Specifications

		Tyros3	PSR-S900	PSR-S700	PSR-S550/PSR-S550B
Keyboard	Keys	61	61	61	61
	Aftertouch	Yes	No	No	No
	Type	Organ (FSX)	Organ	Organ	Organ
Voice	Polyphony	128	128	96	64
	Layer	R1/R2/R3/L	R1/R2/L	R1/R2/L	R1/R2/L
	Split	Yes	Yes	Yes	Yes
	Voices	749 Voices + 20 Organ Flutes + 480 XG Voices + 256 GM2 Voice + 35 Drum/SFX kits (And GS Voices for GS Song playback)	392 Voices + 19 Drum/SFX kits + 480 XG Voices + GM2 + GS (for GS Song Playback)	317Voices + 16 Drum/SFX kits + 480 XG Voices + GM2 + GS (for GS Song Playback)	294 Voices + 22 Drum/SFX Kits + 480 XG Voices (includes 11 Regional Voices + 8 Regional Drum/Percussion Kits)
	Mega Voice	23	15	10	0
	Super Articulation 2 Voice (AEM TG technology)	JazzTrumpet / ClassicTrumpet / JazzSax / BreathySax / Clarinet / BalladClarinet / RomanceClarinet /IrishPipeAir / IrishPipeDance / Harmonica / BluesHarp	No	No	No
	Super Articulation Voice	53	23	0	0
	Sweet! Voice	26	22	11	11
	Cool! Voice	58	26	18	16
	Live! Voice	70	20	14	13
	Organ Flutes!	New Sound 20 Preset	Yes	Yes	No
Voice Expansion	Wave Addition	Normal Voice/Drum Voice	No	No	No
	Premium Voice Expansion	Yes (DIMM Memory: OPTIONAL)	No	No	No
Style	Styles	450	305	205	176 Styles Includes: Arabic x 4, Indian x 2, Chinese x 2, Mexican x 2, Latin x 3, Brazilian x 1
	SFF GE	Yes (with additional 2 DSP Blocks)	No	No	No
	Section	Intro/Ending x 3, Main x 4, Fill In x 4/Break	Intro/Ending x 3, Main x 4, Fill In/Break	Intro/Ending x 3, Main x 4, Fill In/Break	Intro/Ending x 3, Main x 4, Fill In
	Fingering	Single, Fingered, OnBass, Multi, AI Fingered, Full / AI Full	Single, Fingered, OnBass, Multi, AI Fingered, Full / AI Full	Single, Fingered, OnBass, Multi, AI Fingered, Full / AI Full	Multi, Full Keyboard
	Style Creator	Yes	Yes	Yes	Yes
OTS		4 for each style	4 for each style	4 for each style	4 for each style
Music Finder		Yes	Yes	Yes	No (Music Database)
Song	Preset	5	5	5	9 Includes: Latin, Arabic, Indian and Chinese
	Recording	Quick/Multi/Step	Quick/Multi/Step	Quick/Multi/Step	Quick/Multi
	Rec. Tracks	16	16	16	16
	Lyric Display	Yes	Yes	Yes	Yes
	Score Display	Yes	Yes	Yes	Yes
	Song Position Jump	4 points / Loop	No	No	No
Data Compatibility		GM, XG, XF, SFF, SFF GE, GM2/GS (for Song Playback)	GM/XG/XF, SFF, GM2, GS (for GS Song Playback)	GM/XG/XF, SFF, GM2, GS (for GS Song Playback)	XG/GM/XF, SFF
Hard Disk Recorder		Play: 2 Stereo Track / REC: 1 Stereo Track	No	No	No
USB Audio Recorder (WAV)		No	Yes	No	No
Multi Pad	Preset	Yes	Yes	Yes	No
	Sync. Start	Yes	No	No	No
Vocal Harmony		60 Preset + 10 User	Yes	No	No
Mic Input		Yes	Yes	No	No
Effect	Reverb	42	34	34	35
	Chorus	106	29	29	44
	DSP1	272	191	191	237
	DSP2-4	272	106	106	No
	DSP5-7	272	No	No	No
	DSP8-9	272 (for Style)	No	No	No
	Master Compressor	Yes (I/F arranged)	No	No	No
	Master Equalizer	Yes	Yes	Yes	Yes
	Harmony/Echo	Yes	Yes	Yes	Yes
	Sustain Button	Yes	Yes	Yes	Yes
Registration Memory		8 pads (Bank: depend on Memory)	8 pads (Banks: depends on memory)	8 pads (Banks: depends on memory)	8 pads (Banks: 8)
Control	Pitch Bend	Yes	Yes	Yes	Yes
	Modulation	Yes	Yes	Yes	No
	Articulation Button	ART. 1 / ART. 2	No	No	No
	Sliders	9 (incl. 1 assignable)	No	No	No
Display		640 x 480 dots TFT VGA color 7.5 inch LCD	QVGA Color 5.7 inch	QVGA B/W 5.7 inch	QVGA B/W 4.6 inch
	Text Viewer	Yes	Yes	No	No
RGB Out		Yes	No	No	No
Video Out		NTSC / PAL Composit	Yes	No	No
Storage		USB to Device	USB to Device	USB to Device	USB to Device
	Internal Flash	3.2 MB	1.4 MB	560 KB	1.85 MB
	Internal Hard Disk Drive	80GB	No	No	No
Jacks	USB TO HOST	1 (USB 2.0)	1	1	1
	USB TO DEVICE	2 (USB 2.0)	1	1	1
	MIDI	IN/OUT x 2 (A/B)	IN/OUT	IN/OUT	No
	Foot Pedal	Assignable Volume type x 3	Assignable Volume type x 2	Assignable Volume type x 2	Sustain switch
	LINE OUT	L/L+R, R	L/L+R, R	L/L+R, R	Shared with Phones
	SUB LINE OUT	2	No	No	No
	AUX OUT	L/L+R,R (Shared Loop Send)	No	No	No
	Mic In (Shared Line In)	L/L+R/MIC. R (with TRIM. Knob)	Yes	No	No
	AUX IN	L/L+R, R (Shared Loop Return)	Yes	Yes	No
Internet Direct Connection		Yes	Yes	Yes	No
Amplifier		No	12 W + 12 W	12 W + 12 W	12W + 12 W
Speakers	Size	No	[12 cm + 4 cm (Dome type)] x 2	[12 cm + 5 cm] x 2	[12 cm+3 cm] x 2
	Speaker System	No (Optional)	Bass Reflex	Bass Reflex	Bass Reflex
Size (W x D x H)		1140 x 450 x 143 mm	1003 x 433 x 148 mm	1003 x 433 x 148 mm	946 x 402 x 130 mm
Weight (kg)		15	11.5	11.5	7.5

Specifications subject to change without notice.

For details please contact:

YAMAHA

YAMAHA CORPORATION
P.O.BOX 1, Hamamatsu Japan
music.yamaha.com/homekeyboard

P10021283

Printed in Japan

PRINTED WITH SOY INK

This document is printed on chlorine-free (ECF) paper with soy ink.

YAMAHA

Tyros3
PSR-S900
PSR-S700
PSR-S550
PSR-S550B

DIGITAL WORKSTATION

Discover your Creativity

Tyros3

Embark on a new musical journey and discover the creativity inside you. Introducing the Tyros3.
This amazing new instrument is filled with authentic sounds, unmatched expressive potential, dynamic accompaniment, extensive recording features, and comprehensive control–yet is remarkably easy to use and play. No matter what your level of musical ability or experience, the Tyros3 can bring out all your latent creative talent–and help you make the music you've always dreamed of making.

Ultimate Realism	Ultra-realistic Super Articulation 2 Voices MegaVoice Wealth of Other Premium Voices Pro-quality Effects
Expressive Performance	Accompaniment Styles and Multi Pads Music Finder One Touch Setting Registration Memory Vocal Harmony FSX Keyboard
Limitless Creative Potential	Song Creation Style Creation Voice Creation Built-in Hard Disk Recorder Multi Pad Creator
Seamless Connections and Compatibility	Computer Connectivity Extensive Software Internet Connection for On-demand Music
Interactive Features	Convenient, Real-time Sliders and Controllers Music Learning Capabilities Large Color TFT Display Score, Lyrics and Text Display
Tyros3 official site	music-tyros.com

Tyros3 official site

This official site provides up-to-date information about everything related to the Tyros3, from specifications and demos to downloads.

http://music-tyros.com/

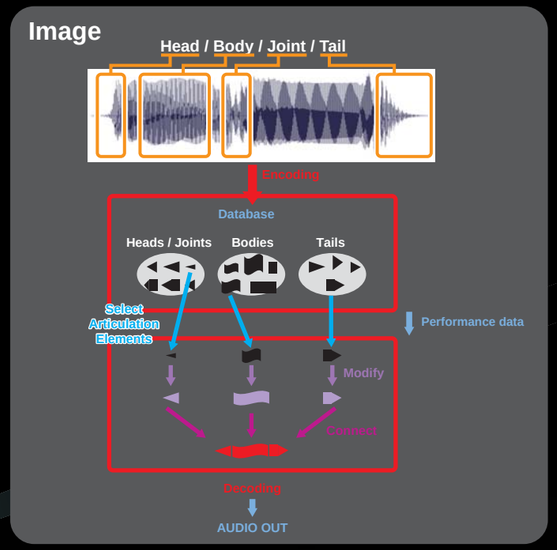
Tyros3

Vibrant, Ultra-lifelike Voices

Stunning instrument Voices, ultimate realism and incredible expressiveness—the Tyros3 has everything it takes to truly make your performance come alive! Here are just some of the ways the Tyros3 sounds so amazing…

Super Articulation 2

This sophisticated new technology breaks down the characteristic articulations of the instrument into separate elements, and then re-synthesizes them in real time as you perform. The result is a level of expressive realism you've never experienced before in a keyboard. Wind and brass instruments such as saxophone, trumpet, clarinet and Irish pipe literally come alive as you play—almost as if the breath were coming from your fingertips! These breakthrough voices feature extraordinarily natural legato and staccato expression and let you easily use performance effects such as vibrato, pitch bend and glissando. Special ART (Articulation Control) buttons also let you select or cancel specific performance effects for the voice while you play.



Wealth of Voices and Effects

The Tyros3 provides over 700 dynamic, realistic Voices, giving you instant access to virtually every instrument in the real world—and beyond! What's more, the essential Voices you most count on in your performance—pianos, guitars, drums, wind instruments, synthesizers and more—have all been enhanced and improved. The special Organ Flutes section gives you a comprehensive selection of preset organ sounds (complete with vintage waveforms), and provides one-touch access to on-screen tone bars for adjusting the individual flute footages.

The Live!, Cool! and Sweet! Voice categories feature exceptionally realistic acoustic and electronic instrument sounds, using a mixture of stereo and multilayered samples to capture the natural sound and expression of the original instruments. In addition, the Tyros3 has a separate, dedicated set of MegaVoices that deliver enhanced realism and expression for use in Song data and MIDI recording applications. And for the final touch in your sound, there is a comprehensive set of Digital Signal Processing (DSP) tools-effects that let you enhance the sound in a variety of ways (for example, with reverb, chorus or EQ), or completely transform it. The reverb in particular is luscious, with an even more natural, rich decay.

Dynamic, Expressive Backing Styles

Need something extra to back up your playing or jump-start your songwriting? The Tyros3 has a wealth of pro-quality rhythms, bass and other automatic accompaniment to give your performance the sound of a full band.

Powerful, Pro-quality Accompaniment

The new Tyros3 has a huge set of 450 built-in dynamic Styles, each with various different "sections," plus a wealth of versatile real-time controls that give you the power to easily perform fully arranged, professional-sounding songs. There's also a special DSP effect section dedicated to the Styles that make the sound even more powerful. Even guitar parts respond accurately to your chord changes with remarkable realism.

Tyros3 has many other performance tools and features to inspire your creativity. For example, the Multi Pads let you spice up your playing with a wide selection of instantly available one-shot phrases and special loops—which can automatically sync to the Styles. And when you want to play in a certain genre of music but don't know which settings to choose, the convenient Music Finder feature has over 1,800 preset records, each with its own specially selected Style and Voice settings and choice of four registrations to help you.

One Touch Setting presets four specially programmed settings for each Style let you reconfigure the Tyros3 with the proper Voices and effects, for playing in that style of music, while the Registration Memory feature gives you eight presets for instant, total recall of your favorite panel settings. And if you sing while you play, you can connect a microphone to the Tyros3 and use Vocal Harmony to automatically add backup singers to your voice!

FSX Keyboard

The keyboard of the Tyros3 is equipped with a touch response feature (initial touch and after touch) that lets you dynamically and expressively controls the level of the voices with your playing strength, just as on an acoustic instrument.

Expand Your Creativity

Creation is at the heart of the Tyros3, with comprehensive features for creating your own Songs, Voices, Styles and even audio recordings—everything you need to fully realize your creative potential.

Creating Your Own Songs

With the built-in 16-track MIDI sequencer, the Tyros3 is truly a songwriter's dream come true. It allows you to easily record your keyboard performance in real time or use the Step Record feature to enter each note individually. There's even an Easy Record function that lets you instantly record fully arranged songs, including accompaniment styles! The sequencer also has fine controls for separately entering chord progressions and pattern variations, as well as automatically tightening the timing of your recorded parts. Repairing mistakes and replacing parts are exceptionally easy, too—using Punch In/Out recording and the precision editing functions of the Event List.

Creating Your Own Styles

The Tyros3, of course, has hundreds of professionally arranged built-in Styles for your pleasure. However, with the versatile Style Creator feature, you can also make your own—changing the content of existing Styles, creating completely new ones from scratch, or combining various parts from different styles for unusual "hybrid" accompaniments.

Creating Your Own Voices

Voice Creator and Voice Set are two powerful features that let you craft your own Voices. With Voice Creator, you can import original audio samples and waveforms, and assign them to the keys—letting you build completely new Voices and Drum Kits with your own sounds. Voice Set lets you edit a Voice—changing its filter, envelope and vibrato settings, as well as making modulation assignments and adjusting the EQ and effects. The end result is a Custom Voice that can be selected and played just like all the other Tyros3 Voices.

Hard Disk Recorder

The Tyros3 has a Hard Disk Recorder for directly recording the sound of the instrument to the built-in hard disk drive as digital audio data—with absolutely noise-free audio quality. Naturally, you can record your voice, guitar or other acoustic and electric instruments as well, and mix them with the Tyros3. Each track can be independently recorded, freely overdubbed and adjusted for balance. Moreover, if you have a computer and audio editing software, you can also edit the sound file as needed, and then re-import it to the Tyros3

Connectivity and More

Connect to computer

The Tyros3 is a perfect fit with your computer. The fast, built-in USB 2.0 connections let you quickly transfer data, and use your computer to take full control over the comprehensive Tyros3 features. The single USB connection lets you access both MIDI ports, for 32 channels of MIDI. Two separate USB TO DEVICE terminals are included—one conveniently on the front panel—letting you easily connect storage devices such as USB memory sticks. A LAN port is also included for direct connection to the Internet.

Extensive software

The musical potential of the Tyros3 continues with powerful software—including the Tyros3 Voice Editor, which gives you comprehensive, easy-to-use control over the voice and effect parameters. Since data is transferred between the computer and Tyros3 in real time, you can play the voice as soon as you've edited it. Another versatile tool is the MEGAEnhancer for Tyros3 (downloadable). This program converts conventional MIDI song data for use specifically with the MegaVoices—giving new life and realism to guitar and bass parts in MIDI songs.

Online, on-demand music

Bring your Tyros3 online and tap into the worldwide music network! Yamaha has created two new, essential online services for musicians everywhere: Internet Direct Connection (IDC) and Digital Music Notebook (DMN). IDC lets you connect the Tyros3 directly to the Internet—without a computer—giving you download access to thousands of MIDI songs for playback on the Tyros3. DMN, on the other hand, is a combination online music library and special music learning/performance program for your computer. The DMN catalog contains thousands of popular songs for downloading, and each song can be printed, played back with the Tyros3 sounds (with variable tempo), displayed as notation on the LCD, and even used with the accompaniment Styles of the instrument. This last feature is especially cool since it lets you find the right Style to fit the song, or experiment with unusual Style/song combinations.

Variety of options

As your musical needs grow, so can the Tyros3. If you want a full, self-contained keyboard system, add the optional TRS-MS02 speakers. And for maximum expressive potential and easy voice changes, hook up the MFC10 MIDI Foot Controller.

TRS-MS02

L-7S

MFC-10

Interactive Features

New sliders

The Tyros3 features a new set of controllers that significantly improve the controllability and playability of the instrument. Eight sliders and one assignable slider are now available below the display. For example, these let you easily adjust volume for multiple parts, change the level of the Style, or tweak the reverb settings—all in real time while you play. The sliders also correspond directly to the Organ Flutes drawbars, for ease in changing organ sounds.

Making learning fun and easy

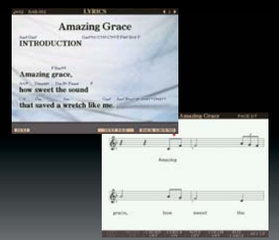
The Tyros3 also has a wealth of features that enhance your music studies, making it both fun and easy to learn new songs. The Follow Lights and Any Key keyboard practice functions pause song playback and wait for you to play the correct notes. Karao-Key and Vocal Cue Time are two features designed for sing-alongs. With Karao-Key, you can control the song and accompaniment playback with just one finger, while you sing along. Simply play any key in time with the music and the accompaniment follows your playing. Vocal Cue Time helps you learn how to sing, monitoring your voice and pausing playback until you sing the notes correctly.

Large TFT color display and TV output

One of the first things you notice about the Tyros3 is its beautiful extra-large, full-color, high-resolution display. The display is adjustable but can be viewed easily from any angle, and it shows all important settings and parameters at a glance. You can also connect the instrument to an external monitor—perfect for sing-along events and houses of worship.

Score, Lyrics and Text display

When we gave the Tyros3 an extra large display, we decided to give it some extra display features as well. These include display of the song notation (score) and lyrics (for songs that have score and lyric data). A special Text display function allows you to show text files you've created on computer—making it possible to display lyrics for songs that don't have lyric data, or for creating your own onscreen chord charts and song memos.



PSR-S900 PSR-S700

Top-quality sounds, amazing ease in operation and performance

The PSR-S900 and PSR-S700 give you the same ultra-high-quality sounds found on top-of-the-line PSR models, and they feature a newly designed panel layout that makes operating and playing exceptionally easy and intuitive. All panel controls and buttons are right in front of you, logically arranged for optimum performing convenience— allowing you to seamlessly switch settings as you play, and perform like a true pro!

Ultimate Realism

Dynamic Voices

The Voices of the S-Series are truly inspirational. The instrument gives you hundreds of exceptionally realistic, powerful and dynamic Voices that cover virtually every instrument category. Whatever music you play, you'll always have the right Voice—and a stunning sound to inspire your performance.

Super Articulation Voices (PSR-S900)

These amazing Voices reproduce acoustic and other instruments so authentically, you'll feel as if you're playing the real thing! Super Articulation Voices give you the unique performance characteristics of each instrument and are perfect for playing solo passages and legato melodies, intelligently adding just the right expressive nuances to your performance.

MegaVoices

The MegaVoices feature various playing techniques and performance sounds —such as finger slides and fret noise on guitar Voices—designed specifically to enhance playback of the built-in Styles. Simply hold down a chord while you play, and enjoy some of the most astonishingly realistic, expressive accompaniment you've ever heard.

Organ Flutes Voices

For those who love that vintage organ sound heard in Gospel, Blues, Jazz and Rock music, the PSR-S900 and PSR-S700 also have Organ Flutes Voices—with onscreen virtual tone bars that let you create your own custom sounds, too.

Expressive Performance

Styles

With the S-Series, you'll never have to play alone—thanks to the comprehensive Style playback features. They automatically produce full, authentic backing parts in every music genre that you can play along with and perform over, from intros and main parts to fill-ins and endings. It's like having an expert band behind you, following your every move and every chord change.

One Touch Setting (OTS)

This convenient feature automatically calls up the most appropriate Voices and effects for the currently selected accompaniment Style. Better yet, when OTS Link is on, the settings change in perfect sync and in perfect match with the Style when you select a different Main section.

Music Finder

If you want to play a certain type of music or a specific song and don't know which Style to choose, the powerful Music Finder feature can help. Simply select a song title or keyword, all appropriate panel settings are reconfigured to match the genre, including the appropriate Voices, Style and effects. Music Finder+ also works with the IDC service, giving you instant access to additional free Music Finder records and collections to help when your favorite song or music isn't on the instrument.

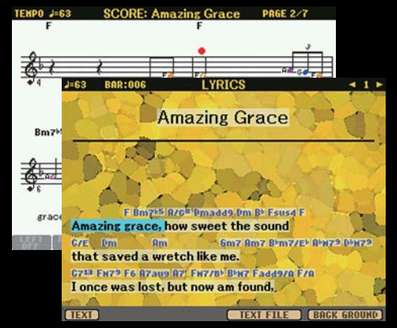
Vocal Harmony (PSR-S900)

Connect a microphone and automatically have backup singers mixed with your voice! These additional vocal harmony parts instantly follow the chords you play, and you can even select different harmony styles to match the music.

Score, Lyrics and Text display

When we gave these instruments an extra large display, we decided to give it some extra display features as well. These include display of the song notation (score) and lyrics (for songs that have score and lyric data).

A special Text display function (PSR-S900) allows you to show text files you've created on computer-making it possible to display lyrics for songs that don't have lyric data, or for creating your own onscreen chord charts and song memos.

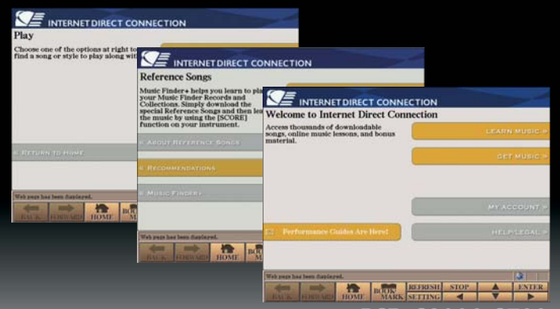


USB Audio Recorder

Record your songs and share your music—it's easy with the USB Audio Recorder feature (PSR-S900). It lets you record your keyboard performance as audio (WAV) data directly to a USB storage device (such as a memory stick). What's more, you can connect a microphone or guitar, and record your singing voice or another instrumentalist. Play melodies on top of the accompaniment Style parts, too! Once everything's recorded, just bring the storage device to your computer and burn your own performance CDs, share your recordings with your friends via e-mail, or upload the audio to websites for many others to enjoy.

Internet Direct Connection (IDC)

With the IDC service, you can access Yamaha's special IDC website directly from the instrument and download styles or your favorite song files from our site—without a computer! Once downloaded, these song and style files can be immediately played on the PSR-S900 and PSR-S700! All you need is an appropriate high-speed Internet connection (not dial-up) and network, and you have full access to the convenient Internet Direct Connection services.



PSR-S550
PSR-S550B

The new PSR-S550/S550B draws on the high-quality sound and features of PSR-S900/S700, and gives you versatile music-making tools in an even more affordable package. It features a large polyphonic capacity of 64 notes, and provides a built-in 16-track sequencer and comprehensive Style Creator for full music production.

The colors used vary depending on the region.

Vast Selection of Voices

A wide range of dynamic, realistic and powerful Voices cover virtually every instrument category, letting you choose from a complete sonic palette of over 760 Voices for your performance and recording pleasure.

Variety of Regional Voices, Styles and Songs

The PSR-S550 also features many special 11 regional Voices and 8 Drum Kits (Chinese, Indian and Middle Eastern), giving you even greater music-making versatility for playing in a variety of ethnic music genres. Regional 14 Styles and 4 Songs provide fully orchestrated parts and add to the sheer fun of the instrument.

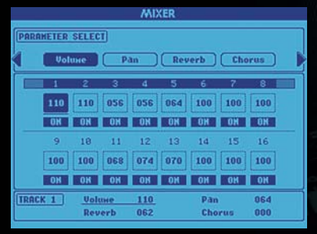
Dynamic Accompaniment Styles

The PSR-S550 provides Style playback features—176 Styles in all—for automatically producing full, authentic backing parts in every music genre. It's like having an expert band behind you, following your every move and every chord change. Moreover, a total of ten new dance styles have been added, covering Club, Hip Hop, R&B and Electronica styles, among others.

Style Creator Feature

The versatile new Style Creator feature gives you the tools to make your own custom Styles—changing the content of existing Styles, creating completely new ones from scratch, or combining various parts from different styles for unusual "hybrid" accompaniments. Naturally, the new regional Voices can be used with this feature, expanding your musical palette.

New Built-in 16-track Sequencer

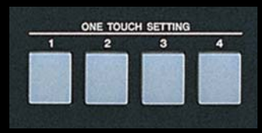


With its new built-in 16-track MIDI sequencer, the PSR-S550 gives you advanced music production tools and makes it easy for even beginners to create their own fully arranged musical masterpieces. Tracks can be recorded separately, or you can use the convenient Quick Recording function to instantly record several tracks at once, including accompaniment styles! Mixer controls allow you to finely adjust the balance of the various tracks for song playback—just as in a recording studio.

Wealth of Effects and Improved DSP

The PSR-S550 is packed with hundreds of pro-quality effects, many of which now take advantage of the same digital processing used on the state-of-the-art Tyros3. This means you can enjoy luscious reverbs and chorusing, along with dynamic effects such as rotary speaker for organ and distortion for electric guitar.

Convenient One Touch Setting and Registration Memory



One Touch Setting presets—four specially programmed settings for each Style—let you reconfigure the PSR-S550 with the proper Voices and effects, for playing in that style of music. Registration Memory, on the other hand, lets you save "snapshots" of your favorite panel settings—to Registration sets—for instant recall any time you need them. Eight of these are available at one time, letting you make broad sound/effect changes as you play!

Data Storage

The PSR-S550 also features useful data organization tools that let you store your important data (User Songs, custom Registration Memory settings, etc.) to a USB memory device or computer, then load back the data as needed.

Complete XG Compatibility

The PSR-S550 also has comprehensive support for XG—with a full 480 Voices—for full compatibility with that popular format.