



Always in tune with you

SILENT *Piano*™

SILENT *Piano*[™]



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

In addition to a high-performance silencing function, the SH2 system offers 20 different voices, Bluetooth® connectivity and a MIDI port.



SC2

The SC2 system offers a high-performance silencing function as well as 10 different voices, a built-in metronome and a USB port.

Main Features



SILENT Piano™ function

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.

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.



A diverse range of voices

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.

- You can also use Smart Pianist to select these voices from your device.
- The UD-WL01 USB Wireless LAN Adaptor (sold separately) is required to use Smart Pianist over a wireless connection.

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.

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 | - | | |
| | Pedal Sensors | Damper Pedal: Continuous detection sensor, Soft/Shift Pedal: On/Off detection sensor, Sostenuto Pedal*: 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 | | Recital Hall, Concert Hall, Chamber, Cathedral, Club | | |
| | 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. The ipads shown in the images are not included.

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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.



SHARING PASSION & PERFORMANCE