

# ARRANGER WORKSTATIONS



2021

PSR-SX900  
PSR-SX700  
PSR-SX600  
PSR-A5000

# 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-SX9000



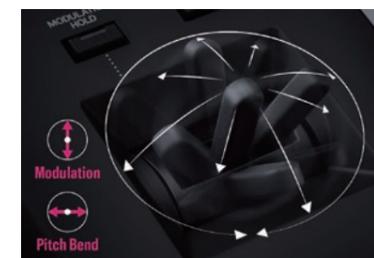
## PSR-SX7000



## 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

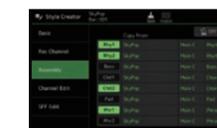
### Touch Screen/GUI

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.



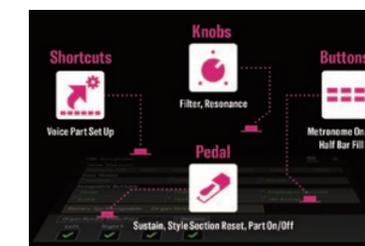
### Playlist and Registration Memory

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.



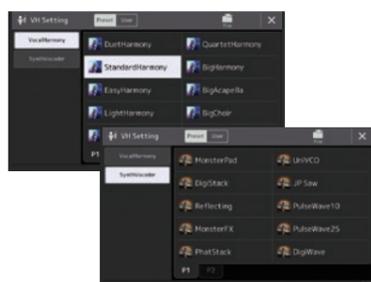
## Sub Output

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.



# PSR-SX600



## 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

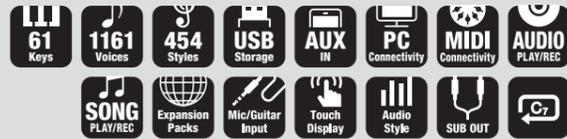
and then share your performances with the world. It digitally enhances the way you practice, record and perform music.



# MAKE YOUR SOUND ICONIC

Perform and produce with an ultimate gear designed specially for oriental players.

## DIGITAL WORKSTATION PSR-A5000



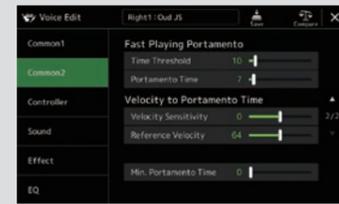
### Perform with Iconic Oriental Instruments

Make your performances of traditional and modern oriental music more powerful with newly sampled instruments and 210 fresh Styles. Oud, Qanoon, Nay, and many other Voices sound incredibly realistic thanks to new velocity-sensitive portamento, Super Articulation! Voices, and dedicated oriental instrument waveforms that are 10 times larger than in previous model.



### New Portamento

Newly added Crossfade Portamento with velocity and time related parameters. Transition speed and velocity of following notes are editable, allowing smooth, expressive transitions between successive notes.



### Istanbul Strings

Istanbul Strings are one of the most popular strings section in Turkey. Their sound has been recorded innumerable times and can be found on many current music productions, not only in Turkey but also on international records. PSR-A5000 offers Istanbul Strings samples for the first time in Arranger workstation.



### Drums and Percussion

Expanded drum kit functionality allows you to play 128 mapped instruments from a single kit. Great care has been taken with drum mapping to provide an optimized, intuitive layout for oriental finger drumming on a keyboard. Thanks to newly added key-off notes, drums and percussion Voices sound very natural and make performance and programming easier. Revol SFX kits provide more natural drum rolls and enhanced expressiveness.



### New Styles

210 new oriental Styles with richer sound dynamics and more power than ever before. Choose Styles from a variety of genres, such as Khaleeji (36 Styles) Shami (35 Styles), Masri (15 Styles), Maghrebi (50 Styles), Persian (43 Styles), and Turkish (31 Styles). Style Section Time Signatures let you use a range of time signatures within a single Style, which means that you can combine different musical parts. With the Style Section Reset function, you can rewind the



rhythm of the Style to beat 1 immediately. This is also helpful when you need to quickly synchronize your performance on stage. Style content is categorized to be convenient for players of oriental music.

### 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, which lets you focus on your performance and other operations.



## Voice & Style Expansion

Our world is getting smaller all the time. However, for PSR-SX and PSR-A5000, 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!



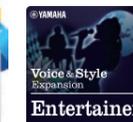
**EUROPE "Best Of" Collection**  
Essentials from the 4 Packs Celtic, Latin, Balkan & Oriental.



**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.



\*Specifications and appearance are subject to change without notice

## Yamaha Expansion Manager

Using a computer, Yamaha Expansion Manager expands the versatility of the instrument and is compatible with PSR-SX and PSR-A5000.

### 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.

### 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.



### 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.

# 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

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



## Key Features List

|  |                            |  |
|--|----------------------------|--|
|  | <b>Number of Keys</b>      | Indicates how many keys the keyboard of a specific model possesses.  |
|  | <b>Number of Voices</b>    | Indicates the number of instrument Voices.   |
|  | <b>Number of Styles</b>    | Indicates how many Styles of music you can call on to accompany your performance.  |
|  | <b>USB Storage</b>         | Indicates that the model has a "USB TO DEVICE" terminal, allowing you to save your data using USB media.   |
|  | <b>AUX IN</b>              | Indicates that the model has "AUX-IN" connection so that you can connect a Music Player and play along.  |
|  | <b>PC Connectivity</b>     | Indicates that the model has a "USB TO HOST" terminal, allowing you to transfer music data to and from your PC.  |
|  | <b>AUDIO PLAY/REC</b>      | 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. |
|  | <b>MIDI Connectivity</b>   | Indicates that the model has MIDI.   |
|  | <b>Touch Display</b>       | Indicates that the model has Touch screen.   |
|  | <b>Smart Chord</b>         | Indicates that the model has the Smart Chord function.   |
|  | <b>Rec'n'Share</b>         | Indicates that the model has the Rec'n'Share function.   |
|  | <b>SONG PLAY/REC</b>       | 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.   |
|  | <b>Expansion Packs</b>     | Indicates that you can add and enjoy packs of specific Voices and Styles of music.   |
|  | <b>Mic/Guitar Input</b>    | Indicates that the model has Microphone or Guitar input so you can connect these to your instrument.   |
|  | <b>Color Display</b>       | Indicates that the model has colour display.   |
|  | <b>Vocal Harmony 2</b>     | Indicates that the model has the Vocal Harmony 2 function.   |
|  | <b>Synth Vocoder</b>       | Indicates that the model has a Synth Vocoder.  |
|  | <b>Audio Style</b>         | Indicates that the model has Audio Styles.   |
|  | <b>SUB OUT</b>             | Indicates that the model has SUB OUTPUT to adapt your sound to various situations.   |
|  | <b>Chord Looper</b>        | Indicates that the model has the Chord Looper function.  |
|  | <b>Unison &amp; Accent</b> | Indicates that the model has the Unison & Accent function.   |

## Specifications

| Models                  |                                    | PSR-SX900  | PSR-SX700   | PSR-SX600  | PSR-A5000   |  |
|-------------------------|------------------------------------|--|---|--|---|--|
| 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   | 1,017 x 431 x 139 mm  |  |
|                         | Weight                             | 11.5 kg  | 11.5 kg   | 8.1 kg   | 11.5 kg   |  |
| Color/Finish            | Body                               | Black  | Black   | Black  | Black   |  |
|                         | Color                              | Black  | Black   | Black  | Black   |  |
| Interface               | Keyboard                           | Number of Keys   | 61  | 61   | 61  | 61                                     |
|                         |                                    | Type   | Organ (FSB), Initial Touch  | Organ (FSB), Initial Touch   | Organ, Initial Touch  | Organ (FSB), Initial Touch             |
|                         | Touch Response                     | Normal, Soft1, Soft2, Hard1, Hard2   | Normal, Soft1, Soft2, Hard1, Hard2  | Normal, Soft1, Soft2, Hard1, Hard2   | Normal, Soft1, Soft2, Hard1, Hard2  |  |
|                         | Pitch Bend Wheel                   | -  | -   | Yes  | -   |  |
|                         | Modulation Wheel                   | -  | -   | Yes  | -   |  |
|                         | Joystick                           | Yes  | Yes   | -  | Yes   |  |
|                         | Controllers                        | Multi Pads   | Yes (with Audio Link)   | Yes (with Audio Link)  | Yes (with Audio Link)   | Yes (with Audio Link)                  |
|                         |                                    | Knobs  | 2 (Assignable)  | 2 (Assignable)   | 2 (Assignable)  | 2 (Assignable)                         |
|                         |                                    | Scale Tune Memory Buttons  | -   | -  | -   | 5                                      |
|                         |                                    | Scale Tune Setting Buttons   | -   | -  | -   | Yes                                    |
| 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 (Touch Screen)  |  |
|                         | 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   |  |
|                         | Tone Generation                    | AWM Stereo Sampling  | AWM Stereo Sampling   | AWM Stereo Sampling  | AWM Stereo Sampling   |  |
| Voices                  | Polyphony                          | 128  | 128   | 128  | 128   |  |
|                         | Number of Polyphony (Max.)         | 128  | 128   | 128  | 128   |  |
|                         | Preset                             | 1337 Voices + 56 Drum/SFX Kits   | 986 Voices + 41 Drum/SFX Kits + 480 XG Voices   | 850 Voices + 43 Drum/SFX Kits + 480 XG Voices  | 1,161 Voices + 86 Drum/SFX Kits + 480 XG Voices   |  |
|                         | Expandability                      | Yes (approx. 1 GB)   | Yes (approx. 400 MB)  | Yes (approx. 100 MB)   | Yes (approx. 1 GB)  |  |
|                         | 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 (for Song playback), GS (for Song playback), GM, GM2   |  |
| Effects                 | Part                               | Right 1, Right 2, Right 3, Left  | Right 1, Right 2, Right 3, Left   | Right 1, Right 2, Left   | Right 1, Right 2, Right 3, Left   |  |
|                         | Reverb                             | 59 Preset + 30 User  | 59 Preset + 30 User   | 52 Preset + 30 User  | 59 Preset + 30 User   |  |
|                         | Chorus                             | 106 Preset + 30 User   | 106 Preset + 30 User  | 106 Preset + 30 User   | 106 Preset + 30 User  |  |
|                         | DSP                                | 322 Presets (with VCM) + 30 User   | 322 Presets + 30 User   | 295 Presets + 30 User  | 322 Presets (with VCM) + 30 User  |  |
|                         | Insertion Effect                   | 1-8: 322 Preset (with VCM) + 30 User   | 1-5: 322 Preset + 30 User   | -  | 1-8: 322 Preset (with VCM) + 30 User  |  |
|                         | Master Compressor                  | 5 Preset + 30 User   | 5 Preset + 30 User  | 5 Preset + 30 User   | 5 Preset + 30 User  |  |
|                         | Master EQ                          | 5 Preset + 30 User   | 5 Preset + 30 User  | 5 Preset + 30 User   | 5 Preset + 30 User  |  |
|                         | Part EQ                            | 28 Parts   | 28 Parts  | 27 Parts   | 28 Parts  |  |
|                         | Vocal Harmony                      | Number of Presets  | Vocal Harmony: 54, Synth Vocoder: 20  | -  | -   | -                                      |
|                         |                                    | Number of User Settings  | Total 60  | -  | -   | -                                      |
| Styles                  | Preset                             | 525  | 400   | 415  | 454 (including 260 Oriental Styles)   |  |
|                         | Number of Preset Styles            | 525  | 400   | 415  | 454 (including 260 Oriental Styles)   |  |
|                         | 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   | 429 Pro Styles, 15 Session Styles, 10 DJ Styles   |  |
|                         | 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, AI 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                      | Yes  | Yes   | Yes  | Yes   |  |
|                         | Other Features                     | Expansion Style  | Yes   | Yes  | Yes   | Yes                                    |
|                         |                                    | One Touch Setting (OTS)  | 4 for each Style  | 4 for each Style   | 4 for each Style  | 4 for each Style                       |
|                         |                                    | Chord Looper   | Yes   | -  | -   | Yes                                    |
| Style Section Reset     |                                    | Yes  | Yes   | -  | Yes   |  |
| Songs (MIDI)            | Unison & Accent                    | -  | -   | Yes  | -   |  |
|                         | Preset                             | 5 preset sample Songs  | 5 preset sample Songs   | 3 preset sample Songs  | 3 preset sample Songs   |  |
|                         | Number of Preset Songs             | 5  | 5   | 3  | 3   |  |
|                         | Recording                          | 16   | 16  | 16   | 16  |  |
|                         | Data Capacity                      | approx. 3 MB/Song  | approx. 3 MB/Song   | approx. 1 MB/Song  | approx. 3 MB/Song   |  |
|                         | Recording Function                 | Quick Recording, Multi Track Recording, Step Recording   | Quick Recording, Multi Track Recording, Step Recording  | Quick Recording, Multi Track Recording   | Quick Recording, Multi Track Recording, Step Recording  |  |
|                         | 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)  |  |
|                         | Harmony/Arpeggio                   | Yes  | Yes   | Yes  | Yes   |  |
|                         | Functions                          | Voices   | Panel Sustain   | Yes  | Yes   | Yes                                    |
| Mono/Poly               |                                    | Yes  | Yes   | Yes  | Yes   |  |
| Styles                  |                                    | Style Creator  | Yes   | Yes  | Yes   |  |
| Song Creator            |                                    | -  | -   | Yes  | -   |  |
| Songs                   |                                    | Score Display Function   | Yes   | Yes  | Yes   |  |
| Lyrics Display Function |                                    | Yes  | Yes   | Yes  | Yes   |  |
| Text Display Function   |                                    | Yes  | Yes   | Yes  | Yes   |  |
| Wallpaper Customization |                                    | Yes  | Yes   | -  | Yes   |  |
| 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   |  |
| Overall Controls        | Registration Memory                | Number of Buttons  | 8   | 8  | 8   |  |
|                         | 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  | 2,500 (max.) Records per Playlist file |
|                         | Recording Time (Max.)              | 80 minutes/Song  | 80 minutes/Song   | 80 minutes/Song  | 80 minutes/Song   |  |
|                         | 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 (44.1 kHz, 16 bit, stereo), MP3 (44.1 kHz, 128/256/320 kbps, mono/stereo)                         |  |
|                         | 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 (44.1 kHz, 16 bit, stereo), MP3 (44.1/48.0 kHz, 64-320 kbps and variable bit rate, mono/stereo)   |  |
|                         | Metronome                          | Yes  | Yes   | Yes  | Yes   |  |
|                         | Tempo Range                        | 5 - 500, Tap Tempo   | 5 - 500, Tap Tempo  | 5 - 500, Tap Tempo   | 5 - 500, Tap Tempo  |  |
|                         | Transpose                          | -12 - 0 - +12  | -12 - 0 - +12   | -12 - 0 - +12  | -12 - 0 - +12   |  |
|                         | Tuning                             | 414.8 - 440 - 466.8 Hz   | 414.8 - 440 - 466.8 Hz  | 414.8 - 440 - 466.8 Hz   | 414.8 - 440 - 466.8 Hz  |  |
| Storage                 | Octave Button                      | Yes  | Yes   | Yes  | Yes (-3 - 0 - +3)   |  |
|                         | Scale Type                         | 9 Types  | 9 Types   | 9 Types  | 12 Types  |  |
|                         | Bluetooth                          | Yes (Audio)<br>*May not have this functionality depending on the country   | -   | -  | -   |  |
|                         | Miscellaneous                      | Direct Access  | Yes   | Yes  | Yes   |  |
|                         | Internal Memory                    | approx. 4 GB   | approx. 1 GB  | approx. 20 MB  | approx. 2 GB  |  |
|                         | External Drives                    | USB Flash Drive  | USB Flash Drive   | USB Flash Drive  | USB Flash Drive   |  |
|                         | Headphones                         | Standard stereo phone jack   | Standard stereo phone jack  | Standard stereo phone jack   | Standard stereo phone jack  |  |
|                         | Microphone                         | Yes  | Yes   | Yes  | Yes   |  |
|                         | MIDI                               | IN/OUT   | IN/OUT  | -  | IN/OUT  |  |
|                         | AUX IN                             | Stereo mini jack   | Stereo mini jack  | Stereo mini jack   | Stereo mini jack  |  |
| Connections             | 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), SUB (AUX) OUTPUT (1,2 (L/L+R, R))   |  |
|                         | Display Output to External Monitor | Yes (by using a commercially available USB display adaptor)<br>*For a list of compatible devices, access the "Yamaha Downloads" website. | -   | -  | -   |  |
|                         | FOOT PEDAL                         | 2 (Assignable)   | 2 (Assignable)  | 2 (Assignable)   | 2 (Assignable)  |  |
| Amplifiers and Speakers | USB TO DEVICE                      | Yes (x 2)  | Yes   | Yes  | Yes (x 2)   |  |
|                         | USB TO HOST                        | Yes  | Yes   | Yes  | Yes   |  |
|                         | 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 x 2 + 5 cm x 2   |   |  |

\*Specifications and appearance are subject to change without notice