

Portable Keyboard Catalog 2014-2015

For details please contact:

Ultimate Sound Control

Passionate about making music?

Get a Yamaha instrument that amplifies the soul, rhythm and power of your music and inspires your sonic imagination.

Play a few chords, test out a fresh riff—and hear your music soar.

The music inside you is meant to be heard.



Arranger Workstation

Getting your hands on a Yamaha Arranger Workstation's keyboard will spark a creative collaboration of infinite possibilities and give you power over an immense collection of remarkably real musical instrument Voices, Styles, effects and virtual vocal talent.

Tyros5 / PSR-S950 / PSR-S750 / PSR-S650 / PSR-A2000

Pages 4 - 11

Portable Keyboard

Yamaha Portable keyboards were built to make practicing and performing fun. Whether you're a beginner or a pro, you'll be inspired by their pure, rich and responsive sound from the moment you hit the first chord.

PSR-E443 / PSR-E343 / PSR-E243 / EZ-220

Pages 12 - 15

Piaggero

Designed for musicians who want to travel light and roam far, our fun and stylish Piaggero keyboards offer outstanding piano tone and superior playability in a very portable package.

NP-31 / NP-11 / NP-V80 / NP-V60

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Digital Piano

You'll weave a riveting tapestry of sound worthy of a concert hall instrument with the DGX-650 Portable Grand. The real piano feel of the 88 weighted keys, recording options and huge music database of instrument Voices and Styles will have you playing all the time.

DGX-650B / DGX-650WH

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Compact Digital Piano

P-105B / P-105WH / P-35

Pages 18 - 19

The Power of Reality

When it comes to recording or playing live, one thing holds true for any musician—your sound is defined by the quality of the musicians you play with. In the Tyros5, Yamaha has created the ultimate composing, arranging and performance keyboard. With outstanding sounds, effects and accompaniment so real, it's like being backed by some of the world's finest players. Experience authenticity like never before, and give your playing the power of reality.



Tyros5

- 61/76 Keys
- 1796 Voices
- 539 Styles
- USB Storage
- AUX IN
- PC Connectivity
- AUDIO PLAY / REC
- SONG PLAY / REC
- Expansion Packs

The Freedom to Choose

With their superb sound and state-of-the-art performance features, Tyros workstation keyboards have always offered players an outstanding level of creative freedom. Now you can take advantage of freedom of another kind—the freedom of choice. A new 76-note keyboard extends your expressive range and allows you to make the most of the Tyros5's outstanding performance features. Alternatively, when portability is a priority or space is at a premium, the 61-note model offers all the performance of its bigger brother in a familiar 61-key configuration.

Tyros5-61

Tyros5-76



Audio Styles

Adding forty new percussion-based Styles to the Tyros5's impressive backing and accompaniment capabilities, Audio Styles add natural feel, ambience, and warmth to drum and percussion parts, offering greater expressive potential. Audio Styles also benefit from Yamaha's Time Stretch Technology, which allows the audio to follow your tempo changes without changing pitch, so everything stays in perfect sync.



Ensemble Voice

Enjoy performing with the voices of four different instruments simultaneously, each sounding the most appropriate notes in the harmonies you play, and adding slightly different pitches and timing in order to create a natural and realistic sound. Ensemble Voice is enhanced by an improved version of Yamaha's Super Articulation 2 technology, offering even more realistic reproductions of the characteristics of instruments in the ensemble.



Organ World

The Tyros5 features Vintage, Home, Euro, Concert, and Theatre organ Voices, all superbly reproduced with stunning samples that allow the Tyros to shine in any situation that an organist might encounter. With features such as a comprehensive set of realistic organ-style controls, adjustable effects and intuitive operation that allows you to alter the sound in real time while you play, Organ World is sure to meet the standards of the most demanding performer.

Expand Your Musical Palette with Premium & Expansion Packs



Expand Your Musical Palette with Premium & Expansion Packs

Premium Packs provide a full upgrade for your Tyros5 by adding new Premium Voices, Premium Styles, One Touch Settings, Multi Pads, Registrations and Demonstration songs. Each Premium Voice gives you a fantastic new instrument sound that makes for a valuable addition to your Tyros5's selection of built-in factory Voices. Visit us at www.yamahamusicsoft.com and expand your creativity!

Tyros5 Optional Accessories

Variety of Options

As your musical needs grow, so can the Tyros5. If you want a full, self-contained keyboard system, add the optional TRS-MS05 speakers. Another useful feature is the ability to use optional flash memory expansion modules to store your own waveforms and samples onto non-volatile memory. This non-volatile memory retains your waveform and sample data even when the instrument is turned off.



Optional Speaker: TRS-MS05



Keyboard Stand: L-7S



Flash Memory Expansion Module: FL512M (512 MB) / FL1024M (1GB <1,024 MB>)

Instruments of Total Sound Evolution— the PSR-S Series

A sleek PSR-S series machine may be the only musical instrument you'll ever need. You'll get all the Voices, Styles and special effects needed to write, perform or record any type of music on a keyboard with incredible clarity and dynamic response. The sound quality is so impressively real that people will have to see you to know you're playing solo.



PSR-S950

Redefining the Nature of Digital Music

The PSR-S950 arranger keyboard effectively blurs the line between digital and acoustic sound, and the result will alter your musical perceptions forever. We recorded pro musicians to achieve authentic renditions of their instruments and playing nuances; now you can play alongside them. The PSR-S950's other incredible features—including Vocal Harmony 2 and Super Articulation for thrilling instrumental and vocal support—will juice up your creativity and performances.



Game-changing Features You'll Have to Hear to Believe

Audio Styles—Crossing the Digital Sound Divide

Audio Styles take your music further by adding audio recordings of drummers, percussionists and percussion ensembles playing in various recording studios around the world. They boost the natural feel, ambience and warmth of the drum and percussion parts of the Style, giving your performance greater expressive potential.



Hardware and Software in Overdrive

The PSR-S950 hardware and software drive music quality higher. A brand new speaker box gives the PSR-S950 a full, powerful sound with deep lows and clear highs. You get real distortion DSP which includes a virtual "wah wah" pedal, and a digital EQ for ultra-fine tuning. Our digital amp technology is special—you can turn the volume all the way up and there's no noise unless you make some.



Instant Karaoke Action

Switch on Vocal Cancel function to cancel or suppress the vocals from any song so you can sing along. You can even change the pitch to suit your vocal preference. Want to sing together with a group or someone special? Any embedded lyrics will show up on the external monitor. Performing solo? Just engage the Vocal Harmony 2 feature the PSR-S950 inherited from the Tyros4 and you'll have backup singers harmonizing with you.





PSR-S750

- 61 Keys
- 1186 Voices
- 325 Styles
- USB Storage
- AUX IN
- PC Connectivity
- AUDIO PLAY / REC
- SONG PLAY / REC
- Expansion Packs

A Pro-Class Arranger Workstation with Stellar Sounds and Mixing Capabilities

You'll rule the whole realm of sound with the PSR-S750 Arranger Workstation, featuring everything you need to create, arrange, perform and record music in any genre. Features like Super Articulation reproduce every musical nuance of acoustic instruments with stunning realism, and you have 325 Styles ready to accompany you instantly for dynamic performances. The Real Distortion feature realizes the frequencies and dynamics of real guitar sounds to provide great live and recorded sound.



PSR-S650

- 61 Keys
- 865 Voices
- 181 Styles
- USB Storage
- AUX IN
- PC Connectivity
- SONG PLAY / REC
- Expansion Packs

Everything You Need for Great Practice Sessions, Composing and Live Performance in One Stylish Instrument

Anyone listening to you play the PSR-S650 will be inclined to look around to see where the rest of your ensemble is hiding—the Styles sound that authentic and captivating. The Drum/SFX kits, Styles, effects and super-realistic Voices are riveting and fun to experiment with, particularly the guitar-enhanced Styles with Mega Voice. You can add a wide selection of regional, ethnic and traditional Voices and Styles for greater creative possibilities.



PSR-A2000 اورجیٹل

Specially-Designed to Realistically Capture Middle Eastern Music Styles and Sensibilities

World music is such a rich and varied integration of instruments and genres, and our PSR-A2000 is dedicated to playing them all vibrantly and authentically. It includes a deep database featuring many regional Voices and Styles—with a special focus on Middle Eastern music—as well as Drum/SFX kits and a real-time, front-panel Scale Setting function. Whether you practice, compose or play Middle Eastern music, the PSR-A2000's authentic, expressive tone will touch the souls of any audience.

- 61 Keys
- 1078 Voices
- 351 Styles
- USB Storage
- AUX IN
- PC Connectivity
- AUDIO PLAY / REC
- SONG PLAY / REC
- Expansion Packs

Scale Tuning

You can easily adjust the tuning of the PSR-A2000 to a wide range of preset scales or your own custom scales for playing a variety of music.



Joystick Included

Offering precise, intuitive control of both pitch and modulation, the joystick controller adds a new dimension to your expressive capabilities. Now you can play with rapid trills, dynamic pitch bends, and finely-nuanced modulation, all from a single, easily-configured controller.



Built-in Recording and Playback

Save your compositions and musical ideas quickly and effortlessly with the built-in USB Audio Recorder. You can also play back audio from USB.



World Contents

World Voices	Oud/Oud Tremolo, Nay1-2, Kawala, Kanoun/Kanoun Oct., Saz, Surnay, Bouzouki, Santoor, Rababa, Bouzouk, Nay Takasim, Baglamas, Awtar1-2, Sorna1-2, Tar, Santuri, Kamanche, Awtar, Gerba/Gerba Chorus, Dosaleh, Mijwez, Mizmar/Mizmar Oct., Al Badou, Argoul, Accordion OR, Watariyat1-4, Pizzicato Oct.
World Percussion	ArabicKit1-2, KhaligiKit, IranianKit, TurkishKit, ArabicMixKit, KhaligiMixKit, IranianMixKit
World Styles	Arabic & Maghrebi 45 styles, Khaligi 34 styles, Iranian 37 styles, Turkish & Greek 30 styles

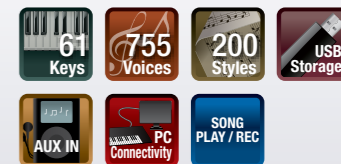
The perfect blend of serious - and seriously fun!

61-key touch response keyboard with easy-to-use professional features like AUX-IN, DJ pattern mode and assignable Live Control knobs that unlock a world of options for musical expression.



NEW PSR-E443

The PSR-E443 is an ideal first keyboard in many ways, but also a robust alternative for more experienced players who are seeking advanced features as they perform or compose their own music. With its wide-ranging capabilities, including built-in AUX IN jack, it represents a great value that will grow with players as they build their abilities and confidence.



PATTERN Function

The PATTERN function puts a wealth of powerful loops and beats at your fingertips to instantly create dynamically varied music on the fly like a DJ, tweaking the Live Control Knobs for even more sound variation. And, for even more authentic performance try the new crossfade and retrigger functions.



755 high quality voices including Super-realistic Sweet! and Cool! Voices

The PSR-E443 includes 755 high quality Voices, ranging from acoustic to electric instruments, featuring 5 Sweet! Voices and 3 Cool! Voices which use Yamaha's renowned advanced Voice technologies. The sound is given the final boost by the built-in 2-way speaker system with bass enhancement.

AUX IN

Connect an external audio player to the AUX IN jacks and play along with your favorite tunes. Advanced vocal/melody suppressor lowers the volume of vocals and melody lines of the original recordings, leaving that part open for you to play.

*Depending on the song, the volume of the melody part may not be affected.



iPhone/iPod touch/iPad connectivity

Connect your iPhone, iPod touch or iPad and experience a new dimension of MIDI control with apps like Yamaha's Scale Tuner, Metronome and Visual Performer.

*For iOS device connection, refer to the "iPhone / iPad Connection Manual"

Fun to Learn on, Exciting to Perform on

Whether you're a veteran keyboard player or a total novice, the portable and stylish PSR-E343, PSR-E243 and EZ-220 models make practicing and performing so much fun, you may find limiting your playing time the biggest challenge of all. With all that training, your musical aptitude will naturally grow.



Effective Lesson Functions

Train using the interactive Yamaha Education Suite. Practice one hand at a time and your musical accompaniment will wait until you play the correct note. You'll never have to worry about falling behind the pace.



Play along with your favorite performers (PSR-E343 only)

Yamaha's unique Melody Suppressor reduces the melody line in any song so you can play along. Connect a variety of devices, like a smartphone or music player, to the AUX IN port and hear yourself play along with your favorite artists. You can even use the AUX IN port to simply listen to music from your music player.



Get connected

Connect your iOS device to the PSR-E343 or PSR-E243 and enhance your musical experience. Yamaha's iOS Applications let you record your performances, keep a record of your practices and even control the instrument's sound.

* The optional i-LX1 USB MIDI Interface is needed for the connection.



PSR-E343



Join the band

With a stunning variety of Voices and Styles, the PSR-E343 opens the door to a world of musical enjoyment. Perfect your technique with the onboard lessons, then when you're ready, connect to a portable music player and use the unique Melody Suppressor function to jump in and play right along. The PSR-E343 also features a comprehensive internal Music Database that it can draw from to provide the perfect musical accompaniment to whichever song you are playing.

PSR-E243



Meet your new sidekick

With a versatile range of sounds and functions, the PSR-E243 is the ideal instrument for aspiring musicians who are just starting out. Featuring unique Ultra Wide Stereo technology for a wide stereo image and great sound, this keyboard also offers onboard lessons that make learning music easy, and more importantly, fun!



EZ-220



Lighted Keyboard Shows You the Way to Play!

The EZ-220 automatically lights your musical path, showing which notes to play and making practice a game you'll always win. Add the interactive Yamaha Education Suite and practice each hand independently at your own pace. Soon, you'll be on your way to becoming a true keyboard master.



EZ-220 Page Turner

Connect wirelessly using this free application for iPad and you can play every one of the hundred popular songs stored in the EZ-220's digital songbook, without ever turning a page.

Freedom to Move, Freedom to Play

Musicians know that inspiration can strike at any time.

With Piaggero, you'll always be able to capture that inspiration and produce the lush sound you'd hear on a concert grand piano whether at home, the beach or in a hotel.



piaggero

NP-31



Real Piano Sound on the Move

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

* Batteries not included



Intuitive, Enjoyable Play

No complex instructions to read here: just get your Piaggero out, set up and start playing.



Smart Design Puts You in Control

Piaggero is laid out to make performing fluid and natural, with frequently used controls situated near the instrument's touch-sensitive keyboard.



Ready to Perform When You Are

Link Piaggero up to an iPad or PC* and you've got a ready-made MIDI controller and the power to compose and perform songs anytime inspiration strikes.

* You'll need a MIDI interface to connect your keyboard to your iPad or PC. Check the Accessories page to find out more.



NP-11

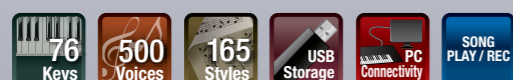


Great Piano Touch in a Compact Package

You set the musical pace with Piaggero's big-toned, touch-sensitive keyboard—with piano-style keys, and so much more. Make your compositions even fuller and fresher using the ten built-in instrument Voices (including organ, strings and electric piano) and four reverb effects. You'll love what you hear, and so will your audience.



NP-V80



A Cool and Versatile Keyboard With USB Storage to Save and Recall Your Music

The NP-V80 has everything you need to make yourself a better musician and perform in style. Call up hundreds of super-realistic instrument Voices and Styles to provide backing for your tunes—including a one-touch feature for drum, guitar and bass accompaniment to form a virtual band. An Arpeggio feature changes phrasing depending on the chords, notes and Voices you play.



A Slim, Light, Versatile and Sonically Responsive Keyboard

When you've got a keyboard like this, you'll be tempted to play all the time. The full, piano-sized keys with Graded Soft Touch technology offer a great playing experience. And if you want accompaniment, just press one button and you've got drums, guitar and bass backing you. You can even select a genre and get hints on rhythm, pattern and tone!

NP-V60



Sonic Reach and Realism for Unforgettable Performances

Searching for big, brilliant piano tone and maybe more?
Our Portable Grand series were born to fill every corner of a venue with vibrant concert-quality sound, and you can intensify the ambiance with hundreds of built-in Voices, Styles and virtual ensembles.



Pedal Unit LP-7A/LP-7WH are optional accessories. For details, refer to the Yamaha website.

Portable Grand™
DGX-650B

More than just a great piano

The DGX-650 combines superb piano Voices, sampled from one of Yamaha's finest grand pianos, with a unique Yamaha keyboard that offers acoustic piano playability. Combined with a comprehensive suite of auto-accompaniment and performance functions that give form to your musical inspirations with ease, the DGX-650 is an instrument that gives you the freedom to perform in almost any musical genre, be it classical, rock, jazz or pop.



Grand piano performance

To make the most out of outstanding piano Voices sampled from a world-class Yamaha CFIIIS concert grand piano, the DGX-650 pairs Yamaha's Graded Hammer Standard keyboard with the power and clarity of a stereo speaker system. This provides authentic piano touch and tone while using the subtle dynamics and tonal shadings of a grand piano to enhance your performance.



Get straight to the music

The DGX-650 lets you jump right in and enjoy playing music, even if you're new to performing. Style Recommender helps you choose the perfect accompaniment to the song you want to play. When you're ready to start playing that song, the Smart Chord function turns your single-note left-hand playing into rich, full arrangements. To make things even easier, the DGX-650 features a large, crystal-clear display that can display music notation, chord changes and lyrics.



DGX-650WH

A Compact Digital Piano with True Acoustic Piano Feel

Close your eyes, play this digital piano and you'll be positive that every note is coming from an acoustic piano. That's because the P-105/P-35 models feature our Graded Hammer Standard Keyboard, so comfortable and natural that any piano lover will enjoy playing one.



P-105B



Get the Rhythm and Call on Expert Accompaniment

Easily set up a Rhythm pattern or Pianist Style to accompany your playing on the P-105 and turn a simple song into a masterpiece.

P-105WH

Keyboard Stand L-85/L-85WH and Pedal Unit LP-5A/LP-5AWH(only P-105) are optional accessories. For details, refer to the Yamaha website.



P-35





DD-65

You'll Always Have the Beat

Eight ultra-responsive drum pads that deliver authentic rhythms from all over the planet. Foot pedals that put a virtual hi-hat and bass drum at your feet. Inputs let you play along with your favorite tunes from CDs, MP3s, and other media or the Internet. Dynamic digital percussion in a go-anywhere machine—that's the DD-65.

Wooden drumsticks and two pedals included.

Models	DD-65	
Pad	Number of Pads	8
	Touch Response	Yes
Voices	Maximum Polyphony	32
	Number of Voices	254 Drum Voices + 25 Phrases
Effects	Number of Drum Kits	50 Preset + 3 Custom
	Reverb	Yes
Songs	Equalizer	Master EQ On/Off
	Number of Preset Songs	100
Lesson	Recording	5 Songs, 4 Tracks each
	Tempo Range	Minus one/Tempo with Preset Songs
Functions	Miscellaneous	11 – 320
		Hand Percussion On/Off, Track On/Off, Tap Start, Pad Start, Break, A-B Repeat, Demo
Storage	Internal Flash Memory: 350KB	
Compatibility	XG lite/GM	
Connection	MIDI	IN, OUT
	AUDIO IN/OUT	PHONES/OUTPUT AUX IN (Mini 1/8")
	Foot Pedal	Hi-hat, Bass drum (included)
Speakers		8cm x 2
Amplifiers		5W x 2
Size	Width	602 mm
	Depth	411 mm
	Height	180 mm
Weight		4.5 kg

Optional Accessories



PA-150
POWER ADAPTOR



PA-130
POWER ADAPTOR



i-MX1
MIDI INTERFACE
FOR iPhone/iPod touch/iPad



i-UX1
USB MIDI INTERFACE
FOR iPhone/iPod touch/iPad



UX16
USB-MIDI INTERFACE



FC4
FOOT SWITCH



FC5
FOOT SWITCH



FC7
FOOT CONTROLLER



TRS-MS05
OPTION SPEAKER



L-7S
KEYBOARD STAND



L-3C
KEYBOARD STAND



HPE-150
HEADPHONES



HPE-170
HEADPHONES

MODELS	POWER ADAPTOR			MIDI INTERFACE			FOOT SWITCH	CONTROLLER	OPTION SPEAKER	KEYBOARD STAND	
	PA-130	PA-150	PA-300	i-MX1	i-UX1	UX16	FC4/5	FC7	TRS-MS05	L-7S	L-3C
Tyros5				✓	✓	✓	✓	✓	✓	✓	✓
PSR-S950 *1			✓	✓	✓	✓	✓	✓		✓	
PSR-S750 *1			✓	✓	✓	✓	✓	✓		✓	
PSR-A2000 *1			✓	✓	✓	✓	✓	✓		✓	
PSR-S650 *1			✓	✓	✓	✓	✓			✓	
NP-V80 *1 *2		✓			✓		✓				✓
NP-V60 *1		✓			✓		✓				✓
NP-31/S *1		✓		✓		✓	✓				✓
NP-11 *1	✓			✓		✓	✓				✓
PSR-E443 *1		✓			✓		✓				✓
PSR-E343 *1	✓				✓		✓				✓
PSR-E243 *1	✓				✓		✓				✓
EZ-220 *1	✓				✓		✓				✓
DD-65		✓		✓		✓					

*1 Adapter included *2 Pedal SW bundled • Bundle conditions and availability of optional accessories may vary from country to country.

Data Storage

USB Connection

Two different types of USB terminals are provided.

USB TO HOST

Connect a computer to the USB TO HOST terminal for data transfer and MIDI recording between the instrument and the computer.

USB TO DEVICE

Connect a USB storage device to this terminal for saving and loading your important data.

* For details about compatible USB devices, refer to the Yamaha website.



Ingenious apps and vast music resources to supercharge your keyboard experience

You're going to love practicing and performing even more once you get your hands on the cool interactive tools and ocean-deep music sources Yamaha has waiting for you. Grab applications such as NoteStar and Repertoire Finder. Your iPad/iPhone/iPod touch will have you mastering the action faster than you can imagine, while our song database supplies the cream of classic and contemporary tunes.

Featured Apps



NoteStar (for iPad)

Keyboard players- experience playing and singing your favorite songs with a real band. NoteStar is Yamaha's digital sheet music application for the iPad that features hands-free, smooth-flowing, easy-to-read digital sheet music accompanied by real audio backing tracks with vocals. The app features unique mixing tools that allow you to listen to and play along with band, or isolate the keyboard, vocal, and independent left and right hand keyboard parts for reference. Adjust the tempo and transpose any song to make learning new songs easier, and enjoy a refreshing new musical experience!



Repertoire Finder (for iPhone/iPod touch/iPad)

Expand your repertoire by requesting and sharing song settings with other users. Want to play the latest's hit? Simply make a request to other users. View recent requests to upload and share your own panel settings and registrations for others to enjoy.

* Compatible models: PSR-S950/S750



My Music Recorder (for iPhone/iPod touch/iPad)

My Music Recorder is an app that allows parents to record their children's performances and daily practices. You can record your performance with MIDI by connecting your iPhone to a compatible MIDI instrument. Video and MIDI performance data will be recorded in the application. You can even post these performances to YouTube or send them to your friends via email.

* The optional i-LUX1 USB MIDI Interface is needed for the connection.
* For wired connection, refer to "iPhone/iPad Connection Manual"



Sound Controller (for iPhone/iPod touch/iPad)

Sound Controller is a Core MIDI app that allows you to control the sound of a compatible Yamaha keyboard. You can use Sound Controller to control the pitch, modulation, filter and many more aspects of the sound. In addition to 5 control effects and 2 types of controllers, Sound Controller offers you 20 preset arpeggio patterns.

* Compatible models: PSR-E343/E243
* The optional i-LUX1 USB MIDI Interface is needed for the connection.
* For wired connection, refer to "iPhone/iPad Connection Manual"



We offer several other fun and functional applications. To get more details and download them, please visit:



Yamaha MusicSoft

In addition to apps, we offer a variety of performance, practice, and entertainment tools to expand your musical library, and inspire you to play better. Visit our Yamaha MusicSoft online store to browse thousands of play-along songs designed to help you play your favorite tunes by your favorite artists and a wide collection of accompaniment Styles puts a professional band at your fingertips, following the notes and chords you play on your keyboard. Styles are great for practice or performances, and are a handy songwriting tool as well!



<http://yamaha.com/kbdapps/>







* Some applications are only available in certain regions.
* Specifications may be changed without notice.





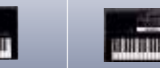

Check our website to get more details and make your choices:





<http://www.yamahamusicsoft.com/>


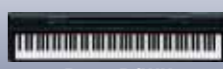

Arranger Workstation

Models	 Tyros5-76	 Tyros5-61	 PSR-S950	 PSR-S750	 PSR-A2000	 PSR-S650	
Keys	76 (Organ Style, FSX)	61 (Organ Style, FSX)	61 (Organ Style)	61 (Organ Style)	61 (Organ Style)	61 (Organ Style)	
Touch Response		Yes	Yes	Yes	Yes	Yes	
After Touch		Yes	-	-	-	-	
Polyphony		128	128	128	128	64	
Controllers	Pitch Bend Wheel	Yes	Yes	Yes	-	Yes	
	Modulation Wheel	Yes	Yes	Yes	-	-	
	Joystick/Scale Setting	-	-	-	Yes	-	
Display	Type	640 x 480 dots TFT Color VGA LCD	320 x 240 dots TFT Color QVGA LCD	320 x 240 dots QVGA B/W LCD	320 x 240 dots QVGA B/W LCD	320 x 240 dots QVGA B/W LCD	
	Preset Number of Voices	Voice x 1279 XG x 480 Drum/SFX kit x 37	Voice x 786 XG x 480 Drum/SFX kit x 33	Voice x 678 XG x 480 Drum/SFX kit x 28	Voice x 565 XG x 480 Drum/SFX kit x 33	Voice x 357 XG x 480 Drum/SFX kit x 28	
Voices	Featured Voices	Ensemble Voice x 55 Super Articulation2 Voice x 44 Super Articulation Voice x 288 MegaVoice x 54 / Sweet! Voice x 37 Cool! Voice x 81 / Live! Voice x 138 Organ World x 40	Super Articulation Voice x 62 MegaVoice x 23 Sweet! Voice x 27 Cool! Voice x 64 Live! Voice x 39 Organ Flutes! x 20	Super Articulation Voice x 38 MegaVoice x 18 Sweet! Voice x 24 Cool! Voice x 46 Live! Voice x 29 Organ Flutes! x 10	MegaVoice x 15 Sweet! Voice x 23 Cool! Voice x 33 Live! Voice x 19 Organ Flutes! x 10 Middle Eastern Voice x 43 Middle Eastern kit x 8	MegaVoice x 9 Sweet! Voice x 12 Cool! Voice x 22 Live! Voice x 18	
	Compatibility	XG/GS/GM/GM2	XG/GS/GM/GM2	XG/GS/GM/GM2	XG/GS/GM/GM2	XG/GS/GM/GM2	
	Preset Number of Styles	539	408	325	351	181	
Styles	Featured Styles	+Audio x 40 / FreePlay x 7 Pro x 441 / Session x 51	+Audio x 25 Session x 32 FreePlay x 1	Session x 30	Session x 12 (Oriental Style x 146)	-	
	Format	SFF, SFF GE	SFF, SFF GE	SFF, SFF GE	SFF, SFF GE	SFF, SFF GE	
	Music Finder/Music Database	Yes (2,500 Records max.)	Yes (2,500 Records max.)	Yes (1,200 Records max.)	Yes (1,200 Records max.)	Yes (Music Database)	
	One Touch Setting (OTS)	4 for Each Style	4 for Each Style	4 for Each Style	4 for Each Style	4 for Each Style	
Songs	Preset Number of Songs	5	5	5	5	9	
	Format	SMF(Format 0 & 1), XF	SMF(Format 0 & 1), XF	SMF(Format 0 & 1), XF	SMF(Format 0 & 1), XF	SMF(Format 0 & 1), XF	
	On-board Recorder	16-Track	16-Track	16-Track	16-Track	16-Track	
Multi Pads	Preset Number of Multi Pad Banks	190 Banks x 4 Pads	126 Banks x 4 Pads	123 Banks x 4 Pads	135 Banks x 4 Pads	-	
	Audio Link	Yes	Yes	Yes	-	-	
	Voice Creator	Yes	Yes	Yes	-	-	
	Style Creator	Yes	Yes	Yes	Yes	Yes	
Featured Functions	Style Recommender	Yes	Yes	Yes	-	-	
	Expansion Voice	Yes *Wave Capacity : depending on the optional Flash Memory Expansion Module (FL1024M, FL512M)	Yes (approx. 64MB max.)	Yes (approx. 64MB max.)	Yes (approx. 64MB max.)	Yes (approx. 16MB max.)	
	Registration Memory	8 x unlimited banks	8 x unlimited banks	8 x unlimited banks	8 x unlimited banks	8 x 8 banks	
	USB Audio	Recording (.wav) Playback (.wav, .mp3)	Recording (.wav) Playback (.wav, .mp3) Time Stretch, Pitch Shift, Vocal Cancel	Recording (.wav) Playback (.wav, .mp3)	Recording (.wav) Playback (.wav)	-	
	Score Display Function	Yes	Yes	Yes	Yes	Yes	
Effects	Lyrics Display Function	Yes	Yes	Yes	Yes	Yes	
	Reverb	52 types + 3 user	44 types	44 types	42 types	35 types	
	Chorus	106 types + 3 user	106 types	71 types	71 types	44 types	
	DSP	DSP 1: 322 types + 3 user DSP 2-9: 322 types + 10 user	DSP 1: 295 types DSP 2-4: 295 types	DSP 1: 295 types DSP 2-4: 128 types	DSP 1: 271 types DSP 2-4: 128 types	237 types	
	Master EQ	5 Presets + 2 user	5 Presets	5 Presets	5 Presets	5 Presets	
	Master Comp	5 Presets + 5 user	-	-	-	-	
Vocal Harmony2	Preset	Vocal Harmony: 44 Synth Vocoder: 10	Vocal Harmony: 44	-	-	-	
	User	60* The number is the total of Vocal Harmony and Synth Vocoder.	60	-	-	-	
	Vocal Effect	23	23	-	-	-	
Storage	Internal Flash Memory:approx.6.7MB HDD(Internal):500GB External Drives**1(optional)	Internal Flash Memory:6.7MB External Drives**1(optional)	Internal Flash Memory:1.9MB ExternalDrives**1(optional)	Internal Flash Memory:3.4MB ExternalDrives**1(optional)	Internal Flash Memory:1.1MB ExternalDrives**1(optional)		
	USB TO DEVICE	Yes (Front/Back)	Yes	Yes	Yes	Yes	
Connection	USB TO HOST	Yes	Yes	Yes	Yes	Yes	
	AUX IN	Yes	Yes	Yes	Yes	-	
	MIDI	IN x 2, OUT x 2	IN, OUT	IN, OUT	IN, OUT	-*3	
	VIDEO OUT	VGA and Video Out	Yes	-	-	-	
	AUDIO IN/OUT	MAIN (L/L+R, R) SUB OUT(1,2) SUB OUT(3,4/AUX OUT) AUX IN MIC PHONES	OUTPUT(L/L+R,R) AUX IN MIC/LINE IN PHONES	OUTPUT(L/L+R,R) AUX IN PHONES	OUTPUT(L/L+R,R) AUX IN(L/L+R,R) PHONES	PHONES/OUTPUT	
	FOOT PEDAL	Sustain x 1, Articulation x 2, Volume x 3 (optional)	Switch or Volume x 2 (optional)	Switch or Volume x 2 (optional)	Switch or Volume x 2 (optional)	Switch Sustain (optional)	
	Speakers	TRS-MS05(optional)	[13cm+2.5cm(dome tweeter)] x 2	(13cm+5cm) x 2	(12cm+5cm) x 2	(12cm+3cm) x 2	
	Amplifiers	-	15W x 2	15W x 2	12W x 2	12W x 2	
	Dimensions (WxDxH)	1347 x 450 x 142mm	1140 x 450 x 142mm	1002 x 437 x 148mm	1002 x 437 x 148mm	1003 x 433 x 148mm	946 x 405 x 137mm
	Weight	16kg	14kg	11.5kg	11kg	11kg	7.3kg

Portable Keyboard

Models	 PSR-E443	 PSR-E343	 PSR-E243	 EZ-220	
Keys	61 (Organ Style)	61 (Organ Style)	61 (Organ Style)	61 (Organ Style, Lighted keys)	
Touch Response	Yes	Yes	-	Yes	
Polyphony	32	32	32	32	
Controllers	Pitch Bend Wheel	Yes	-	-	
	Control Knob	Yes	-	-	
	Scale Setting	Yes	-	-	
Voices	Preset Number of Voices	Voice x 234 XG lite x 457 Drum/SFX kit x 24 Arpeggio Voice x 40	Voice x 187 XG lite x 345 Drum/SFX kit x 18	Voice x 139 XG lite x 233 Drum/SFX kit x 13	Voice x 140 XG lite x 239 Drum/SFX/SE kit x 13
	Featured Voices	Sweet! Voice x 5 Cool! Voice x 3	Sweet! Voice x 1 Cool! Voice x 3	-	-
	Compatibility	XG lite/GM	XG lite/GM	XG lite/GM	XG lite/GM
Styles	Preset	200	136	100	100
	Format	SFF	SFF	-	-
	Music Finder/Music Database	Yes (Music Database)	Yes (Music Database)	-	-
	One Touch Setting (OTS)	Yes	Yes	Yes	Yes
Songs	Preset	30 (Onboard) + 70 (Online)	102	102	101
	On-board Recorder	6-Track 10-Song	2-Track 5-Song	-	-
Pattern	Preset Pattern	20	-	-	-
	Sections	5	-	-	-
Featured Functions	Lesson	Y.E.S.*2	Y.E.S.*2 KEYS TO SUCCESS	Y.E.S.*2	Y.E.S.*2 Guide Lamp
	Registration Memory	4 x 8 banks	9 banks	-	-
	Portable Grand button	Yes	Yes	Yes	Yes
	Page Turner	-	-	-	Yes
	DJ Pattern	Yes	-	-	-
	Arpeggio	Yes	-	-	-
Effects	Reverb	Yes	Yes	Yes	Yes
	Chorus	Yes	Yes	Yes	-
	Harmony	Yes	Yes	-	-
	Master EQ	6 Presets	6 Presets	6 Presets	-
	Ultra-Wide Stereo	Yes	Yes	Yes	-
	Melody Suppressor (for AUX IN)	Yes	-	-	-
Crossfade (Internal / AUX IN)	Yes	-	--	-	
Storage	Internal Flash Memory:1.54MB External Drives**1(optional)	Internal Flash Memory:1.7MB	-	-	
Connection	USB TO HOST	Yes	Yes	Yes	Yes
	USB TO DEVICE	Yes	-	-	-
	AUX IN	Yes	Yes	-	-
	MIDI	-*3	-*3	*3	-*3
	AUDIO IN/OUT	PHONES/OUTPUT	PHONES/OUTPUT	PHONES/OUTPUT	PHONES/OUTPUT
	FOOT PEDAL	Sustain (Optional)	Sustain (Optional)	Sustain (Optional)	Sustain (Optional)
Speakers	(12cm+3cm) x 2	12cm x 2	12cm x 2	12cm x 2	
Amplifiers	2.5W x 2	2.5W x 2	2.5W x 2	2.5W x 2	
Dimensions (WxDxH)	946 x 405 x 140mm	945 x 369 x 122mm	945 x 348 x 117mm	945 x 348 x 111mm	
Weight	6.8kg	4.4kg	4.0kg	4.4kg	










Models	 NP-V80	 NP-V60	 NP-31/S	 NP-11
Keys	76 (Piano Style, Graded Soft Touch)	76 (Piano Style, Graded Soft Touch)	76 (Piano Style, Graded Soft Touch)	61 (Piano Style)
Touch Response	Yes	Yes	Yes	Yes
Polyphony	32	32	32	32
Controllers Pitch Bend Wheel	Yes	Yes	-	-
Voices Preset Number of Voices	Voice x 127 XG lite x 361 Drum/SFX kit x 12	Voice x 116 XG lite x 361 Drum/SFX kit x 12	Voice x 10	Voice x 10
Voices Featured Voices	Sweet! Voice x 8 Cool! Voice x 5 Live! Voice x 3	Sweet! Voice x 5 Cool! Voice x 3	-	-
Voices Dual	Yes	Yes	Yes	Yes
Voices Split	Yes	Yes	-	-
Voices Compatibility	XG lite/GM	XG lite/GM	-	-
Styles Preset	165	160	-	-
Styles Format	SFF	SFF	-	-
Styles Music Finder/Music Database	Yes (Music Database)	Yes (Music Database)	-	-
Styles One Touch Setting (OTS)	Yes	Yes	-	-
Songs Preset	30(Internal) + 70(CD-ROM)	30(Internal) + 70(CD-ROM)	20	20
Songs On-board Recorder	6-Track 5-Song	6-Track 5-Song	-	-
Featured Functions Lesson	Y.E.S.*2	Y.E.S.*2	-	-
Featured Functions Easy Song Arranger	Yes	Yes	-	-
Featured Functions Registration Memory	4 x 8 banks	4 x 8 banks	-	-
Featured Functions Arpeggio	Yes	-	-	-
Featured Functions Performance Assistant Technology	Yes	Yes	-	-
Effects Reverb	Yes	Yes	Yes	Yes
Effects Chorus	Yes	Yes	-	-
Effects Harmony	Yes	Yes	-	-
Effects Master EQ	5 Presets	5 Presets	-	-
Storage	Internal Flash Memory:1.8MB External Drives*1(optional)	Internal Flash Memory:1.8MB	-	-
Connection USB TO DEVICE	Yes	-	-	-
Connection USB TO HOST	Yes	Yes	-	-
Connection MIDI	*3	*3	IN,OUT	IN,OUT
Connection AUDIO IN/OUT	PHONES/OUTPUT	PHONES/OUTPUT	PHONES/OUTPUT	PHONES/OUTPUT
Connection FOOT PEDAL	Sustain (Footswitch included) Half-Damper compatible with FC3 (Optional)	Sustain (Optional) Half-Damper compatible with FC3 (Optional)	Sustain (Optional) Half-Damper compatible with FC3 (Optional)	Sustain (Optional) Half-Damper compatible with FC3 (Optional)
Speakers	(12cm x 6cm+5cm) x 2	(12cm x 6cm) x 2	(12cm x 6cm) x 2	(12cm x 6cm) x 2
Amplifiers	6W x 2	6W x 2	6W x 2	2.5W x 2
Dimensions (WxDxH)	1264 x 312 x 111mm	1228 x 312 x 111mm	1244 x 259 x 105mm	1036 x 259 x 105mm
Weight	7.1kg	6.3kg	5.7kg	4.5kg

Models	 DGX-650B/WH	 P-105B/WH	 P-35
Keys	88 (Graded Hammer Standard)	88 (Graded Hammer Standard)	88 (Graded Hammer Standard)
Touch Response	Yes	Yes	Yes
Polyphony	128	128	32
Controllers Pitch Bend Wheel	Yes	-	-
Display Type	320 x 240 dots QVGA B/W LCD	-	-
Voices Preset Number of Voices	Voice x 147 XG lite x 381 Drum/SFX kit x 15	Voice x 14	Voice x 10
Voices Featured Voices	Natural! Voice x 1 Sweet! Voice x 8 Cool! Voice x 7 Live! Voice x 9	-	-
Voices Dual	Yes	Yes	Yes
Voices Split	Yes	Yes	-
Voices Duo	-	Yes	Yes
Voices Compatibility	XG lite/GM	-	-
Styles Preset	195	10 (Pianist Style)	-
Styles Format	SFF GE	-	-
Styles Music Finder/Music Database	Yes(Music Database)	-	-
Styles One Touch Setting (OTS)	Yes	-	-
Songs Preset	100	64	20
Songs Format	SMF(Format 0 & 1), XF	SMF	-
Songs On-board Recorder	6-Track 5-Song	2-Track 1-Song	-
Songs Lesson	Y.E.S.*2	-	-
Songs Registration Memory	4 x 8banks	-	-
Songs Portable Grand button	Yes	-	-
Songs Score Display Function	Yes	-	-
Songs Lyrics Display Function	Yes	-	-
Songs Rhythm	-	Metronome/10 Rhythms	-
Songs Style Recommender	Yes	-	-
Songs Smart Chord	Yes	-	-
Effects Reverb	Yes	Yes	Yes
Effects Chorus	Yes	-	-
Effects Harmony	Yes	-	-
Effects DSP	237 types	-	-
Effects Master EQ	5 Presets	-	-
Effects Intelligent Acoustic Control (IAC)	Yes	Yes	-
Storage	Internal Flash Memory:1.7MB External Drives*1(optional)	-	-
Connection USB TO DEVICE	Yes	-	-
Connection USB TO HOST	Yes	Yes	-
Connection AUX IN	Yes	-	-
Connection MIDI	*3	*3	IN,OUT
Connection AUDIO IN/OUT	PHONES/OUTPUT	AUX OUT(L/L+R,R) PHONES x 2	PHONES/OUTPUT
Connection FOOT PEDAL	Sustain(Footswitch included) (12cm+5cm) x 2	Sustain(Footswitch included) (12cm+5cm) x 2	Sustain(Footswitch included) 12cm x 2
Amplifiers	6W x 2	7W x 2	6W x 2
Dimensions (WxDxH)	1399 x 445 x 761mm with keyboard stand	1326 x 295 x 163mm	1326 x 295 x 154mm
Weight	29.5kg with keyboard stand	11.7kg	11.5kg

*1 USB Flash Memory etc. For detail, please contact your nearest Yamaha representative.
 *2 The Yamaha Education Suite (Y.E.S.) is a set of learning tools that utilize the latest technology to make studying and practicing music more fun and fulfilling than ever before.
 *3 MIDI is supported via the USB TO HOST terminal.

- Specifications and appearance are subject to change without prior notice. Availability of models may vary from country to country.
- All trademarks and registered trademarks are the property of their respective owners.

Key Features List

	Number of Keys	Indicates how many keys the keyboard of a specific model possesses.		AUX IN	Indicates that the model has "AUX IN" connection so that you can connect your Music Player and play along.
	Number of Voices	Shows the number of instrument Voices.		PC Connectivity	Indicates that the model has a "USB TO HOST" terminal, allowing you to transfer music data to and from your PC.
	Number of Styles	Shows how many Styles of music you can call on to accompany your performance.		AUDIO PLAY / REC	The model's USB Audio function allows you to play back WAV and MP3 files from a USB flash memory device and save your songs in those formats for transfer to a PC to share with friends or create CDs.
	USB Storage	Indicates that the model has a "USB TO DEVICE" terminal, allowing you to save your music using USB media.		SONG PLAY / REC	The model plays back preset songs and commercially available MIDI files and allows you to record and save your own performances to the internal drive or USB flash memory as MIDI files.
				Expansion Packs	Indicates that you can add and enjoy packs of specific Voices and Styles of music.