

## SILENT Piano™ Specifications

		SH2		SC2		
Pianos		Upright Pianos Models : U series, P series, YUS series, SE series, SU7	Grand Pianos Models : GC series, CX series, SX series	Upright Pianos Model : b series	Grand Pianos Model : GB1K	
Sensor System	Key Sensors	Non-contact continuous detection optical sensor		Non-contact continuous detection optical sensor		
	Hammer Sensors	-	Non-contact 2-point optical fiber sensor	-		
	Peal Sensors	Damper Pedal : Continuous detection sensor, Soft/Shift Pedal : On/Off detection sensor, Sostenuto Pedal*1 : On/Off detection sensor		Damper Pedal : Continuous detection sensor, Soft/Shift Pedal : On/Off detection sensor		
Silencing System	Mechanism	Hammer shank stopper operated by silencing pedal/silencing lever*1	Hammer shank stopper operated by motor drive	Hammer shank stopper operated by centre pedal	Hammer shank stopper operated by silencing lever	
	Action	-	Quick Escape mechanism	-	Quick Escape mechanism	
Voices	Tone	Piano Sound Yamaha CFX, Bösendorfer Imperial		Yamaha CFX, Bösendorfer Imperial		
	Generation	Binaural Sampling	Yes (CFX Grand Voice only)		Yes (CFX Grand Voice only)	
		Piano Effects	VRM, Key-off Samples, Smooth Release		VRM, Key-off Samples, Smooth Release	
	Polyphony (max.)	256		256		
	Number of Voices	20		10		
	Voice Selection	CFX Grand, Bösendorfer Imperial, Upright Piano, Pop Grand, Ballad Grand, Stage E.Piano, DX E.Piano, Vintage E.Piano, Harpsichord 8', Harpsichord 8'+4', Celesta, Organ Principal, Organ Tutti, Jazz Organ, Strings, Choir, Synth Pad, Piano + Strings, Piano + Pad, Piano + DX E.Piano		CFX Grand, Bösendorfer Imperial, Upright Piano, Stage E.Piano, DX E.Piano, Vintage E.Piano, Harpsichord 8', Celesta, Organ Principal, Jazz Organ		
Functions	Reverb	Recital Hall, Concert Hall, Chamber, Cathedral, Club, Plate		Recital Hall, Concert Hall, Chamber, Cathedral, Club, Plate		
	Stereophonic Optimizer	Yes (Piano Voices other than CFX Grand)		Yes (Piano Voices other than CFX Grand)		
	Preset Songs	20 Voice Demo Songs, 50 Classics		10 Voice Demo Songs, 50 Classics		
	MIDI Recording / Playback	Yes (Number of Songs : 10)		Yes (Number of Songs : 1)		
	USB Audio Recorder	Yes		Yes		
	Metronome	Yes		Yes		
	Tuning	414.8 – 440.0 – 466.8 Hz (approx. 0.2 Hz increments)		414.8 – 440.0 – 466.8 Hz (approx. 0.2 Hz increments)		
	Bluetooth®	Yes (Audio)		-		
	Connectivity	DC IN	16 V		16 V	
Headphones		Stereo mini jack (x2)		Stereo mini jack (x2)		
MIDI		MIDI IN / MIDI OUT		-		
Audio		AUX IN : Stereo mini jack, AUX OUT : [L/L+R][R] (Standard phone jack)		AUX IN : Stereo mini jack		
USB		USB TO DEVICE / USB TO HOST		USB TO DEVICE		
Power Supply		AC Adaptor	PA-300C (or an equivalent recommended by Yamaha)		PA-300C (or an equivalent recommended by Yamaha)	
	Power Consumption	12 W (When using PA-300C AC adaptor)		11 W (When using PA-300C AC adaptor)		
	Auto Power Off	Yes		Yes		
Accessories	AC adaptor*, power cord*, headphones, headphone hanger, attachment screws for headphone hanger, "50 Classical Music Masterpieces" music book, Owner's Manual *May not be included depending on your area. Check with your Yamaha dealer.		AC adaptor*, power cord*, headphones, headphone hanger, attachment screws for headphone hanger, Owner's Manual *May not be included depending on your area. Check with your Yamaha dealer.			

Specifications are subject to change without prior notice. \*1 For models equipped with a sostenuto pedal.  
 Note: iPhone, iPod touch, and iPad are trademarks of Apple Inc., registered in the U.S. and other countries. The Bluetooth word mark is a registered trademark owned by Bluetooth SIG, Inc. and any use of such marks by Yamaha Corporation is under license.

### Apps & Headphones



#### Smart Pianist (iPhone® / iPod touch® / iPad® compatible)

Smart Pianist (available as a free download) enables you to use the functions such as selecting Voices, controlling the metronome intuitively with the visualised interface, or display the score on your smart device.



#### Open structured headphones—produce clear, high-quality sound

The headphones that come with SILENT Piano™ SH2 and SC2 type are designed in a way that minimises the strain on users after long hours of playing. This newly employed headphones contribute to the improvement of sound quality as well as to the reduction of fatigue during performance.



Always in tune with you

SILENT *Piano*™

# SILENT Piano™



Ackerman Music

## Always in tune with you

For pianists who want a piano that will be a true partner for their music, or those who want to offer their children the life-long gift of music, Yamaha offers a truly versatile, modern take on this storied instrument. With all the allure of an acoustic piano in a form that you can play without worrying about the time of day or those around you, these instruments will soon become an integral part of your musical life.

Yamaha released the first SILENT Piano™ in 1993, and has continued to improve the sound muting performance of SILENT Piano™ technology. A Yamaha SILENT Piano™ offers the enjoyment of acoustic piano performance, even when played while wearing headphones.

## SILENT Piano™ SH2 & SC2

High-quality binaural sampling of the Yamaha CFX and high-performance sensors that meticulously capture the expressions of the player provide the rich, comfortable playing experience of an acoustic piano, even when wearing headphones.



### SH2

Equipped with a high-performance silencing function, various voices and an abundant array of other functions to create the fullest piano playing experience.



### SC2

Equipped with a high-performance silencing function that provides the rich, comfortable playing experience of an acoustic piano, even when wearing headphones.

## Main Features



SILENT Piano™ function



A diverse range of voices

### Immerse yourself in the natural sound of the piano

Yamaha CFX Binaural Sampling provides such natural sound that you forget you are wearing headphones. Coupled with VRM (Virtual Resonance Modeling) that faithfully reproduces the distinct resonance of an acoustic piano, this technology allows you to immerse yourself in the natural sound of the piano without being disturbed by others.

### Your favourite voices in your headphones

The Yamaha CFX is characterised by a wide palette of tonal colours, from sparkling high notes to powerful bass tones. The Bösendorfer Imperial delivers a Viennese tone imbued with subtlety and warmth. These two world-renowned concert grand pianos headline a wide variety of voices that also include electric pianos, harpsichords and organs.

## SILENT Piano™ Technology

### Binaural sampling produces natural sound that envelops the player

Binaural sampling is a painstaking method of recording—special microphones are set up in the same positions as the performer's ears—done specifically to enhance the headphone listening experience.

### Unique key sensors that allow continuous detection offer faithful reproduction of the player's inspirations

Key sensors equipped with continuous-detection grayscale shutter sensing systems accurately capture the nimble movements and detailed nuances of the pianist's fingers. This makes it possible to execute repeated notes and trills at the edges of keys smoothly and naturally. The sensors are non-contact, so they do not affect the touch of the keys.