



PSR-S650

EXPAND YOUR MUSICAL WORLD

The PSR-S650 boasts a newly enhanced Style performance engine with MegaVoice technology for ultra-realistic instrumental Style backing—especially with guitar sounds. It also features Voice Expansion to load additional Audio Samples, Voices, Drum Kits and Styles to expand your creative possibilities.

MegaVoice Technology

Drawing on technology of the famous Tyros series, MegaVoice technology brings a new level of realism to the PSR-S650. The MegaVoices feature various playing articulations, techniques and performance sounds. For example, guitar MegaVoices can have hammer-on, slide and mute sounds to go along with soft, medium and loud sounds with strumming and fret noise, all at the same time. Put it all together in a Yamaha Guitar-Enhanced Style and enjoy some of the most astonishingly realistic, expressive accompaniment you've ever heard!

Wide Selection of Voices & Styles

The PSR-S650 provides an exceptionally wide variety of realistic sounding Voices in all instrument categories. With a total of 359 amazingly authentic instrument Voices (including 9 MegaVoices), and 181 accompaniment Styles, you can enjoy regionally unique music—and have more fun.

Voice Expandability

The PSR-S650 includes a 16MB FlashROM for storing additional Audio Samples, Voices, Drum Kits and Styles. Once data is loaded into the FlashROM, it's always available even if you turn the power off. This is a great way to add your own palette of musical colors to the PSR-S650.

Scale Tuning

You can configure the tuning of the keyboard to match the music you're playing, with one of the nine preset custom tunings, like Arabic or Pythagorean—or by creating your own!



Specifications

PSR-S650

Model Name			PSR-S650	
Size/Weight	Dimensions	W x D x H	946 x 405 x 137 mm (37-1/4" x 15-15/16" x 5-3/8")	
	Weight		7.3Kg (16 lbs. 1 oz.)	
Keyboard	Number of Keys		61	
	Touch Response		Yes	
Display	Type		320 x 240 dots, QVGA B/W, 4.3 inch display	
	Contrast		Yes	
	Score Display Function		Yes	
	Lyric Display Function		Yes	
	Language		English/Japanese	
Controller	Pitch Bend Wheel		Yes	
Panel	Language		English	
Voices	Tone Generation	Tone Generating Technology	AWM Stereo Sampling	
	Polyphony	Number of Polyphony (Max.)	64	
	Preset	Number of Voices		357 + 28 Drum/SFX Kits + 480 XG + GM2 (for GM2 Song playback) + GS (for GS Song playback)
		Mega Voices		9
		Live! Voices		18
		Cool! Voices		22
		Sweet! Voices		12
	Voice Expansion	Voice		Yes
		Wave		Yes (16MB Flash ROM)
		Voice Set		Yes
Compatibility			XG, XF, GS, GM, GM2	
Effects	Types	Reverb	35	
		Chorus	44	
		DSP	237	
		Master EQ	5	
		Harmony	26	
	Function	Dual	Yes	
		Split	Yes	
	Panel Sustain	Yes		
Accompaniment Styles	Preset	Number of Preset Styles	181	
		Fingering	Multi finger, FullKeyboard, AI Fingered	
		Style Control	Intro x 3, Ending x 3, Main x 4, Fill In x 4	
	Compatibility		SFF GE	
	Custom	User Styles	Yes	
		Style Creator	Yes	
Other Features	Music Database	784 + External Files		
	OTS (One Touch Setting)	4 for Each Style		
Song	Preset	Number of Preset Songs	9	
		Custom	User Songs	Yes
		Song Edit	Yes	
	Recording	Number of Songs	5	
		Tracks	16	
		Data Capacity	Approx. 30,000 notes (when only "melody" tracks are recorded)	
		Recording Function	Quick Recording, Multi Recording, Song Editing	
Compatible Data Format	Playback	SMF (Format 0 & 1), XF		
	Recording	SMF (Format 0)		
Function	Registration	Registration Memory	8 buttons (x 8 Banks) with Freeze function	
	Demo	Demonstration	Yes	
	Overall Controls	Metronome	Yes	
		Tempo Range	5 – 280	
		Transpose	-12 – 0 – +12	
		Tuning	415.3 – 466.2Hz	
		Octave buttons	Yes	
		Scale	Yes	
Expansion Pack Installation		Yes		
Storage and Connectivity	Internal Memory		1,130 KB	
	External Drives		Optional USB flash Memory (via USB TO DEVICE)	
	Connectivity		USB TO HOST, USB TO DEVICE, DC IN 16V, PHONES/OUTPUT, SUSTAIN	
Amplifiers and Speakers	Amplifiers		12W + 12W	
	Speakers		12cm x 2 + 3cm x 2	
Power Supply	Power Supply		Adaptor: PA-300 or an equivalent recommended by Yamaha	
	Power Consumption		25 W (When using PA-300 power adaptor)	
	Auto Power Off Function		Yes	

Included Accessories : Owner's Manual / Data List / Music Rest / My Yamaha Product User Registration / AC Power adaptor* (PA-300 or an equivalent recommended by Yamaha)
 * May not be included depending on your particular area. Please check with your Yamaha dealer.

Optional Accessories : Adaptor: PA-300 or an equivalent recommended by Yamaha / Footswitch: FC4/FC5 / Keyboard Stand: L-6/L-7 / Headphones: HPE-150/HPE-30

Specifications and appearance are subject to change without prior notice.