

You don't need a theory to get a kick from the XW. Just follow your musical impulses. Indulge every whim in the new field of expression it opens up.

Generate stable, intense sounds at will

A keyboard that plays the lead in stage or street performances. PERFORMANCE SYNTHESIZER XW-P1 for keyboard players who like to perform live.

The Solo Synthesizer reproduces the sounds of traditional analog synthesizers.

The Hex Layer can overlap up to six tonal variations to deliver intense sounds.

Nine sliders are available for operating the Drawbar Organ.

Over 2,000 built-in waves enable you to create sounds exactly as you hear them in your head.

You can operate the knobs and sliders, moreover, to conduct real-time tone changes.

The long-awaited synthesizer with an overpowering presence that generates exactly the sounds you're after has arrived.

XW-P1



SPECIFICATIONS

Model	XW-G1	XW-P1
Keyboard	61 standard-size keys	
Touch Response	2 types, off	
Sound Source	HPSS (Hybrid Processing Sound Source)	
Maximum Polyphony	64 (1 to 32 for some tones)	
Tones	Solo Synthesizer (monophonic)	420 preset, 220 user
	Hex Layer	100 preset, 100 user
	Drawbar Organ	620 preset, 310 user
	PCM Melody	100 preset, 100 user
	PCM Drum	50 preset, 50 user
	User Wave	50 preset, 50 user
Solo Synthesizer (monophonic)	Synth OSC1/ OSC2 Blocks	20 preset, 10 user
	PCM OSC1/ OSC2 Blocks	10 *50 max. in SPLIT MODE
	External Input Sound Block	766 Synth waves, filter, amp
	Noise Block	311 Synth waves, filter, amp
	Total Block	Oscillator (2,046 PCM waves), *Including 763 Synth waves, 50 user waves, 5 Looper waves
	LFO Blocks	Filter, amp
Effects	Virtual controllers	Pitch shifter, filter, amp
	Reverb	Noise generator, filter, amp
	Chorus	Filter, Solo Synthesizer DSP
	DSP	2
	Master Equalizer	8
	Memories	System reverb
Performance Functions	Zone	System chorus
	Multi-function Key	*Except when using DSP or Solo Synthesizer tones.
	Sequence	100 preset, 100 user
	Maximum Steps	4 bands
	Number of Tracks	100 preset, 100 user
	Patterns	4 (maximum)
Step Sequencer	Chains	—
	Phrase	25 (maximum)
	Track	100 preset, 100 user
	Playback Mode	16
	Memory Capacity	8 monophonic, 1 polyphonic, 4 control
	Other	8 types per sequence
Phrase Sequencer	Arpeggio	100 user
	User Samples	100 preset, 100 user
	Sampling Frequencies	100 preset, 100 user
	Sampling Channels	100 preset, 100 user
	Quantization	100 preset, 100 user
	Mixer	100 preset, 100 user
Sample Looper	Transpose	100 preset, 100 user
	Octave Shift	100 preset, 100 user
	Tuning	100 preset, 100 user
	MIDI	100 preset, 100 user
	Wheels	100 preset, 100 user
	Sliders	100 preset, 100 user
Other Functions	Assignable Knobs	100 preset, 100 user
	Dial	100 preset, 100 user
	Display	100 preset, 100 user
	Demonstration Songs	100 preset, 100 user
	SD Memory Card Slots	100 preset, 100 user
Terminals	Supported Cards	100 preset, 100 user
	Functions	100 preset, 100 user
	MIDI	100 preset, 100 user
	USB*	100 preset, 100 user
	SUSTAIN / ASSIGNABLE	100 preset, 100 user
	PHONES	100 preset, 100 user
Power Supply	LINE OUT	100 preset, 100 user
	INST IN	100 preset, 100 user
	MIC IN	100 preset, 100 user
	AUDIO IN	100 preset, 100 user
	DC IN	100 preset, 100 user
	AC Adapter	100 preset, 100 user
Size (W x D x H)	Batteries	100 preset, 100 user
	Battery Life	100 preset, 100 user
	Weight	100 preset, 100 user
	Weight	100 preset, 100 user
	Weight	100 preset, 100 user
	Weight	100 preset, 100 user

* Supported operating systems: Windows® XP Home Edition (SP2 or later), Windows® XP Professional (SP2 or later, 32-bit), Windows Vista® (32-bit), Windows 7 (32-bit, 64-bit), Mac OS® X (10.3.X, 10.4.X, 10.5.X, 10.6.X, 10.7.X)
No USB cable is bundled with this product. Use a commercially available adaptable USB cable to connect it with a computer.
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CASIO®



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Data Editor software for rich sound creation on a PC

Data Editor, a dedicated application software for editing tones on a PC, can be downloaded from the URL below. Editing of various parameters on an easily understandable interface permits easier, richer sound creation.

*To download Data Editor:
<http://www.casio-intl.com/support/download/>
*Refer to the download site for details concerning OS support and other matters.

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TURN UP YOUR NOISE



Club music performances with a groove dynamic

Deploy groove sounds and beats without restraint, going wherever your senses take you. GROOVE SYNTHESIZER XW-G1 adds new inspiration to club music.

A Step Sequencer and Phrase Sequencer give birth to one original beat after another.

A User Wave Tone accumulates a variety of sounds for use as source materials.

A Sample Looper permits looping of your performances and external sounds.

A built-in 61-key keyboard can be used for playing or assigning phrases and functions, broadening the range of musical expression available and opening up unprecedented possibilities for playing styles.

A miracle groove machine that truly meets track makers' needs has finally appeared on the scene.

XW-G1



A 16-step Sequencer installed in the XW-G1 gives birth to original groove tracks



GROOVE SYNTHESIZER



A complete interface provides real-time control for new-concept track making

It incorporates rotating knobs and sliders with various parameters assignable, depending on the circumstances. Control cool sounds any way your senses desire for distinctively original track making.

■ A Step Sequencer that plays back 16-step sequence patterns in a loop

Specific patterns selected from 100 x 8 variations on preset groove music performance patterns, representing such genres as techno, house, hip hop and electro, are played back in a loop. You can create original tracks, adding your own arrangements by controlling the sound for each beat with the 16 ON/OFF buttons, for instance, and by changing notes and velocities in real time with the 9 sliders. A Chain Function has been added as well to let track makers link together up to 99 multiple sequence patterns and play them back in a loop. This permits creation of up to 100 variations on the original patterns.

■ A Solo Synthesizer that reproduces traditional analog synthesizer sounds

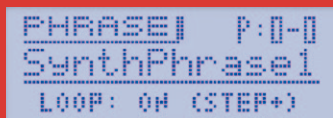
A total of 100 analog synth tone variations used to dynamic effect in club music are preset. Performers can also create original tones by making appropriate use of over 2,000 available waves and editing their various parameters — a new style of tone creation that was not possible with conventional analog synthesizers or analog modeling synthesizers. The tones can be changed freely during a performance by operating the knobs and sliders.

■ Contemporary sounds dynamically deployed in club music

Various complete Solo Synthesizer tones, from standard synth sounds to highly distinctive sounds, are available. It incorporates 766 incorporated synth waves adopted from trendy club scene sounds as well as 701 drum waves and 20 drum set variations carefully selected from club music. Together, they facilitate creation of super-cool, high-energy groove tracks.

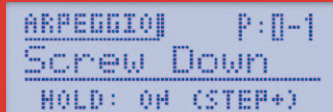
■ A Phrase Sequencer for call out and playback of sequential phrases

Built-in resources also feature 100 preset phrases, including high-speed synthesizer phrases and drum loops. Specified phrases can be played back during a performance (looping possible) to boost the excitement level even higher. A selection of up to 100 phrases used in performances can also be registered as original phrases.



■ An Arpeggio Function that can be synchronized with the Step Sequencer

Arpeggio patterns that adopt pressed keys as constituent sounds can be used for automatic loop playback. This function opens up even more performance possibilities using the keyboard or Step Sequencer.



■ A Multi-function Key for assigning various phrases and functions to the keyboard

Various phrases and functions, including Sequence Phrase, Tempo Switching, Effect and Control Change, are assignable to 25 keys. The parameters can be switched instantaneously or phrases played back, capabilities realizing superior real-time operability.

■ 5.4 kg lightweight body for easy carrying to a club or party. Battery-powered operability assures access to a power source, even in circumstances such as outdoor performances.

Present your own distinctive sounds by sampling a variety of sounds and phrases.

■ A Sample Looper capable of overdubbing a diverse range of sounds

Performances conducted on the instrument itself as well as external sounds can be looped for up to 19 seconds and overdubbed. This feature is useful for creating tracks to serve as original sound sources. Track makers can use the Beat mode to record a single-beat sound segment and repeat it a specified number of times, the Split mode to take multiple samples consecutively in a single recording, or the OVDB mode to conduct overlapping recordings on top of recorded samples. The Sample Bar enables you to select the appropriate mode for any particular circumstance.



■ A User Wave Tone for saving sampled sounds as user tones and using them in various performances

Up to 10 types of sound sources with a maximum of 50 tones prepared using the Sample Looper can be stored (in the Split mode). These tones can be used during a keyboard performance, for loop playback of Step Sequencer sequences or as user drum sound sources. Varying the pitch, filter or amplifier with the dedicated Envelope Generator is also possible.

XW-PI



PERFORMANCE SYNTHESIZER

Stable, intense sound generated by a newly developed sound engine, the Hybrid Processing Sound Source

The XW incorporates CASIO's newly developed Hybrid Processing sound engine, which fuses an LSI sound source with a high-performance CPU and DSP. The resulting varied tones cross the borders between genres. Synth tones that are frequently used in live performances and Drawbar Organ tones are all at your disposal, contributing to impressively expressive performances.

■ Support for performers with high sound production standards from over 2,000 built-in waves

A varied collection of 311 synthesizer waves has been reproduced from traditional analog synthesizer waves and built in. Full use of the sliders and knobs enables intuitive sound creation by selecting among the 2,158 assorted available waves — including waves from the C2 synthesizer series of masterpiece instruments of the past. Tones can be changed freely in the course of a performance, moreover, supporting demonstration of awesome power during live performances as well.



Diverse range of top-quality preset tones

■ Solo Synthesizer (100 tones)

Reproduction of the tones employed by traditional analog synthesizers provides access to 100 preset tones dynamically employed in live stage performances. Preset sounds range from the crisp edge of a lead guitar to solid brass tones. Specialized Solo Synthesizer effects such as a ring modulator and delay are also incorporated.

■ Hex Layer (50 tones)

Overlapping of up to six tonal varieties achieves an intense sound with remarkable presence. A new realm of powerful, dynamically expressive performances is opened up to give your creativity free rein.

■ Drawbar Organ (50 tones)

Nine sliders operate with a drawbar feel to provide a variety of organ sounds. A diverse selection of 50 drawbar settings for various musical genres is also preset.

■ PCM tones (420 tones)

PCM tones of superior-quality acoustic musical instruments, ranging from piano and guitar to a drum set, are all built in.

■ A variety of functions to provide support during live performances

- A Performance Function permits assignment of tones and performance settings to individual keys in as many as four zones, for each of which ON/OFF controller setting is possible.
- A Phrase Sequencer has been installed to enable you to incorporate preset or user phrases to enliven your performances.
- The Arpeggio Function for automatic playback of arpeggio patterns employs pressed keys as constituent sounds.

■ A complete outfit applicable to everything from performances to music production

- SMF data and audio data*1 stored on SD cards is available for playback. This feature finds active use under a wide range of performance conditions, from live performances and rehearsals to practice sessions at home.
*1 Requires downloading of dedicated application software and media conversion to a special format. To download Data Editor: <http://www.casio-intl.com/support/download/>
- A diverse range of input and output terminals supporting connection to MIDI devices, microphones, audio players and other peripherals. Possible uses include practicing while linked to an MIDI device or in sync with audio data.
- Rubber pad for a portable audio player or other equipment.



■ 5.4 kg lightweight body for easy transport to stage or studio. Battery-powered operability assures access to a power source, even in circumstances such as outdoor performances.

Fully loaded, with features such as Solo Synthesizer and Hex Layer producing a powerful sound and overwhelming presence

High-quality sound creation with 6 oscillator blocks [Solo Synthesizer tones]

Six oscillator units comprising the core of the synthesizer feature two Synth OSC blocks and two PCM OSC blocks for PCM tone and rhythm waveform selection as well as a Noise block for producing a variety of noises and an External Input Sound block for intake of such sound sources as digital audio equipment. The resulting ability to raise the volume to higher levels enables you to achieve denser, more powerful sounds.

* Monophonic only in the Solo Synthesizer mode.
* Original user-generated waveforms are selectable with the XW-G1.

