGIN

Experience authentic sound with just the touch of a button. Because Yamaha keyboards come with incredibly detailed sounds captured from acoustic pianos, orchestral and electronic instruments. The acclaimed digital sound processing brings a warmth, depth and clarity that's designed to amaze, inspire and entertain. Discover what fascination sounds like with Yamaha.







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# GROOVE LIKE A PRO

If you thought you needed professional-level skills or abilities to enjoy making music like a pro, think again! With the new PSR-E463 & PSR-EW410, all you need to turn your ideas into music is inspiration.



## YOUR BENEFITS



### QUICK SAMPLING – THE POSSIBILITIES ARE ENDLESS

The easy to operate Quick Sampling feature means you can capture and play back your favourite sounds direct from the keyboard by using the AUX input.



### THE BETTER AN INSTRUMENT SOUNDS, THE MORE IT INSPIRES YOU

Featuring a comprehensive library of 758 instrument Voices that will allow you to enjoy playing any musical genre.



### USB-TO-DEVICE TERMINAL

You can record your performances to a USB flash drive. The USB-to-Device terminal on the instrument lets you load and save your settings and songs to a USB flash drive, as well as transfer data from your PC.



### GROOVE CREATOR – MAKE MUSIC LIKE A DJ

You can perform the latest musical styles from the keyboard like a DJ – lay down a beat, tweak the groove, adjust the mix and get the party started!



### REAL-TIME BACKING TRACKS

235 auto accompaniment Styles, including 10 new local Styles and 5 contemporary Styles inherited from our topmodel Genos, provide real-time band backing tracks based on the chords you play.





**PSR-EW410**



**PSR-E463**

76/61 KEYS	758 VOICES	235 STYLES
100 SONGS	AUX IN	USB STORAGE
SONG PLAY/REC	PC CONNECTIVITY	SMART DEVICE CONNECTIVITY

- Touch sensitive keyboard with **76 keys (PSR-EW410)** or **61 keys (PSR-E463)**
- 758 Voices including Live!, Sweet! and Cool! Voices
- 48-note polyphony
- 235 auto accompaniment Styles
- Quick Sampling function
- Groove Creator function
- USB Audio Recorder
- Assignable real-time Control Knobs, DSP effects, and pitch bend wheel
- 160 arpeggio types
- 30 Songs + 70 Songs online (available via web download)
- Melody Suppressor for both analog and digital audio input
- 12W + 12W amplification (PSR-EW410) / 6W + 6W amplification (PSR-E463)
- 12 cm Bass Reflexed speakers
- L&R outputs for connecting to a PA system (PSR-EW410 only)
- USB TO HOST and USB TO DEVICE; USB Audio
- iOS apps available for your iPhone/iPad/iPod touch\*

\*additional connection cable required



#### 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 favourite 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 or sing.



#### ARPEGGIO FUNCTION

Tap into instant inspiration with the Arpeggio function, which now has even 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.



#### INTUITIVE "LIVE CONTROL KNOB" INTERFACE

Change sounds on-the-fly by switching the effect destination! Two assignable, real-time control knobs let you filter and adjust your sound just like an analog synthesizer. 10 DSP effects can be assigned and controlled by the knobs 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. The "Target" button supports quick target change of effect destination.

# SETTING THE NEW STANDARD

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



# FOR PORTABLE KEYBOARDS





PSR-E373



PSR-EW310

- Touch-sensitive keyboard with **61 keys (PSR-E373)** or **76 keys (PSR-EW310)**
- 622 high quality Voices with improved sampling
- 48-note polyphony
- 205 auto accompaniment Styles
- 150 arpeggio types
- Brand new DSP effects
- 11 Super Articulation Lite Voices
- “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



## YOUR BENEFITS

### MORE HIGH-QUALITY VOICES

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.

### COMPACT & PORTABLE

Take your keyboard anywhere you want to play music, with or without batteries.

### 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.

### 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 function.

\*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.

# WHERE WONDERS BEGIN

Discover the secret that turns sounds into melody. The EZ-300 is a 61-key, touch-sensitive keyboard — specially equipped with light-up keys and designed for first-time players. Stylish and comprehensive.



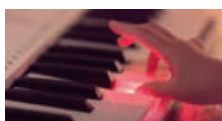
## EZ-300

- Touch-sensitive keyboard with 61 lighting keys
- 622 high quality Voices incl. actual samples of a grand piano
- 48-note polyphony
- Brand new DSP effects
- 11 Super Articulation Lite Voices
- 205 auto accompaniment Styles
- 150 arpeggio types
- “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



## YOUR BENEFITS



### LIGHT-UP KEYS

Makes playing fun from the very first time.



### AUTHENTIC SOUNDS

Enjoy playing authentic Sounds.



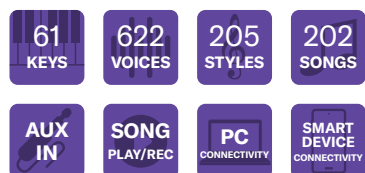
### SONGS YOU LOVE

202 built-in Songs that the whole family will enjoy.



### DUO MODE

Duo mode allows two people to play the same instrument.







# PSR-E273

- Keyboard with 61 keys
- 401 high-quality Voices
- 32-note polyphony
- 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



## YOUR BENEFITS

### SFX

A variety of sound effects can be played on the keyboard.

### RECORDING

Easily record hand-played phrases on the instrument as user songs for playback.

### LESSON MODE

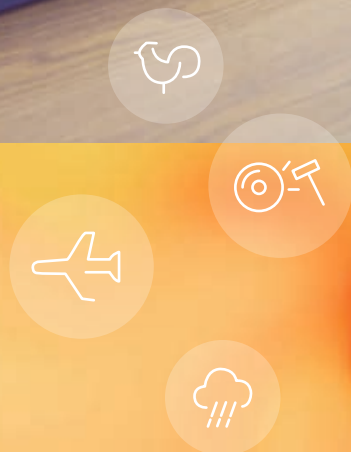
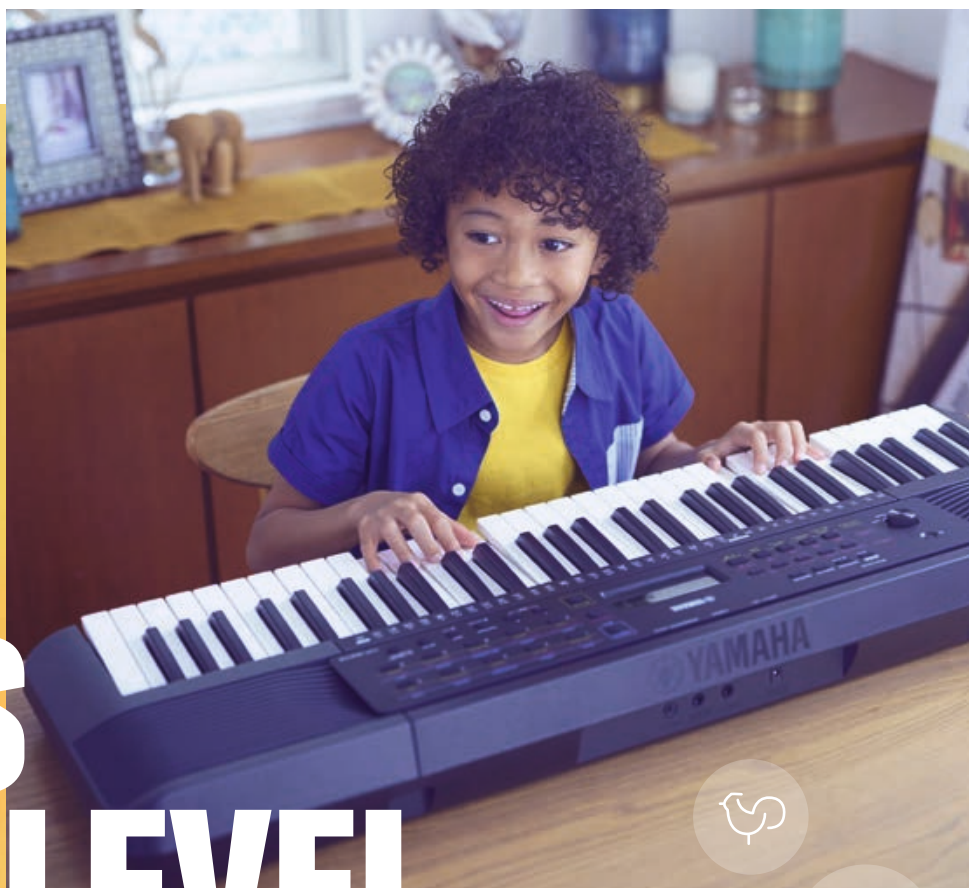
Not just for your listening pleasure but also to be integrated with musical lesson functionality.

### QUIZ MODE

The PSR-E273 lets you have fun playing, and also helps to develop your ear musical ear by playing along with the "guess the note" quiz.

The PSR-E273 is an entry-level portable keyboard with expressive features. Its 61-keys and a wide variety of sounds make it ideal for those starting out.

# MAKES EVERY LEVEL EXCEPTIONAL



PSR-E SERIES

# MUSIC LIVES HERE





# YOUR NEW FAMILY MEMBER



## PSR-E360

The PSR-E360 features an expressive, touch-sensitive keyboard action along with sophisticated functions. Designed to enhance your living space, it blends into your home beautifully and becomes part of the family.



- Touch-sensitive keyboard with 61 keys
- 400 high-quality Voices
- 32-note polyphony
- 130 auto accompaniment Styles
- Master EQ / Ultra Wide Stereo
- 112 Songs, easy Song Book (available via web download)
- Nine-Step lesson function (Yamaha Education Suite)
- Duo mode
- 2.5W + 2.5W amplification
- Recording function
- AUX IN jack for connecting an external audio source

## YOUR BENEFITS



### 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.

PSR-I500 / PSR-A350

# THE NEXT GENERATION



# FOR INDIAN & ORIENTAL MUSIC





## PSR-I500

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 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.

- Touch-sensitive keyboard with 61 keys
- 613 high quality instrument Voices (incl. 45 Oriental Voices + 18 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)



NP-SERIES

# LESS IS MORE







## NP-32B

Also available in white (NP-32WH)



## NP-12WH

Also available in black (NP-12B)

**Exquisite tone in a light, compact form – the 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 and enjoyment of playing a piano.**



- **Graded soft-touch keyboard with 76 keys (NP-32) or touch-sensitive keyboard with 61 keys (NP-12)**
- 64-note polyphony
- 10 Voices (Piano1, Piano2, E.Piano1, E.Piano2, Organ1, Organ2, Strings, Vibes, Harpsi1, Harpsi2)
- 10 Voice Demo Songs + 10 Piano Preset Songs
- 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)

# YOUR BENEFITS



### 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.



### RECORDING IN PROGRESS

The one-touch recording function captures your performance and those moments of musical inspiration.



### 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

# FOR SMALL MUSICAL MAESTROS



## PSS-E30

- 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



## YOUR BENEFITS



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



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



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



**PSS-F30  
LEAD THE BAND!**



**PSS-E30 & F30  
PRESET SONGS  
MAKE AN EASIER  
START**



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



# GROWING UP WITH US



## PSS-A50

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



## YOUR BENEFITS



### COMPUTER CONNECTIVITY

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

\*Software sold separately



### PRO-LEVEL FEELING

The PSS-A50's high-quality, touch sensitive mini-keyboard is inherited 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.



### ANYTIME – ANYWHERE



### PLUG IN HEADPHONES



SONOGENIC SHS-SERIES

# STYLISH, COMPACT AND READY TO PLAY



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!





# sonogenic SHS-500



# 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



## YOUR 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!



### CONNECTIVITY

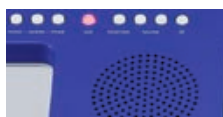
Both models feature USB-to-HOST terminals, allowing you to connect an external device. In addition, the SHS-500 is equipped with a MIDI (mini-DIN) terminal to allow you to connect with external digital instruments via MIDI, including both hardware and software synthesizers. Connect your SHS-500 to your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



JAM FUNCTION



PLAY WITH YOUR FAVOURITE MUSIC ON THE SPOT.



BUILT-IN SPEAKER



BATTERY-POWERED



### THE CHORD TRACKER APP\*

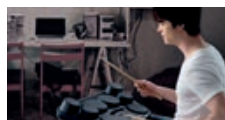
The Yamaha Chord Tracker app helps you practice and perform your favourite songs by analysing the audio track and then displaying the relevant chord symbols for you.

\*Available for iOS and Android.

# AS VERSATILE AS YOU



## 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.



# DRUMS 10 GO



## DD-75

**“The perfect all-in-one mini drum kit solution”. Designed from a drummer’s point of view. Play along with your favourite music!**

**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 favourite music.**

- 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

## A C C E S S O R I E S



**KU100**  
Foot Pedal



**HH40**  
Foot Pedal



**MD-BT01**  
Wireless MIDI Adaptor



**SS662**  
Snare Stand

# OPTIONAL ACCESSORIES







**HPH-150**  
**Headphones**



**HPH-100**  
**Headphones**



**HPH-50**  
**Headphones**



**L-2C Keyboard**  
**Stand**



**FC3A**  
**Foot Pedal**



**FC4A**  
**Foot Switch**



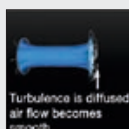
**FC5**  
**Foot Switch**

## KS-SW100 SUBWOOFER

- New Twisted Flare Port contributes to clear and tight bass
- 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-EW410	✓	✓	✓		✓		✓
PSR-E463	✓	✓	✓		✓	✓	
PSR-E373	✓	✓	✓		✓	✓	
PSR-EW310	✓	✓	✓		✓	✓	
EZ-300	✓	✓	✓		✓	✓	
PSR-E273	✓	✓	✓		✓	✓	
PSR-E360	✓	✓	✓		✓	✓	
PSR-I500	✓	✓	✓		✓	✓	
PSR-A350	✓	✓	✓		✓	✓	
NP-32B/WH	✓	✓	✓	✓	✓	✓	
NP-12B/WH	✓	✓	✓	✓	✓	✓	
PSS-F30	✓	✓	✓				
PSS-E30	✓	✓	✓				
PSS-A50	✓	✓	✓				
SHS-500	✓	✓	✓				
SHS-300	✓	✓	✓				

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

# SUPERCHARGE 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 allows you to purchase data, which can be transferred directly onto your Yamaha digital instrument.



## 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.



## MY MUSIC RECORDER\*

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



## CLOUD AUDIO RECORDER\*

Cloud Audio Recorder allows you to record the sound of musical instruments to your iOS devices via the built-in microphone. Also the app supports Audio recording and play-back function via WiFi or cable for some keyboards.



## 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.

Models	MusicSoft Manager*	Piano Diary*	My Music Recorder*	Cloud Audio Recorder*	Rec'n'Share**
PSR-EW410	✓	✓	✓	✓	
PSR-E463	✓	✓	✓	✓	
PSR-E373	✓				✓
PSR-EW310	✓				✓
EZ-300	✓				✓
PSR-I500	✓	✓			✓
PSR-A350	✓	✓	✓		

\*Only available at:



\*\*Also available at:



Some applications are only available in certain regions.

**Additional fun and functional Yamaha applications are also available. To find out more, please visit:**  
[europe.yamaha.com/en/products/apps](http://europe.yamaha.com/en/products/apps)

## YAMAHA DOWNLOADABLES

For many years Yamaha has developed better and stronger instruments. To unleash the full power and potential of each instrument our specialists constantly work to improve their knowledge and expertise. This is one of the reasons why Yamaha content is such a unique combination of amazing instrument sounds and outstanding effects.

To download please visit:

<https://shop.usa.yamaha.com/downloadables>

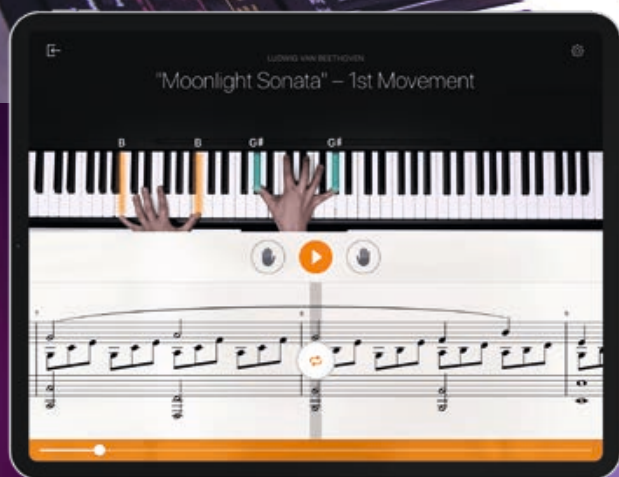




# LEARN THE KEYBOARD WITH YAMAHA AND FLOWKEY

INNOVATIVE.  
INTUITIVE.  
INTERACTIVE.

TRY  
3 MONTHS  
FOR FREE



## FLOWKEY APP FOR MORE LEARNING & FUN

flowkey is one of the world's most popular apps for learning to play the piano. Even if you're a beginner, you can learn to play a wide range of songs on your keyboard, in no time!

01. Register your new keyboard at the Yamaha Music Member Europe portal.
02. Obtain your individual code from the members' portal.
03. Enter your code when registering on the flowkey website.



Scan the QR-code to gain three months, free access to the app.

 **YAMAHA**  
*Make Waves*

*flowkey*

# SPECIFICATIONS

Models		PSR-EW410	PSR-E463	PSR-E373	PSR-EW310	EZ-300	PSR-E273	PSR-E360	PSR-I500	PSR-A350
Keys (Keyboard Style)		76	61	61	76	61 (Light-up keys)	61	61	61	61
Touch Sensitivity		Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes
Polyphony		48	48	48	48	48	32	32	48	32
Controllers	Pitch Bend Wheel	Yes	Yes	-	-	-	-	-	Yes	Yes
	Control Knob	x 2	x 2	-	-	-	-	-	x 2	-
	Scale Tune Buttons	-	-	-	-	-	-	-	-	Yes
Voices	Preset Number of Voices	Voice x 237 XG lite x 457 Drum/SFX kit x 24 Arpeggio Voice x 40	Voice x 237 XG lite x 457 Drum/SFX kit x 24 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 kit x 33 Arpeggio Voice x 20
	Featured Voices	Live! GrandPi-ano Sweet! Voice x 8 Cool! Voice x 3 Dynamic Voice x 3	Sweet! Voice x 8 Cool! Voice x 3 Dynamic Voice x 3	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 x 1 Cool! Voice x 3 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	235	235	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) + 70 (Online)	30 (Onboard) + 70 (Online)	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 / Groove Creator) 10-Song	2-Track 5-Song
Groove	Preset Pattern	35	35	-	-	-	-	-	-	-
	Sections	5	5	-	-	-	-	-	-	-
Featured Functions	Lesson	-	-	KEYS TO SUCCESS (3 Steps)	KEYS TO SUCCESS (3 Steps)	KEYS TO SUCCESS (3 Steps)	(3 steps)	(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	150 types	150 types	150 types	150 types	150 types	-	-	160 types	152 types
Effects	DSP	10 types (assignable on control knobs)	10 types (assignable on control knobs)	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	6 types	6 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
	Crossfade (Internal / AUX IN)	Yes	Yes	-	-	-	-	-	-	-
Storage		Internal Flash Memory; External Drives* (optional)	Internal Flash Memory; External Drives* (optional)	Internal Flash Memory	Internal Flash Memory	Internal Flash Memory	-	-	Internal Flash Memory; External Drives* (optional)	Internal Flash 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	-
	AUX IN	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	HEADPHONES/OUTPUT	Yes; L/R Output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	FOOT PEDAL	Sustain (Optional)	Sustain (Optional)	Sustain (Optional)	Sustain (Optional)	Sustain (Optional)	Sustain (Optional)	Sustain (Optional)	Sustain (Optional)	Sustain (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		12 W + 12 W	6 W + 6 W	2.5 W + 2.5 W	2.5 W + 2.5 W	2.5 W + 2.5 W	2.5 W + 2.5 W	2.5 W + 2.5 W	6 W + 6 W	2.5 W + 2.5 W
Dimensions (WxDxH)		1179 x 413 x 138 mm	946 x 404 x 139 mm	945 x 369 x 118 mm	1152 x 369 x 118 mm	945 x 369 x 118 mm	940 x 317 x 106 mm	940 x 317 x 106 mm	946 x 404 x 139 mm	945 x 369 x 122 mm
Weight (not including 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 Style)		37 HQ mini	37 HQ mini	37 HQ mini	37 HQ mini	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 2	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	-	-	32 types	-	-
	Quiz Mode	Yes	-	-	-	-
	Arpeggio	-	-	138 types	-	-
	JAM Function	-	-	-	5 mode	3 mode
	USB Audio Interface	-	-	-	44.1 kHz, 16 bit, stereo	-
Overall 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	-04 to +04	-04 to +04	-04 to +04	Octave Shift	Octave Shift
	Transpose	-12 to 0, 0 to +12	-12 to 0, 0 to +12	-12 to 0, 0 to +12	-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.0.2Hz Increments)	427.0 - 440.0 - 453.0 Hz (approx.0.2Hz Increments)	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	-	-	-	mini-DIN IN/OUT	-
	HEADPHONES/OUTPUT	Stereo mini jack	Stereo mini jack	Stereo mini jack	Stereo mini jack	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 (WxDxH)		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 including 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 Sensitivity		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

\*USB Flash Memory etc. For detail, please contact your nearest Yamaha representative.

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[www.yamaha.com](http://www.yamaha.com)

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