YAMAHA

ARRANGER WORKSTATIONS

2020

YAMAHA
Make Waves

PSR-**SX900**
PSR-**SX700**
PSR-**SX600**
PSR-**A3000**

English

THE
NEXT
LEVEL
PSR-SX

Setting new standards in high-end Digital Workstation sound, design and user experience. The PSR-SX has been meticulously crafted to intensify your performance and enjoyment.

MUSIC WITHOUT COMPROMISE

INSPIRE AND BE INSPIRED

THE NEXT LEVEL: PSR-SX

Take your performance to a whole new dimension with the PSR-SX. Replacing the hugely successful PSR-S series, PSR-SX is the new generation in Digital Workstation sound, design and user experience. These instruments will inspire and intensify your musical performance and enjoyment.

PSR-SX900

| 61 Keys | 1337 Voices | 525 Styles | USB Storage | AUX IN | PC Connectivity | MIDI Connectivity | AUDIO PLAY/REC | SONG PLAY/REC | Expansion Packs | Mic/Guitar Input | Touch Display | Vocal Harmony2 | Synth Vocoder | Audio Style | SUB OUT | C7 |

PSR-SX700

| 61 Keys | 986 Voices | 400 Styles | USB Storage | AUX IN | PC Connectivity | MIDI Connectivity | AUDIO PLAY/REC | SONG PLAY/REC | Expansion Packs | Mic/Guitar Input | Touch Display |

POWERFUL FEATURES FOR LIVE PERFORMANCE

Joystick
The joystick offers intuitive pitch and modulation control. Now you can play rapid trills, dynamic pitch bends, and finely-nuanced modulation—all from a single, easily-configured controller.
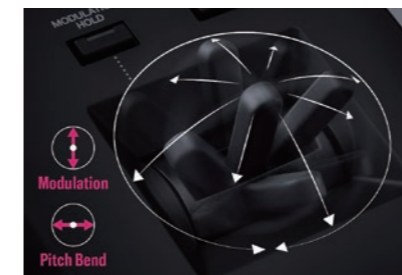
FSB Keyboard
The new FSB Keyboard offers remarkable playability thanks to its heavier initial key resistance and greater key travel. The refined keyboard structure, with an adjusted fulcrum, allows you to play comfortably even on the backs of the keys whilst upgraded components suppress horizontal key movement.

High Quality Output
The audio output of the PSR-SX has been completely overhauled with focus on delivering the highest quality sound from your keyboard. The new Digital Audio Converter (DAC) provides high quality defined sound across a wide frequency range, ensuring the PSR-SX always cuts through the mix.

Style Section Reset
When playing Styles, easily jump to the beginning of the bar by pressing the [RESET/TAP TEMPO] button. A valuable feature for accompanying singers or performing music with varying time signatures.

GET INSPIRATION WITH THE SOUND

Voices & Styles
The PSR-SX has a comprehensive and sonically stunning set of authentic Voices, and accompaniment and rhythmic backing patterns (called "Styles") covering a wide range of musical genres. These let you play more naturally and with greater expressiveness, and single-handedly recreate the sound of a full band or orchestra.
Check out the demo video!

▶ VOICE OVERVIEW

▶ STYLE OVERVIEW

Keyboard Parts
There are four keyboard parts for your performance: LEFT, RIGHT 1, RIGHT 2 and RIGHT 3, and each part has one Voice. You can combine these parts by using the PART ON/OFF buttons to create rich instrument textures and convenient performance combinations.

Styles
Accompaniment and rhythmic backing patterns (called "Styles") covering a wide range of musical genres, including pop, jazz, and many more, let you single-handedly recreate the sound of a full band or orchestra.

Multi Pads
The Multi Pads can be used to play a number of short pre-recorded rhythmic and melodic sequences and loops that allow you to add impact and variety to your keyboard performance.

Audio Link Multi Pad
Multi Pads not only work with MIDI data, but also allow you to create unique, new pad content with your own audio (WAV) data that can be triggered during your performance.


CONTROL YOUR MUSIC

Touch Screen/GUI
The 7" touch display and new graphic user interface provide instinctive control over the instrument's powerful features.

Style Assembly
Styles are made up of many instrument parts, such as drums, bass, guitar, piano etc. In Style Assembly it's easy to explore, audition and combine parts from any Style to create your own personal accompaniments.
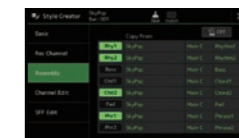
Playlist and Registration Memory
Playlist is the new convenient way to quickly set up the instrument. Organize Registration Memories into convenient Playlists for instant recall during performance. Playlist makes it easy to manage and call up your songs and the related settings, no matter how large your repertoire.

Assignable Function
While performing, you often need to act fast to access certain features. Choose from a range of functions to assign to one of six panel buttons, or to the Live Control knobs, pedals or the Home Shortcut menu, then instantly recall your desired function with a single touch.
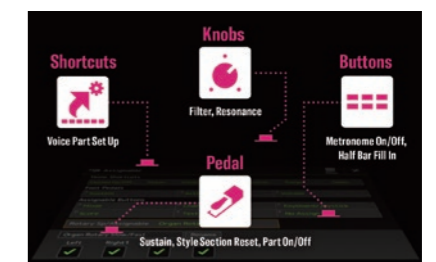
▶ CHECK OUT THE FEATURE DEMOS!

UNIQUE PSR-SX900 FEATURES

Expansive Soundfield Speakers

Polypropylene diaphragms with excellent response provides crisp, high-quality tone, while a new diaphragm structure delivers balanced sound throughout a broad listening area.

Sub Output

PSR-SX900 features two sub line-out connections that you can use to adapt your sound to various situations. Try routing bass through a separate subwoofer for a fuller, more powerful bottom end, or send parts and drum instruments to an external console to further shape your sound.

Vocal Harmony/Synth Vocoder

You can automatically apply various Vocal Harmony effects to your voice as you sing, or you can use the Synth Vocoder to graft the unique characteristics of your voice onto synthesizer and other sounds., for unusual machine-like or robotic effects, as well as unique choir sounds, which you can control through your own singing and playing.
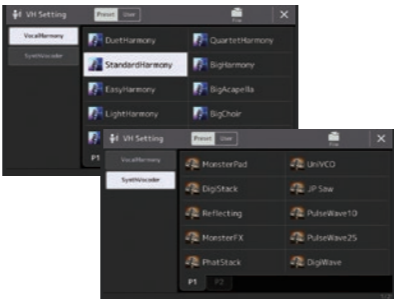
Chord Looper

Chord Looper lets you record a chord sequence and play it back, freeing your left hand from playing chords and providing new ways to enhance your performance. Since the chords play back in a loop, you don't need to repeat the chord pattern manually anymore—letting you focus on your performance and other operations.

▶ CHORD LOOPER

PSR-SX600

61 Keys | 850 Voices | 415 Styles | Color Display | Smart Chord | Unison & Accent | Rec'n'Share | USB Storage | AUX IN | PC Connectivity | AUDIO PLAY/REC | SONG PLAY/REC | Expansion Packs

Unison & Accent

The powerful Unison & Accent function gives you expressive and nuanced control over Style playback, letting you create various musical variations in the accompaniment. With the Unison function turned on, you can play a melody and have it reproduced in unison (i.e., the same melody is played by multiple instruments) or tutti (i.e., all parts are played at the same time)—expressively enhancing your performance and letting you create dynamic phrases. With the Accent function turned on, accents are automatically generated by adding notes to Style playback according to your playing strength (or accents you play). This allows you to temporary change or interrupt the regular rhythm patterns.

Live Controls

The two LIVE CONTROL knobs can be assigned to various different functions, letting you intuitively control your performance in real-time. For example, you can use the knobs to control the brightness (cutoff frequency) of the sound being played or to correct the tone or timbre of the sound with EQ — letting you easily add variations to the sound without interrupting your performance. You have total control over the performance for maximum creativity!

DSP Effect

DSP (Digital Signal Processor) features built into the PSR-SX600 provide high-quality effect types, such as real distortion and reverb. You can also apply the DSP effects independently to specified parts, such as guitar, allowing you to play the keyboard dynamically with a distorted guitar sound, or sound like you are playing in a concert hall.

Rec'n'Share
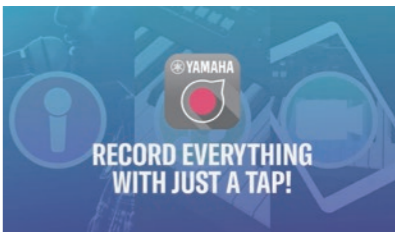
Rec'n'Share allows you to record audio and video along with songs from your music library and then share your performances with the world. It digitally enhances the way you practice, record and perform music.

THE INSTRUMENT THAT GROWS WITH YOU

PSR-A3000 is equipped with a Joystick for intuitive control of your performance and gives you real expressive sound. It also supports Yamaha Expansion Manager's Voice creation feature to make your own sounds and organise your content.

DIGITAL WORKSTATION
PSR-A3000

Oriental Voices and Drum kits inside

61 Keys | **1535** Voices | **400** Styles | **USB** Storage | **AUX** IN | **PC** Connectivity

MIDI Connectivity | **AUDIO** PLAY/REC | **SONG** PLAY/REC | **Expansion** Packs | **Color** Display

Expansion Content

Now you can make original Voices and Drum kits using Yamaha Expansion Manager and utilise 512MB of internal expansion memory! Simply prepare your own samples (.wav, .aif, .aiff, .sf2) and edit parameters on your computer using Yamaha Expansion Manager. You can create and share your original content with your friends!

You can pick the content from various Expansion Packs and form your original pack to install to your instrument. Yamaha Expansion Manager can be downloaded from the Yamaha website for free.
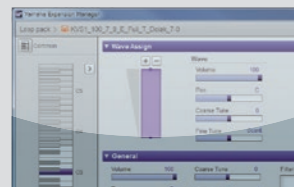
Voice/Drum kit edit

USB Audio & Audio Link Multi Pads

Whether you're enhancing a live performance with backing tracks from your music library, the time stretch, pitch shift, and vocal cancel of the USB audio player will add depth and versatility to any musical event. Audio Link Multi Pads let you link your own audio files (sound effects, vocal phrases, and so on), and trigger them from the pads as you perform.

Multi Pad

USB Audio Player

Drum Setup function

With Style Creator, you can edit various parameters of Drum Kits in detail, and you can merge your favourite "instrument" with various sounds from Drum Kits. Enjoy playing Styles with your unique kits!

Drum Setup display

Super Articulation Oriental Voices and Mono Legato function

New Oriental Super Articulation Voices will reproduce a real instrument's unique characteristics such as vibrato, tremolo, and many other. Even for non-Super Articulation Voices, there is new feature: "Mono Legato" that allows you to play trill phrase without using joystick, perfectly matched with Oriental string instruments! For all Voices, Scale Setting Buttons support any type of tuning.

*Scale Tuning and Scale Setting Buttons*

Joystick and Live Controls

PSR-A3000 is equipped with a joystick which gives intuitive control of pitch and modulation. Now you can play with rapid trills, dynamic pitch bends, and finely-nuanced modulation, all from a single, easily-configured controller. Not only essential "Pitch Bend" and "Modulation" parameters, but also other settings, such as Filter, Track-Mute, and more can be assigned and changed in an instant. This feature will add another level to your performance. Add a unique flavour to your performance!
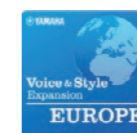
Joystick with assignable function

Colour Display

For simple intuitive control of the powerful features and capabilities of this advanced keyboard, PSR-A3000 comes equipped with a large color LCD that allows you to monitor the status of your instrument at a glance, and gives you easy access to valuable performance functions.
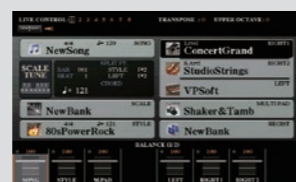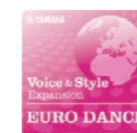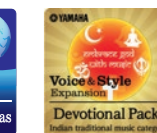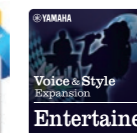

Voice & Style Expansion

Our world is getting smaller all the time. However, for PSR-SX and PSR-A3000, the musical world is expanding! Thanks to Yamaha's Voice & Style Expansion Packs, you can take advantage of a wide and ever-increasing selection of regional, ethnic and traditional Voices and Styles. Load them into the instrument and instantly play authentic sounds, rhythms and backings in the musical style of your choice!

EUROPE "Best Of" Collection
Essentials from the 4 Packs Celtic, Latin, Balkan & Oriental.

MEXICO
You will enjoy playing traditional rhythms like Mariachi, Norteno or Corrido, in addition to Latin rhythms as Mambo, Son Cubano, Merengue and Bachata.

EURO DANCE
From very latest DubStep or Electro beats to House and HipHop grooves.

SOUTH EAST EUROPE *Cumbia* *Entertainer* *INDONESIAN3* *Church & Christmas* *Devotional Pack 1*

*Specifications and appearance are subject to change without notice

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Yamaha
Expansion Manager

Using a computer, Yamaha Expansion Manager expands the versatility of the instrument and is compatible with PSR-SX.

Tutorial Video on YouTube

Watch and Learn what Yamaha Expansion Manager can do!

Data Management

Have you ever wanted to install more than one Expansion Pack to your instrument at the same time? With Yamaha Expansion Manager, you can manage Voice, Style, Registration, and other contents, select your favourites and create a custom pack.

Organise Your Content

Firstly, import your favourite Pack Project files (.ppf file). Select Voices, Styles, and other data. Combine data from various packs and create a personal Pack Installation file (.ppi file). Install the Pack Installation file to your instrument via USB flash memory.

Voice Creation

Import your own recorded sample data (.wav, .aif, .aiff) or SoundFonts (.sf2).Build your own Voices by controlling various detailed parameters of the sound and create your unique Voice Pack! Using Yamaha Expansion Manager, you can import REX loop file, and use it as Multi Pad or Style performance.

EXCELLENT BASS FOR MUSIC PERFORMANCE

This compact subwoofer for keyboard instruments incorporates a number of advanced, high-performance bass technologies exclusive to Yamaha, including a Twisted Flare Port and Advanced YST II (Yamaha Active Servo Technology II). This results in sensationally clear bass response, and adds so much to your musical experience whether you're performing or listening.

KS-SW100

TWISTED FLARE PORT

Advanced Y·S·T

Subwoofer for keyboard instruments

- 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

Yamaha MusicSoft

Thanks to Yamaha's new Voice & Style Expansion Packs for the PSR, players can take advantage of a wide selection of regional, ethnic and traditional Voices and Styles. Load them to your PSR and instantly play authentic sounds, rhythm and backing in the musical style of your choice!

https://www.yamahamusicsoft.com/

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

Key Features List

61 Keys — Number of Keys — Indicates how many keys the keyboard of a specific model possesses.

930 Voices — Number of Voices — Indicates the number of instrument Voices.

230 Styles — Number of Styles — Indicates how many Styles of music you can call on to accompany your performance.

USB Storage — Indicates that the model has a "USB TO DEVICE" terminal, allowing you to save your data using USB media.

AUX IN — Indicates that the model has "AUX-IN" connection so that you can connect a Music Player and play along.

PC Connectivity — Indicates that the model has a "USB TO HOST" terminal, allowing you to transfer music data to and from your PC.

AUDIO PLAY/REC — The model's USB Audio function allows you to play back WAV files (WAV and MP3 for PSR-SX900, PSR-SX700 and PSR-A3000) from a USB flash memory device and save your songs in WAV format for transfer to a PC to share with friends or create CDs.

MIDI Connectivity — Indicates that the model has MIDI.

Touch Display — Indicates that the model has Touch screen.

Smart Chord — Indicates that the model has the Smart Chord function.

Rec'n'Share — Indicates that the model has the Rec'n'Share function.

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.

Mic/Guitar Input — Indicates that the model has Microphone or Guitar input so you can connect these to your instrument.

Color Display — Indicates that the model has colour display.

Vocal Harmony 2 — Indicates that the model has the Vocal Harmony 2 function.

Synth Vocoder — Indicates that the model has a Synth Vocoder.

Audio Style — Indicates that the model has Audio Styles.

SUB OUT — Indicates that the model has SUB OUTPUT to adapt your sound to various situations.

Chord Looper — Indicates that the model has the Chord Looper function.

Unison & Accent — Indicates that the model has the Unison & Accent function.

Specifications

	Models	PSR-SX900	PSR-SX700	PSR-SX600	PSR-A3000
Size and Weight	Dimensions [W x D x H]	1,017 x 431 x 139 mm	1,017 x 431 x 139 mm	1,004 x 410 x 134 mm	1,002 x 437 x 148 mm
	Weight	11.5 kg	11.5 kg	8.1 kg	11.2 kg
Color/Finish	Body Color	Black	Black	Black	Black and Metallic Dark Gray
Interface	Keyboard — Number of Keys	61	61	61	61
	Keyboard — Type	Organ (FSB), Initial Touch	Organ (FSB), Initial Touch	Organ, Initial Touch	Organ
	Keyboard — Touch Response	Normal, Soft1, Soft2, Hard1, Hard2	Normal, Soft1, Soft2, Hard1, Hard2	Normal, Soft1, Soft2, Hard1, Hard2	Hard1, Hard2, Medium, Soft1, Soft2
	Controllers — Pitch Bend Wheel	-	-	Yes	-
	Controllers — Modulation Wheel	-	-	Yes	-
	Controllers — Joystick	Yes	Yes	-	Yes (Assignable)
	Controllers — Multi Pads	Yes (with Audio Link)	Yes (with Audio Link)	Yes (with Audio Link)	Yes
	Controllers — Knobs	2 (Assignable)	2 (Assignable)	-	2 (Assignable)
	Display — Type/Size	7 inch TFT Color Wide VGA LCD (Touch Screen)	7 inch TFT Color Wide VGA LCD (Touch Screen)	4.3 inch TFT Color WQVGA LCD	7 inch TFT Color Wide VGA LCD
	Display — Language	English, German, French, Spanish, Italian	English, German, French, Spanish, Italian	English, German, French, Spanish, Italian, Japanese	English, German, French, Spanish, Italian
	Panel Language	English	English	English	English
Voices	Tone Generation — Tone Generating Technology	AWM Stereo Sampling	AWM Stereo Sampling	AWM Stereo Sampling	AWM Stereo Sampling
	Polyphony — Number of Polyphony (Max.)	128	128	128	128
	Preset — Number of Voices	1337 Voices + 56 Drum/SFX Kits	986 Voices + 41 Drum/SFX Kits + 480 XG Voices	850 Voices + 43 Drum/SFX Kits + 480 XG Voices	997 Voices + 58 Drum/SFX Kits + 480 XG Voices
	Expandability — Expansion Voice	Yes (approx. 1 GB)	Yes (approx. 100 MB)	Yes (approx. 400 MB)	Yes (approx. 512 MB)
	Compatibility	XG (for Song playback), GS (for Song playback), GM, GM2	XG (for Song playback), GS (for Song playback), GM, GM2	XG (for Song playback), GS (for Song playback), GM, GM2	XG, GS (for Song playback), GM, GM2
	Part	Right 1, Right 2, Right 3, Left	Right 1, Right 2, Right 3, Left	Right 1, Right 2, Left	Right 1, Right 2, Left
Effects	Reverb	59 Preset + 30 User	59 Preset + 30 User	52 Preset + 30 User	52 Presets + 3 User
	Chorus	106 Preset + 30 User	106 Preset + 30 User	106 Preset + 30 User	106 Presets + 3 User
	DSP	322 Presets (with VCM) + 30 User	322 Presets + 30 User	295 Presets + 30 User	295 Presets + 10 User
	Insertion Effect	1-8: 322 Preset (with VCM) + 30 User	1-5: 322 Preset + 30 User	-	-
	Master Compressor	5 Preset + 30 User	5 Preset + 30 User	5 Preset + 30 User	5 Presets + 5 User
	Master EQ	5 Preset + 30 User	5 Preset + 30 User	5 Preset + 30 User	5 Presets + 2 User
	Part EQ	28 Parts	28 Parts	27 Parts	27 parts
	Vocal Harmony — Number of Presets	Vocal Harmony: 54, Synth Vocoder: 20	-	-	-
	Vocal Harmony — Number of User Settings	Total 60	-	-	-
Styles	Preset — Number of Preset Styles	525	400	415	400
	Preset — Featured Styles	463 Pro, 46 Session, 6 Free Play, 10 DJ	353 Pro, 34 Session, 3 Free Play, 10 DJ	372 Pro Styles, 32 Session Styles, 10 DJ Styles, 1 Free Play	380 Pro, 10 Session, 10 DJ
	Fingering	Single Finger, Fingered, Fingered On Bass, Multi Finger, AI Fingered, Full Keyboard, AI Full Keyboard	Single Finger, Fingered, Fingered On Bass, Multi Finger, AI Fingered, Full Keyboard, AI Full Keyboard	Single Finger, Fingered, Fingered On Bass, Multi Finger, AI Fingered, Full Keyboard, Smart Chord	Single Finger, Fingered, Fingered On Bass, Multi Finger, AI Fingered, Full Keyboard, AI Full Keyboard
	Style Control	INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3	INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3	INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3	INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3
	Compatibility	Style File Format (SFF), Style File Format GE (SFF GE)	Style File Format (SFF), Style File Format GE (SFF GE)	Style File Format (SFF), Style File Format GE (SFF GE)	Style File Format (SFF), Style File Format GE (SFF GE)
	Expandability — Expansion Style	Yes	Yes	Yes	Yes
	Other Features — Music Finder (Max.)	-	-	-	1,200
	Other Features — One Touch Setting (OTS)	4 for each Style	4 for each Style	4 for each Style	4 for each Style
	Other Features — Chord Looper	Yes	-	-	-
	Other Features — Style Section Reset	Yes	Yes	Yes	-
	Other Features — Unison & Accent	-	-	Yes	-
Songs (MIDI)	Preset — Number of Preset Songs	5 preset sample Songs	5 preset sample Songs	3 preset sample Songs	4 preset sample Songs
	Recording — Number of Tracks	16	16	16	16
	Recording — Data Capacity	approx. 3 MB/Song	approx. 3 MB/Song	approx. 1 MB/Song	approx. 300 KB/Song
	Recording — Recording Function	Quick Recording, Multi Track Recording, Step Recording	Quick Recording, Multi Track Recording, Step Recording	Quick Recording, Multi Track Recording	Quick Recording, Multi Recording, Step Recording
	Data Format — Playback	SMF (Format 0 & 1), XF	SMF (Format 0 & 1), XF	SMF (Format 0 & 1), XF	SMF (Format 0 & 1), XF
	Data Format — Recording	SMF (Format 0)	SMF (Format 0)	SMF (Format 0)	SMF (Format 0)
Functions	Voices — Harmony/Echo	Yes	Yes	Yes	Yes
	Voices — Panel Sustain	Yes	Yes	Yes	Yes
	Voices — Mono/Poly	Yes	Yes	Yes	Yes
	Voices — Arpeggio	Yes	Yes	Yes	Yes
	Styles — Style Creator	Yes	Yes	Yes	Yes
	Songs — Song Creator	-	-	Yes	Yes
	Songs — Score Display Function	Yes	Yes	Yes	Yes
	Songs — Lyrics Display Function	Yes	Yes	Yes	Yes
	Songs — Text Display Function	Yes	Yes	Yes	Yes
	Songs — Wallpaper Customization	Yes	Yes	-	-
	Songs — Lesson/Guide	Follow Lights, Any Key, Karao-Key, Your Tempo	Follow Lights, Any Key, Karao-Key, Your Tempo	Follow Lights, Any Key, Karao-Key, Your Tempo	Follow Lights, Any Key, Karao-Key, Your Tempo
	Multi Pads — Multi Pad Creator	Yes	Yes	Yes	Yes
	Registration Memory — Number of Buttons	8	8	8	8
	Registration Memory — Control	Registration Sequence, Freeze	Registration Sequence, Freeze	Registration Sequence, Freeze	Registration Sequence, Freeze
	Playlist — Number of Records	2,500 (max.) Records per Playlist file	2,500 (max.) Records per Playlist file	500 (max.) Records per Playlist file	-
	Audio Recorder/Player — Recording Time (Max.)	80 minutes/Song	80 minutes/Song	80 minutes/Song	80 minutes/Song
	Audio Recorder/Player — Recording	WAV (44.1 kHz, 16 bit, stereo), MP3 (44.1 kHz, 128/256/320 kbps, mono/stereo)	WAV (44.1 kHz, 16 bit, stereo), MP3 (44.1 kHz, 128/256/320 kbps, mono/stereo)	*Only on USB WAV (44.1 kHz, 16 bit, stereo)	WAV (44.1kHz, 16bit, stereo)
	Audio Recorder/Player — Playback	WAV (44.1 kHz, 16 bit, stereo), MP3 (44.1/48.0 kHz, 64-320 kbps and variable bit rate, mono/stereo)	WAV (44.1 kHz, 16 bit, stereo), MP3 (44.1/48.0 kHz, 64-320 kbps and variable bit rate, mono/stereo)	*Only on USB WAV (44.1 kHz, 16 bit, stereo)	WAV (44.1kHz, 16bit, stereo), MP3 (44.1/48.0 kHz, 64–320 kbps and variable bit rate, mono/stereo)
	Overall Controls — Metronome	Yes	Yes	Yes	Yes
	Overall Controls — Tempo Range	5 – 500, Tap Tempo	5 – 500, Tap Tempo	5 - 500, Tap Tempo	5 - 500
	Overall Controls — Transpose	-12 – 0 – +12	-12 – 0 – +12	-12 – 0 – +12	-12 - 0 - +12
	Overall Controls — Tuning	414.8 – 440 – 466.8 Hz	414.8 – 440 – 466.8 Hz	414.8 – 440.0 – 466.8 Hz	414.8 - 440.0 - 466.8 Hz
	Overall Controls — Octave Button	Yes	Yes	Yes	Yes
	Overall Controls — Scale Type	9 Types	9 Types	9 Types	9 Types, Scale Tuner buttons, Scale Memory
	Bluetooth	Yes (Audio) *May not have this functionality depending on the country	-	-	-
	Miscellaneous — Direct Access	Yes	Yes	Yes	Yes
Storage	Internal Memory	approx. 4 GB	approx. 1 GB	approx. 20 MB	approx. 13 MB
	External Drives	USB Flash Drive	USB Flash Drive	USB Flash Drive	USB Flash Drive
Connections	Headphones	Standard stereo phone jack	Standard stereo phone jack	Standard stereo phone jack	Standard stereo phone jack
	Microphone	Yes	Yes	Yes	-
	MIDI	IN/OUT	IN/OUT	-	IN/OUT
	AUX IN	Stereo mini jack	Stereo mini jack	Stereo mini jack	Stereo mini jack
	LINE OUT	MAIN OUTPUT (L/L+R, R), SUB (AUX) OUTPUT (1,2 (L/L+R, R))	MAIN OUTPUT (L/L+R, R)	MAIN OUTPUT (L/L+R, R)	MAIN OUTPUT (L/L+R, R)
	Display Outputput to External Monitor	Yes (by using a commercially available USB display adaptor) *For a list of compatible devices, access the "Yamaha Downloads" website.	-	-	-
	FOOT PEDAL	1 (SUSTAIN), 2 (ARTICULATION 1), Function Assignable	1 (SUSTAIN), 2 (ARTICULATION 1), Function Assignable	1 (SUSTAIN), 2 (UNISON), Function Assignable	1 (SUSTAIN), 2 (ARTICULATION 1), Function Assignable
	USB TO DEVICE	Yes (x 2)	Yes	Yes	Yes
	USB TO HOST	Yes	Yes	Yes	Yes
Amplifiers and Speakers	Amplifiers	(15 W + 10 W) x 2	15 W x 2	15 W x 2	15 W x 2
	Speakers	13 cm x 2 + 2.5 cm (dome) x 2	13 cm x 2 + 5 cm x 2	12 cm x 2	(13 cm + 5 cm) x 2

* Specifications and appearance are subject to change without notice