



Digital Musical Instruments

_2013/14

CASIO®



Go Beyond Sound

This slogan summarizes our aim to bring the joy of music making to the world with every CASIO musical instrument. We do this by developing innovative digital pianos, keyboards and synthesizers with truly inspiring sound and creative properties. And with over 70 million instruments sold worldwide, we are clearly on the right track.

www.casio-music.com



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A resounding success

How do you translate the emotional experience of playing an acoustic piano with all its physical and tonal facets to a modern digital piano? By not settling for what has already been achieved, but instead working tirelessly to refine the details. This is precisely what CASIO has succeeded in doing with its new generation of digital pianos. The physical sound emission has been so realistically emulated with the new multi-dimensional AiR Sound Source that the sound waves seem to emanate directly from the casing*, adding a whole new dimension of authenticity.

*Lid Simulation only on models AP-650M, AP-450, PX-850, PX-A800

AiR Acoustic and intelligent Resonator

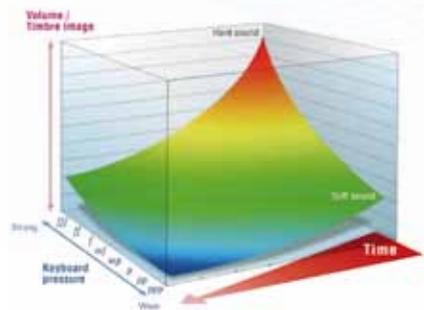


Even more nuances,
even more details – even closer
to the real piano sound

Multi-dimensional Morphing

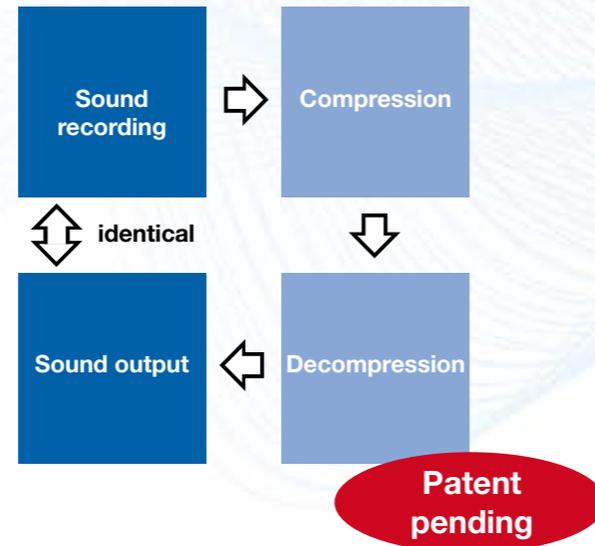
AiR Sound Source

AiR stands for „Acoustic and intelligent Resonator“ and is the name of the newly developed multi-dimensional sound source from CASIO. In combination with further innovations, this new sound source is at the heart of the new digital piano technology. The result is unprecedented, natural-sounding digital reproduction of the playing and sound properties of a concert grand piano.



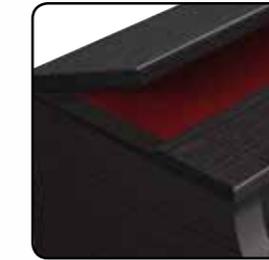
Lossless audio compression

The lossless audio compression technology used only in CASIO's revolutionary AiR Sound Source allows sounds to be reproduced with no reduction in sound quality in relation to the original.



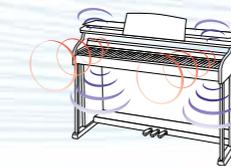
Lid Simulation

The Lid Simulator simulates the different sound characteristics (brighter/duller) when playing with an open or closed piano lid. There are four simulation levels to choose from depending on personal taste: open, removed, half open or closed.



Variable piano lid

In the top-of-the-range models AP-650M, AP-450, PX-850 and PX-A800, the piano casing features a real lid that can be opened or closed. This reinforces the three-dimensional impression of an acoustic piano.



The setting of the Lid Simulator is independent of the opening or closing of the real casing lid.

String resonance system

CASIO's unique string resonance system ensures precise simulation of the sympathetic and interacting piano strings for all 88 keys. The nuances generated by pressing the damper pedal („damper resonance“) are authentically replicated.



AiR

Acoustic and intelligent Resonator



CELVIANO



AP-650MBK

For ultimate musical pleasure

The rich, differentiated sound palette of the top model in the CELVIANO series offers hearing pleasure far superior to that of standard digital pianos. The grand piano-style richness of the sounds and resonances is complemented by a well-balanced automatic accompaniment feature which offers endless possibilities for musical expression with its 250 tones and 180 rhythms. From grand piano to general MIDI.

- **New multi-dimensional AiR Sound Source (256-note polyphony)**
- **Tri-Sensor Scaled Hammer Action II**
- **Lid Simulation: Piano lid can be opened**
- **Damper resonance**
- **Hammer response**
- **String resonance**
- **Key-off Simulation**
- **250 tones, 180 rhythms, 60 rehearsal songs**
- **USB interface (PC)**
- **USB flash memory port (storage medium)**
- **Audio recording function**



Piano stool not included in the delivery package.

Piano-playing pleasure with no compromises

Pure piano feel. Thanks to the AiR Sound Source with its rich tones and precision reproduction of the string resonances, you can easily forget that you are playing a digital instrument. The elegant console appearance further emphasizes this closeness to the instrument's acoustic counterpart. All these similarities are rounded off by the option of opening the piano lid of the AP-450 so that you can enjoy a truly physical sound sensation just like that of a grand piano.

- **New multi-dimensional AiR Sound Source (256-note polyphony)**
- **Tri-Sensor Scaled Hammer Action II**
- **Lid Simulation: Piano lid can be opened**
- **Damper resonance**
- **Hammer response**
- **String resonance**
- **Key-off Simulation**
- **18 tones, 60 rehearsal songs**
- **USB interface (PC)**
- **USB flash memory port (storage medium)**
- **Audio recording function**

AP-450BK



AP-450WE





Piano quality with a classic look

Some top-of-the-range instruments would be proud to boast the authentic power of expression and natural sound quality found in the entry-level model of the CELVIANO series. The AP-250 features the new multi-dimensional AiR Sound Source and a classic design that makes it the ideal choice for first-time users with demanding quality requirements. A further highlight of this instrument is, without question, the keyboard with its ebony and ivory finish.

- **New multi-dimensional AiR Sound Source (128-note polyphony)**
- **Tri-Sensor Scaled Hammer Action II**
- **Damper resonance**
- **Hammer response**
- **18 tones, 60 rehearsal songs**
- **USB interface (PC)**

Piano stool not included in the delivery package.

AP-250BN



10th
Anniversary



Privia

10th
Anniversary



Natural sound, natural look

The PX-A800 is one of the anniversary models that CASIO has released to mark the 10th anniversary of the PRIVIA range. In addition to the AiR innovations, the developers have also made further enhancements to the sound of this special model. The new grand piano presets – from Classic Grand Piano to Pop Grand Piano – appeal equally to lovers of classical, jazz, rock and pop. The hall simulator emulates the typical acoustics of 10 different concert halls, allowing the player to experience the sound of the piano virtually in a famous concert hall, cathedral or stadium.

- **New multi-dimensional AiR Sound Source (256-note polyphony)**
- **Tri-Sensor Scaled Hammer Action II**
- **Lid Simulation: Piano lid can be opened**
- **Damper resonance**
- **Hammer response**
- **String resonance**
- **Key-off Simulation**
- **18 tones (10 piano presets) , 60 rehearsal songs**
- **Hall simulator with 10 types**
- **USB interface (PC)**
- **USB flash memory port (storage medium)**
- **Audio recording function**



A rich tonal spectrum

CASIO has also released the PX-A100 to celebrate its ten-year PRIVIA success story. This compact anniversary model features 10 grand piano tones which are made to resonate with their full brilliance by the AiR sound source. The hall simulator of the PX-A100 also effectively enhances the fullness of the sound. Sophisticated digital technology has been used to authentically replicate the acoustic conditions in ten different concert halls. This model is available in two subtle metallic colours: metallic red or metallic blue.

- New multi-dimensional AiR Sound Source (128-note polyphony)
- Tri-Sensor Scaled Hammer Action II
- Damper resonance
- Hammer response
- 18 tones (10 piano presets) , 60 rehearsal songs
- Hall simulator with 10 types
- USB interface (PC)



Simple and functional user interface



Fine workmanship with fabric speaker cover and red felt on the ends of the keys



New and improved keyboard with hammer action



- New multi-dimensional AiR Sound Source (128-note polyphony)
- Tri-Sensor Scaled Hammer Action II
- Damper resonance
- Hammer response
- 18 tones (10 piano presets) , 60 rehearsal songs
- Hall simulator with 10 types
- USB interface (PC)

A professional stage performer with master keyboard ambitions

CASIO is making a clear statement by adding „Pro“ to the name of its new PRIVIA Pro PX-5S. This is a stage piano that loves to be in the limelight, equipped with all the professional tools that performing musicians need. With four flexible keyboard zones and a range of assignable MIDI controllers, the PX-5S also has clear master keyboard ambitions.

The sound quality is outstanding and the range of sounds enormous. The sound capabilities of AiR technology open up a whole new world of authentic vintage electronic piano and Clavinet sounds. In combination with a comprehensive effect section, the PX-5S features a whole arsenal of acoustic and electronic piano sounds. Hex Layers – derived from the successful CASIO XW-P1 synthesizer – allow you to dynamically

overlay up to six sounds for atmospheric synth effects or complex orchestra simulations.

The PX-5S also has an incredible synth section: as well as essential components like LFO, filters and envelopes, the many effects offer numerous possibilities for actively shaping the sound.

Four independent, programmable Arpeggiators and a Phrase Sequencer with eight tracks are further features that raise the bar for live stage performances.

Despite its 88 keys with scaled hammer action, the PRIVIA Pro PX-5S weighs in at just 11.1 kg – an advantage that certainly carries weight for a stage instrument.

Privia PRO





AiR sound plus advanced controller functions

The PRIVIA Pro PX-5S is fully equipped for both stage and studio. With 340 tones in AiR quality, Hex Layer sounds, synthesizer engine, four master keyboard zones, configurable knobs and sliders, Arpeggiator and four-track Phrase Sequencer, the PX-5S is a rich-sounding stage piano and a powerful master keyboard rolled into one.

- multi-dimensional AiR Sound Source (256-note polyphony)
- 340 tones
- 4 master keyboard zones
- Hex Layer
- Phrase sequencer, arpeggiator
- Delay, reverb, chorus
- 4 DSP (with new amp simulation)
- Master effects: 4 bands + compressor
- High resolution velocity + Key off velocity
- Envelope response pedal (assignable)
- 4 knobs, 6 sliders
- pitch bend wheel, modulation wheel



Assignable controllers for a wide range of sound modulations



10 x 10 stage settings for quick access to user-configurable presets



Non-slip placement area and battery compartment



Perfect sound meets functional beauty

A slender and compact piano body with a highly sophisticated design on the one hand – and a palpable, physical sound that seems to come directly from the high-quality casing on the other. In the PX-850, the CASIO developers have perfectly resolved this apparent contradiction. The PRIVIA can transform your living room into a concert hall, and never more so than when the lid of the body is opened to experience the ultimate subtleties of the sound. The top model in the PRIVIA series embodies the ultimate precision that goes into creating the perfect sound.

- **New multi-dimensional AiR Sound Source (256-note polyphony)**
- **Tri-Sensor Scaled Hammer Action II**
- **Lid Simulation: Piano lid can be opened**
- **Damper resonance**
- **Hammer response**
- **String resonance**
- **Key-off Simulation**
- **18 tones, 60 rehearsal songs**
- **USB interface (PC)**
- **USB flash memory port (storage medium)**
- **Audio recording function**

PX-850BK





PX-850VE





Invitation to a resonant pedal sound

The PX-750 is available in three tasteful wood tones to match your interior design: stylish black, warm brown or clean white. The PX-750 is a mid-range model in the PRIVIA series and features an integrated 3-pedal unit.

- New multi-dimensional AiR Sound Source (128-note polyphony)
- Tri-Sensor Scaled Hammer Action II
- Damper resonance
- Hammer response
- 18 tones, 60 rehearsal songs
- USB interface (PC)

PX-750WE



PX-750BK





Talented all-rounder for creative pianists

The PX-350M with automatic accompaniment feature meets the standards of even the most demanding musician. Whether for band projects or home recording, the PX-350M is a really talented all-rounder that delivers an impressive performance. The 250 tones and 180 rhythms/automatic accompaniments offer a broad selection for both classical grand piano playing and the full spectrum of other musical genres. The audio recording feature allows you directly record your own playing onto a USB storage medium.

- New multi-dimensional AiR Sound Source (128-note polyphony)
- Tri-Sensor Scaled Hammer Action II
- Damper resonance
- Hammer response
- 250 tones, 180 rhythms
- Backlit display
- USB interface (PC)
- USB flash memory port
- Audio recording function



Pitch bend wheel



Backlit display



USB flash memory port

PX-350MBK



Pictured stand not included in the delivery package.



Simple and functional user interface



Fine workmanship with fabric speaker cover and red felt on the ends of the keys



New and improved keyboard with hammer action

The freedom to play whenever and wherever you want

Weighing in at 11.1 kg (without stand), the PX-150 is so light that it feels at home anywhere. It comes close to its acoustic prototype without the need for a massive body to generate sound resonance in terms of playability and fullness of sound. The high-quality keys with ebony and ivory finish are a stylish feature, with their carefully roughened surface texture that prevents finger slipping and makes them feel great to play.

- New multi-dimensional AiR Sound Source (128-note polyphony)
- Tri-Sensor Scaled Hammer Action II
- Damper resonance
- Hammer response
- 18 tones, 60 rehearsal songs
- USB interface (PC)

PX-150WE



The image shows optional accessories. You will find accessories on page 117.



Backlit, informative display



Pitch bend wheel



Layer/Split and Arpeggiator function

Compact all-rounder

Featuring extended rhythm and accompaniment functions and a wealth of lively tones and impressive digital effects, the CDP-220R meets all today's requirements for a state-of-the-art ensemble piano.

- AHL Sound Source
- Hammer action
- 2 x 8 watt speaker system
- 700 tones/200 rhythms
- USB terminal, SD memory card slot
- Piano/organ button



Direct tone selection



*Optional stand CS-44P,
pedal is included*



*Easy operation
with the keyboard*

Pure piano feel

Its natural piano sound in AHL quality and authentic feel when playing make the CDP-120 model the ideal instrument for new users and everyone who wants a pure piano feel without lots of extras.

- AHL Sound Source
- Hammer action
- 2 x 8 watt speaker system
- 5 tones
- USB interface

Synthesizer flagship with full sound

CASIO is back! CASIO has made an impressive comeback on the synthesizer market with its new XW-G1 and XW-P1 synthesizer workstations.

Back in the 1980s, CASIO caused a sensation with its legendary CZ models and demonstrated its impressive know-how in this field with the development of its own synthesis technique – the unique Phase Distortion sound source. The new XW models draw directly on this legacy.

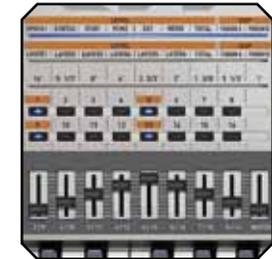
The models in the XW series are based on the new HPSS (Hybrid Processing Sound Source) and are fitted with six oscillators: two work in a virtual analogue way, two with PCM waves, one is used for real-time processing of externally imported signals, and one functions as a noise generator. This superior technical configuration,

together with the extensive range of functions, guarantees a limitless selection of potential applications and inexhaustible possibilities for sound experimentation.

Thanks to the ample number of presets, the right sound is always at your fingertips. Sounds can be varied and changed quickly and intuitively using nine faders and four assignable knobs – with no laborious menu navigation. This model provides perfect support for creating your own tones, and inspires professional and new synth users alike to explore deeper into never-ending universes of sound – which is, after all, the most important feature of a synthesizer.



XW-P1



Real-time mixing of sound parts



Direct access to groups of tones at the touch of a button



4 assignable knobs

Plunge into new sound dimensions

The new XW-P1 performance synthesizer combines powerful stage sounds for all genres with an impressive range of synthesizer tones. The Hex Layer function allows up to six sounds to be layered over each other and regulated proportionally in real time. This lends unbelievable dynamics and depth to their range of expression. Another great feature is the cult drawbar organ – for the perfect classic organ sound always at your fingertips.

- Solo Synth
- Hex Layer
- Drawbar organ
- Step Sequencer
- Arpeggiator & Phrase Sequencer
- 4 knobs/9 multi-functional faders
- Mixer
- Lightweight (5.4 kg)/ battery operation possible



Synthesizer_Features & Functions

XW-P1

Sliders & controllers: The nine sliders and the four freely assignable knobs can also be used to control the internal sounds and connected devices. Together with the pitch bend and modulation wheel, this provides you with a large number of hardware controllers for live performance.

Drawbar organ: The drawbar organ is great for live gigs and bands. The nine sliders of the XW-P1 can be used as a drawbar to control authentic organ sounds. Optional effects such as key percussion, rotary speaker, vibrato and distortion bring the analogue organ to life.

Step Sequencer: The Step Sequencer has nine tracks for drums, bass runs, solo sounds, chord sequences and four controller tracks. A wealth of presets or your own grooves takes your playing to a whole new level. The function for transferring data via MIDI and connecting other devices makes the Step Sequencer a truly handy feature.

Hex Layer: The XW-P1 has been specially developed for live performance and is equipped with a rich palette of sounds. Hex Layer allows you to overlay up to six sounds over each other. Combined with the Performance function, as many as nine sounds can be layered.

Arpeggiator & Phrase Sequencer: The powerful Arpeggiator comes with a wide range of factory-preset content, but can also be individually programmed as required. The additional Phrase Sequencer allows any riff played on the keyboard to be easily recorded and stored.

Solo synth: The core feature of the XW series is the virtual analogue monophone solo synth with Hybrid Processing Sound Source. This uses six oscillators with an excellent technical configuration – each of the oscillators has its own filter and amplifier; two LFOs and a resonant filter, each with an envelope, are additionally available.





Taking contemporary electronic sounds to a new level

For creative soundsmiths, the new XW-G1 groove synthesizer offers a massive selection of synthesizer waves and drum sounds. This synthesizer is ideal for electronic music production, thanks to a wide range of functions for using samples and loops and the possibility of customizing your own synthesis with individual wave forms. Real-time access to all sound-forming parameters using the nine faders guarantees intuitive operation.

- Solo Synth
- Sample looper/User Wave Tones
- Multifunction Key
- Step Sequencer
- Arpeggiator & Phrase Sequencer
- 4 knobs/9 multi-functional faders
- Mixer
- Lightweight (5.4 kg)/ battery operation possible



Sample looper



4 assignable knobs



Real-time sound forming, access to OSC, Env Gen and Filter

Synthesizer_Features & Functions

Slider & controllers: The nine sliders and the four freely assignable knobs can also be used to control the internal sounds and connected devices. Together with the pitch bend and modulation wheel, this provides you with a large number of hardware controllers for live performance. The XW-G1 also provides the option of changing or activating, for example, tempo, sounds, Step Sequencer pattern or phrases via the keyboard, which ensures impressive performance even in a live setup.

Step Sequencer: The Step Sequencer has nine tracks for drums, bass runs, solo sounds, chord sequences and four controller tracks. A wealth of presets or your own grooves adds a new dimension to your playing. The function for transferring data via MIDI and connecting other devices makes the Step Sequencer a truly handy feature. The XW-G1 also offers a broad selection of drum sounds.

Solo synth: The core feature of the XW series is the virtual analogue monophone solo synth with Hybrid Processing Sound Source. This uses six oscillators with an excellent technical configuration – each of the oscillators has its own filter and amplifier; two LFOs and a resonant filter are additionally available. While the oscillator portions can be controlled intuitively on the XW-P1, the XW-G1 allows direct hands-on access to all key parameters such as oscillator, envelopes and filters using the nine sliders.

Sample looper/wave tones: The XW-G1 groove synthesizer offers a broad range of tools and features for creative sound experimentation. One of the superb features it offers is the sample looper. The sample looper allows you to sample external and internal sounds and play them back in a loop lasting up to 19 seconds. Of course, repeated overdubbing is possible as well.

Arpeggiator & Phrase Sequencer: The powerful Arpeggiator comes with a wide range of factory-preset content, but can also be individually programmed as required. The additional Phrase Sequencer allows any riff played on the keyboard to be easily recorded and stored.



From starting out to experimenting with sound

CASIO offers keyboard fans of all ages outstanding brand-name instruments for first-time users – high-quality keyboards, great and small, that always produce a richly varied overall sound with their tonal qualities, numerous sound options and harmonious automatic accompaniment arrangements. Every day brings a new discovery! This has become a creative credo thanks to the valuable lesson functions and numerous creative options.

For advanced keyboard players, CASIO offers instruments that are packed with interesting

functions for creative music making and music production. These models offer an almost inexhaustible pool of creative possibilities for sound editing and refinement. Thanks to its impressive wealth of functions and user-friendly operating concept, you can develop just the sound you want, step by step. CASIO keyboards really inspire creativity, allowing you to extensively edit and create new sounds and rhythms, add digital effects and store individual creations that you can then call up at any time.



WK-7600



Drawbar organ



Pitch bend wheel and modulation button



Backlit display

Unrestricted music creation

The WK-7600 offers an almost inexhaustible pool of creative possibilities for sound editing and refinement. This top-of-the-range model in the High-Grade series is a real all-rounder featuring a Pattern Sequencer, Song Sequencer, DSP effects, tone editor, 32-channel mixer and Arpeggiator. The faders for the mixer function and the drawbars form the real icing on the cake for this sound and rhythm machine.

- 76 piano-style keys
- 820 tones/260 rhythms
- 100 DSP effects, auto-harmonize, Arpeggiator
- Drawbar organ with rotary effect
- Tone editor and Pattern Sequencer
- 16-track sequencer
- Direct audio recording on SD card
- Power adapter included

CTK-7200



- 61 piano-style keys
- 820 tones/260 rhythms
- 100 DSP effects, auto-harmonize, Arpeggiator
- Drawbar organ with rotary effect
- Tone editor and Pattern Sequencer
- 16-track sequencer
- Direct audio recording on SD card
- Power adapter included

WK-6600



Backlit display



Powerful 2-way bass reflex speaker system



Pitch bend wheel

Get just the sound you want

Getting just the sound you want is child's play with the WK-6600. This keyboard supports 100 DSP effects and 100 user patterns for your own DSP variations, activation of 150 different Arpeggiator types at the touch of a button, creation and storage of 10 of your own user tones, and 32 registration memories for convenient saving of settings.

- 76 piano-style keys
- 700 tones/210 rhythms
- 100 DSP effects, auto-harmonize, Arpeggiator
- Tone and rhythm editor
- 16-track sequencer
- Power adapter included



CTK-6200



- 61 piano-style keys
- 700 tones/210 rhythms
- 100 DSP effects, auto-harmonize, Arpeggiator
- Tone and rhythm editor
- 16-track sequencer
- Power adapter included



CTK-6250



- 61 piano-style keys
- 700 tones/210 rhythms
- 100 DSP effects, auto-harmonize, Arpeggiator
- Tone and rhythm editor
- 16-track sequencer
- Power adapter included



1001 possibilities

Different scale presets can be selected and fine-tuned in quarter tone increments using the oriental scale setting with its memory function. The Arabic scale is authentically reproduced. With its many oriental sounds and rhythms, it enables musicians to immerse themselves in Middle Eastern styles.

- 76 piano-style keys
- 800 tones/250 rhythms
- 100 DSP effects, auto-harmonize, Arpeggiator
- Tone editor and Pattern Sequencer
- 16-track sequencer
- Power adapter included



Backlit display



Quarter-tone tunings at the touch of a button



Pitch bend wheel and modulation button

AT-3



- 61 piano-style keys
- 800 tones/250 rhythms
- 100 DSP effects, auto-harmonize, Arpeggiator
- Tone editor and Pattern Sequencer
- 16-track sequencer
- Power adapter included

WK-220



In tune with the needs of versatile talents

For players with broad musical horizons, the WK-220 offers a vast array of tones and rhythms spanning all musical styles. And with its 76 touch-sensitive keys, it is also the ideal partner for lovers of acoustic pianos.

- 76 piano-style keys
- 600 AHL tones/180 rhythms
- Sampling function, Chord Book
- Registration memory
- USB, audio in, mic in
- Piano/organ button
- Power adapter included



Split, Layer, Arpeggiator function
Piano/organ button



Rhythm editor
and Song recorder



Backlit display

CTK-4200



Backlit display



Piano/organ button



Stylish fabric speaker cover

Play to your full potential

The CTK-4200 helps you master with legendary songs. Over 300 Music Presets allow practical presetting of parameters such as rhythm, tone, tempo, effects etc. for your favourite songs.

- 61 piano-style keys
- 600 AHL tones/180 rhythms
- Sampling function
- Lesson function
- USB & audio input
- Chord Book
- Power adapter included

CTK-3200



Touch-response keyboard



Pitch bend wheel



Informative display

A joy to play

The CTK-3200 offers everything that a keyboard beginner needs. 61 touch-sensitive keys unlock the joy of lively playing. The ideal instrument for all keen music students.

- 61 piano-style keys
- 400 AHL tones/150 rhythms
- Pitch bend wheel
- Sampling function incl. 5 voice pads
- Lesson function
- USB & audio input
- Power adapter included

CTK-2200



Informative display



Straightforward user interface



For a musical world tour

The diverse sound universe of the CTK-2200 is revealed in its 400 dynamic tones and 150 infectious rhythms – from rock and pop to world music. Thanks to the sampling function with 5 voice pads you can even record and play back your own sounds.

- 61 piano-style keys
- 400 AHL tones/150 rhythms
- Sampling function incl. 5 voice pads
- Lesson function
- USB & audio input
- Power adapter included

CTK-1100



Start/stop button



Informative display



Piano-style keys

Black and slimline

With its 61 keys, 100 tones, 100 rhythms and 100 songs, the CTK-1100 offers ambitious beginners a wide variety of attractive options for delving into the world of music. No fooling around – beginners will really learn how to play. The CTK-1100 incorporates a motivating lesson system to ensure effective key training.

- 61 standard keys
- 100 tones/100 rhythms
- 100 rehearsal songs
- LC display
- Lesson function

CTK-240



A fave for music class

With its 49 standard keys, the CTK-240 is the ideal starting instrument for all beginners. 100 tones, 100 rhythms and 50 songs lend themselves to instructive, yet fun music lessons.

- 49 standard keys
- 12-note polyphony (max.)
- 100 tones/100 rhythms
- 50 rehearsal songs
- LC display



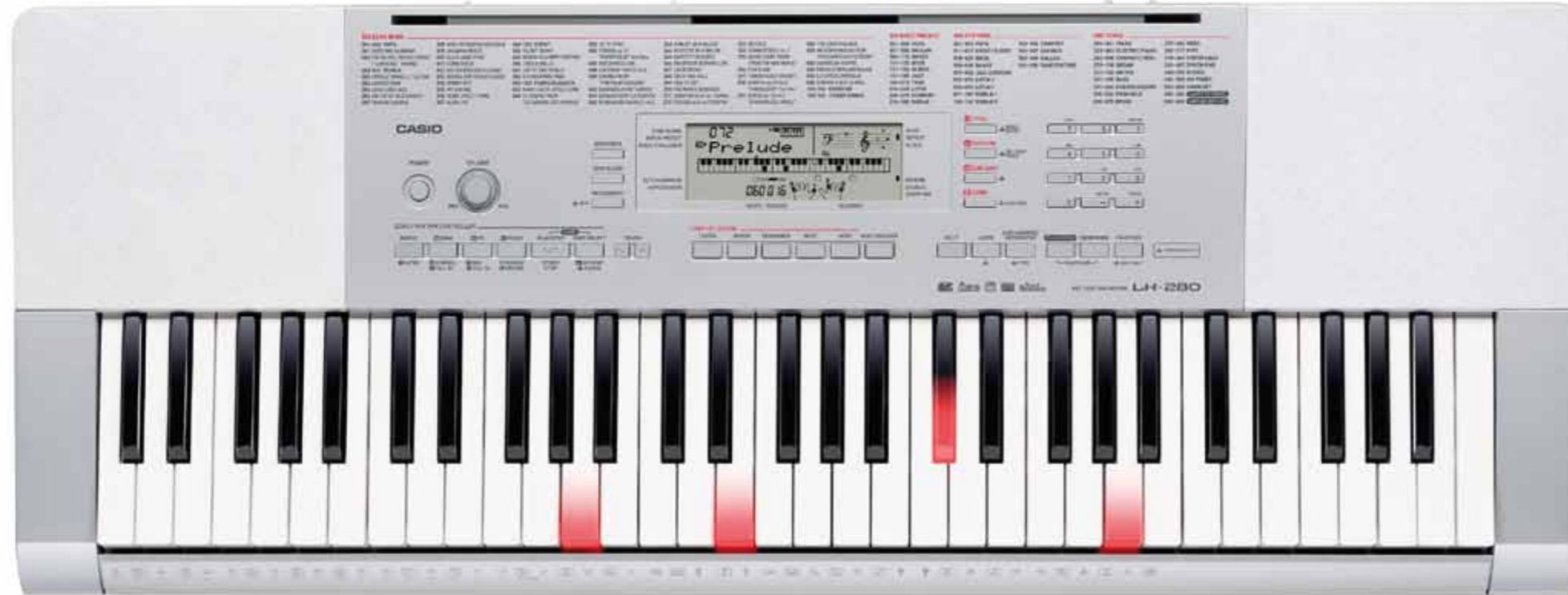
Easy to use



Informative display



Attractive design



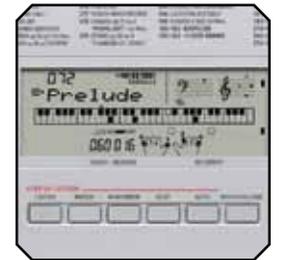
Discover the magic of music

The LK-280 helps children and young people discover the magic of music. As its range of functions shows, this instrument with key lighting offers students the best support.

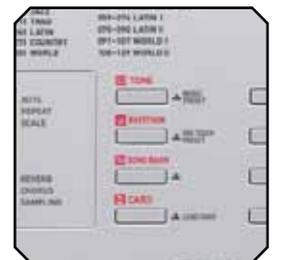
- 61 piano-style keys with key lighting
- 600 AHL tones/180 rhythms
- Sampling function, Chord Book
- Lesson function with key lighting
- USB, audio in, mic in
- SD card slot
- Piano/organ button
- Power adapter included



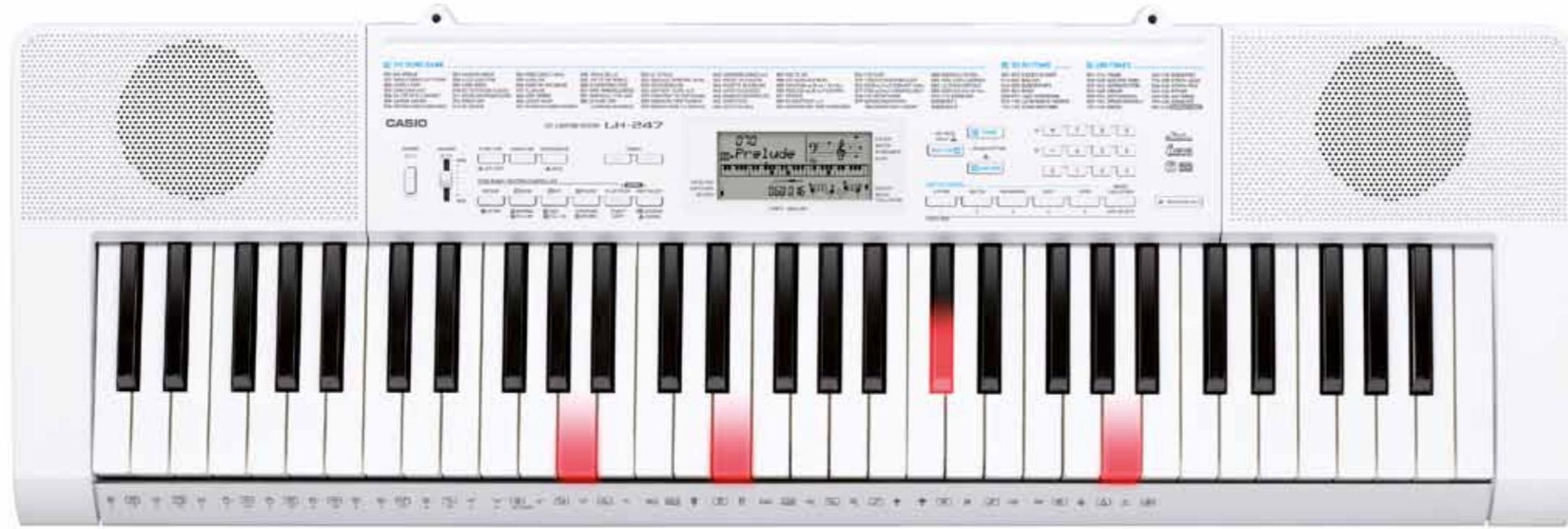
Split, Layer, Arpeggiator function
Piano/organ button



Informative display with
Step Up Lesson system



Direct access to the basic functions



Informative display



Direct access to the basic functions, Step Up Lesson system



Touch-response keyboard

Step by step to success

The LK-247 features CASIO's innovative Step Up Lesson system for keyboard beginners. The sampling function is also great fun.

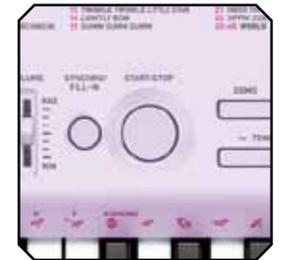
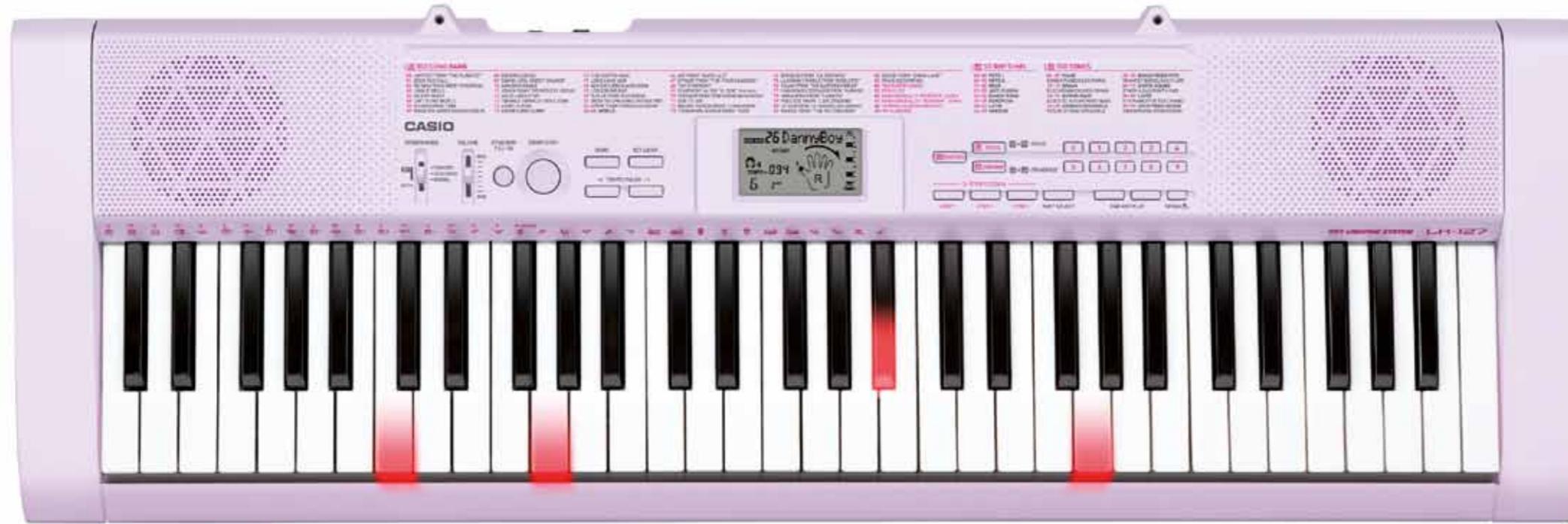
Recordings of up to a second can be played back using the voice pads.

- 61 piano-style keys with key lighting
- 400 AHL tones/150 rhythms
- Sampling function incl. 5 voice pads
- Lesson function with key lighting
- USB, audio in, mic in
- Power adapter included

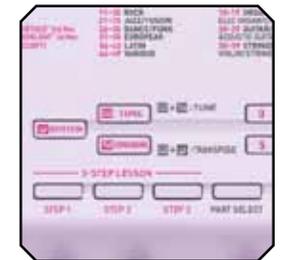
LK-240



- 61 piano-style keys with key lighting
- 400 AHL tones/150 rhythms
- Sampling function incl. 5 voice pads
- Lesson function with key lighting
- USB, audio in, mic in
- Power adapter included



Large start/stop button



Direct access to the basic functions, 3-step lesson system



Informative display

Modern learning

The LK-127 guides eager students with the key lighting on its 61 keys. Split into three levels, the key lighting lesson system lets you learn to play the keyboard at your own pace.

- 61 keys with key lighting
- 100 tones/50 rhythms
- 100 rehearsal songs
- LC display
- Lesson function with key lighting

LK-120



- 61 keys with key lighting
- 100 tones/50 rhythms
- 100 rehearsal songs
- LC display
- Lesson function with key lighting



For creative playrooms

With their 44 keys, the SA-76 (orange casing base), SA-77 (grey casing base) and SA-78 (pink casing base) provide all budding musicians with the essentials for playing their first tunes. 100 tones, 50 rhythms and 10 built-in songs provide the creative ingredients for tomorrow's keyboard talents. A large selector button also enables users to choose between different piano, organ and reed organ sounds.

- 44 mini-size keys
- 100 tones/50 rhythms
- 10 rehearsal songs
- Piano/organ button
- LC display
- 5 drum pads
- Melody off practice system



Come play with me

The SA-46 (green casing base) and SA-47 (grey casing base) feature 32 child-friendly mini-size keys and include 100 tones, 50 rhythms and 10 built-in songs. The new LC display indicates that serious playmates are at work here who wish to become a permanent fixture in the playroom.

- 32 mini-size keys
- 100 tones/50 rhythms
- 10 rehearsal songs
- Piano/organ button
- LC display
- 5 drum pads
- Melody off practice system

Function		CELVIANO			PRIVIA				
		AP-650M	AP-450	AP-250	PX-850/PX-A800	PX-750	PX-350M	PX-150/PX-A100	
Keyboard	Number of keys	88	88	88	88	88	88	88	
	Key action	Tri-Sensor Scaled Hammer Action Keyboard II	Tri-Sensor Scaled Hammer Action Keyboard II	Tri-Sensor Scaled Hammer Action Keyboard II	Tri-Sensor Scaled Hammer Action Keyboard II	Tri-Sensor Scaled Hammer Action Keyboard II	Tri-Sensor Scaled Hammer Action Keyboard II	Tri-Sensor Scaled Hammer Action Keyboard II	
	Key surface finish	Synthetic ebony and ivory keys	Synthetic ebony and ivory keys	Synthetic ebony and ivory keys	Synthetic ebony and ivory keys	Synthetic ebony and ivory keys	Synthetic ebony and ivory keys	Synthetic ebony and ivory keys	
	Touch response	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	
Tones	Polyphony (maximum)	256	256	128	256	128	128	128	
	Number of built-in tones	250 built-in tones	18 built-in tones	18 built-in tones	18 built-in tones/18 built-in tones (10 piano)	18 built-in tones	250 built-in tones	18 built-in tones/18 built-in tones (10 piano)	
	Sound source	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR	Multi-dimensional Morphing AiR	
	Stereo-sampled piano tones	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Simulator	Layer/Split	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	
	Hammer Response	Yes (4 levels)	Yes (4 levels)	Yes	Yes (4 levels)	Yes	Yes	Yes	
	String Resonance	Yes (4 levels)	Yes (4 levels)	-	Yes (4 levels)	-	-	-	
	Damper Resonance	Yes (4 levels)	Yes (4 levels)	Yes	Yes (4 levels)	Yes	Yes	Yes	
	Lid Simulator	Yes (4 levels)	Yes (4 levels)	-	Yes (4 levels)	-	-	-	
	Key-off Simulator	Yes	Yes	-	Yes	-	-	-	
Digital effects	Types	Reverb	4	4	4	4/10 hall simulator	4	4	4/10 hall simulator
		Chorus	4	4	4	4	4	4	4
		Brilliance	Yes(-3 ~ 0 ~ 3)	Yes(-3 ~ 0 ~ 3)	Yes(-3 ~ 0 ~ 3)	Yes(-3 ~ 0 ~ 3)	Yes(-3 ~ 0 ~ 3)	Yes(-3 ~ 0 ~ 3)	Yes(-3 ~ 0 ~ 3)
		DSP	Yes (preset for some tones)	Yes (preset for some tones)	Yes (preset for some tones)	Yes (preset for some tones)	Yes (preset for some tones)	Yes (preset for some tones)	Yes (preset for some tones)
Accompaniment rhythms	Number of built-in rhythms	180	-	-	-	-	180	-	
	One Touch Preset	180	-	-	-	-	180	-	
	User rhythms (rhythm editor)	10	-	-	-	-	10	-	
Songs	Number of built-in songs	60 (Music Library) songs	60 (Music Library) songs	60 (Music Library) songs	60 (Music Library) songs	60 (Music Library) songs	-	60 (Music Library) songs	
	Demonstration-only songs	6	-	-	-	-	6	-	
	Song expansion (user songs)	10 Songs (max.) Up to approximately 320KB/song	10 Songs (max.) Up to approximately 90KB/song	10 songs (max.) up to approximately 90KB/song	10 songs (max.) up to approximately 90KB/song	10 songs (max.) up to approximately 90KB/song	10 songs (max.) up to approximately 320KB/song	10 songs (max.) up to approximately 90KB/song	
	Top board open/close	Yes	Yes	-	Yes	-	-	-	
Additional features	Lesson function	Part on/off	Part on/off	Part on/off	Part on/off	Part on/off	Part on/off	Part on/off	
		Lesson part select	Right hand, left hand	Right hand, left hand	Right hand, left hand	Right hand, left hand	Right hand, left hand	Right hand, left hand	Right hand, left hand
	Recorder	Tracks	17 tracks (1 system track + 16 solo tracks) 5 songs, punch-in/punch-out recording	2 tracks, 1 song	2 tracks, 1 song	2 tracks, 1 song	2 tracks, 1 song	17 tracks (1 system track + 16 solo tracks) 5 songs, punch-in/punch-out recording	2 tracks, 1 song
		Approximate data capacity	Up to approximately 10,000 notes per song (total for all song tracks)	Approximately 5,000 notes total	Approximately 5,000 notes total	Approximately 5,000 notes total	Approximately 5,000 notes total	Up to approximately 10,000 notes per song (total for all song tracks)	Approximately 5,000 notes total
	Audio recording/playback	Max. 99 songs approximately 25 min/song (44.1kHz WAV Format)	Max. 99 songs approximately 25 min/song (44.1kHz WAV Format)	-	Max. 99 songs approximately 25 min/song (44.1kHz WAV Format)	-	Max. 99 songs approximately 25 min/song (44.1kHz WAV Format)	-	
	Duet mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Octave shift	±2 octaves	±2 octaves	±2 octaves	±2 octaves	±2 octaves	±2 octaves	±2 octaves	
	Metronome	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255 tap tempo	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255 tap tempo	0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255	
	Pedals	3 built-in pedals (damper, soft, sostenuto)	3 built-in pedals (damper, soft, sostenuto)	3 built-in pedals (damper, soft, sostenuto)	3 built-in pedals (damper, soft, sostenuto)	3 built-in pedals (damper, soft, sostenuto)	3 built-in pedals (damper, soft, sostenuto)	Included: SP-3 Optional: SP-20, SP-33 (damper, soft, sostenuto) Yes (with optional SP-33 3-pedal unit)	Included: SP-3 Optional: SP-20, SP-33 (damper, soft, sostenuto) Yes (with optional SP-33 3-pedal unit)
		Half-damper pedal operation	Yes (seamless recognition)	Yes (seamless recognition)	Yes	Yes (seamless recognition)	Yes	Yes (with optional SP-33 3-pedal unit)	Yes (with optional SP-33 3-pedal unit)
	Transpose	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	2 octaves (-12 semitones ~ 0 ~ +12 semitones)	
	Tuning control	A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz	A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz	A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz	A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz	A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz	A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz	A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz	
	Scale function	Number of preset temperaments	17	17	17	17	17	17	
		Pitch bend wheel	-	-	-	-	-	Yes (00 to 12 semitones)	-
	Display	Operation lock	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			Full-dot LCD with backlit	Full-dot LCD with backlit	-	-	-	Full-dot LCD with backlit	-
	MIDI and connectivity		Yes (GM level 1 compatible)	Yes	Yes	Yes	Yes	Yes (GM level 1 compatible)	Yes
Phones			2 (stereo standard)	2 (stereo standard)	2 (stereo standard)	2 (stereo standard)	2 (stereo standard)	2 (stereo standard)	
Pedal			-	-	-	-	-	2 (Damper, Soft/Sostenuto)	1 (Damper)
Connector for 3-pedal unit			-	-	-	-	-	Yes	Yes
Line OUT			2 (L / MONO, R), standard jack	2 (L / MONO, R), standard jack	-	2 (L / MONO, R), standard jack	-	2 (L / MONO, R), standard jack	-
Line IN			2 (L / MONO, R), standard jack	-	-	-	-	2 (L / MONO, R), standard jack	-
MIDI In/Out			In/Out	-	-	-	-	In/Out	-
USB port			Yes	Yes	Yes	Yes	Yes	Yes	Yes
USB flash drive port			Yes	Yes	-	Yes	-	Yes	-
Speakers			16 cm x 2, 5 cm x 2	12 cm x 2, 5 cm x 2	12 cm x 2	12 cm x 2, 5 cm x 2	12 cm x 2	13 cm / 6 cm (rectangular) x 2, 5 cm x 2	13 cm / 6 cm (rectangular) x 2
Speakers and amplifiers	2-way 4-speakers	Yes	Yes	-	Yes	-	Yes	-	
	Amplification	30 W + 30 W	20 W + 20 W	8 W + 8 W	20 W + 20 W	8 W + 8 W	8 W + 8 W	8 W + 8 W	
Size	Dimensions (w x d x h)	1,377 x 427 x 911 mm (top lid closed) (w/o music stand)	1,377 x 427 x 840 mm (top lid closed) (w/o music stand)	1,377 x 432 x 840 mm (w/o music stand)	1,367 x 299 x 837 mm (top lid closed) (w/o music stand, corner brackets)	1,357 x 299 x 833 mm (w/o music stand, corner brackets)	1,322 x 286 x 135 mm (w/o music stand)	1,322 x 286 x 135 mm (w/o music stand)	
	(with optional stand)	[-]	[-]	[-]	[-]	[-]	[1,322 x 286 x 760 mm]	[1,322 x 286 x 760 mm]	
	Weight	50.2 kg	40.5 kg	39.5 kg	35.5 kg (w/o music stand)	31.5 kg (w/o music stand)	11.6 kg (w/o music stand)	11.1 kg (w/o music stand)	
Accessories	Included accessories	AC adaptor (AD-E24500LW), score book, music stand, headphone hook	AC adaptor (AD-E24250LW), score book, music stand, headphone hook	AC adaptor (AD-A12150LW), score book, music stand	AC adaptor (AD-E24250LW), score book, music stand, headphone hook	AC adaptor (AD-A12150LW), score book, music stand	Pedal (SP-3), AC adaptor (AD-A12150LW), music stand	Pedal (SP-3), AC adaptor (AD-A12150LW), score book, music stand	

Function		PRIVIA PRO PX-5S 88 keys, Tri-sensor Scaled Hammer Action Keyboard II, synthetic ebony and ivory keys
Keyboard	Touch sensitivity	3 sensitivity levels, off
	High resolution velocity	16, 256 steps
	Key off velocity	Yes
	Hammer Response	Yes
Sound source		Multi-dimensional Morphing AiR sound source*1
	Polyphony (maximum)	256
Melody tones	Acoustic piano	20 presets, 20 user
	Keyboard instrument (including Electric Piano)	30 presets, 20 user
	Hex layer	50 presets, 50 user
	Organ	30 presets, 20 user
	Strings/brass	70 presets, 20 user
	Guitar/bass	40 presets, 20 user
Drum sets	Synth/various	80 presets, 50 user
		20 presets, 20 user
System effects	String resonance	Yes
	Damper resonance	Yes
	Delay	Yes
	Reverb	4 types
	Chorus	4 types
Master effects	Master equalizer	4 bands
	Compressor	Yes
DSP		4 lines, 20 types
	Stage settings	Memories 100 user Zone 4 (maximum)
Phrase sequencer	Phrase	1
	Songs	10
	Playback mode	One-time, loop
	Memory capacity	One phrase up to 8 KB (approximately 1,600 notes); 1,000 phrases totaling a maximum of 1 MB
	Other	Overdubbing, note-quantize
Demonstration-only songs		4 songs
Audio recording/playback		Max. 100 songs, approx. 25 min/song
	Format	44.1 kHz stereo WAV format
SMF playback		Yes
Mixer		16 channel + 1 channel (external input)
Other functions	Transpose	±1 octaves (-12 semitones ~ 0 ~ +12 semitones)
	Octave shift	± 3 octaves
	Tuning	A4 = 415.5 - 440.0 - 465.9 Hz
	Scale function	Temperaments: 17 preset
	Stretch tuning	8 types
	Arpeggios	100 preset, 100 user
	Operation lock	Yes
		4 knobs, 6 sliders, bender wheel, modulation wheel, 2 pedal jacks
Controllers		Yes
Envelope response pedal		Yes
Full-dot LCD display with backlight		Yes
MIDI		16 multi-timbre received, GM level 1 standard
Connectivity and storage	AUDIO IN (stereo mini jack)	Yes
	PHONES (stereo Standard jack)	2
	LINE OUT (standard jack)	2 (L/MONO, R)
	LINE IN (standard jack)	2 (L/MONO, R)
	USB host port	Yes
	USB flash drive port	Yes
	MIDI	MIDI In, MIDI Out/Thru
	Pedal	2 (assignable)
Power supply		2-way
	Batteries	AA-size zinc-carbon batteries or alkaline batteries
	Battery life	Approximately 3 hours (alkaline batteries, using the headphones)
Size	AC adaptor	AD-A12150LW (12V 1.5A)
	With optional stand	1,322 x 286 x 135 mm (not including protruding parts) 1,322 x 286 x 760 mm (without corner brackets)
Weight		11.1 kg (without optional stand, batteries)
	With optional stand	21.1 kg (without batteries)
Included accessories		AC adaptor, pedal (SP-3)

*1: Available only for Grand Piano and Electric Piano tones. AiR sound source is used for other tones.

Function		CDP PIANOS		
		CDP-220R	CDP-120	
Keyboard	Number of keys	88	88	
	Key action	Scaled hammer action	Scaled hammer action	
	Key surface finish	Smooth synthetic material	Smooth synthetic material	
Tones	Touch response	3 sensitivity levels, off	3 sensitivity levels, off	
	Polyphony (maximum)	48	48	
	Number of built-in tones	700 built-in tones	5 built-in tones	
		Sound source Stereo sampled piano tones	AHL (dual element) AHL (dual element)	
Digital effects	Layer/Split	Yes/Yes	Yes/-	
	Types	Reverb 10 Chorus 5 Brilliance - DSP -	10 5 - -	
	Rhythms (accompaniment)	Number of built-in rhythms	200	-
		One Touch Preset	200	-
User rhythms (rhythm editor)		10	-	
Music Presets		305	-	
Songs	Number of built-in songs	152	-	
	Demonstration-only songs	-	5	
	Song expansion (user songs)	10 songs (max.) 320 KB	-	
	Auto Harmonize		12 types	-
Arpeggiator		90 types	-	
Registration setup (presets x banks)		32 (4 x 8)	-	
Additional features	Piano/organ button	Yes	-	
	Sampling function	Yes (10 seconds max)	-	
		Sampling sound input	Microphone IN	-
	Lesson function		Step Up lesson	-
		Lesson part select	Right/left hand, both hands	-
	Recorder		6 tracks x 5 songs, 1 lesson song	-
		Approximate data capacity	up to 12,000 notes	-
	Audio recording/playback		-	-
	Duet mode		-	-
	Octave shift		±2 octaves	-
	Metronome		0, 2, 3, 4, 5, 6 beats; tempo range: 20 to 255	-
	Pedals		SP-3 (damper, assignable)	SP-3 (damper, assignable)
		Half-damper pedal operation	-	-
	Transpose		2 octaves (-12 semitones to 0 to +12 semitones)	2 octaves (-12 semitones to 0 to +12 semitones)
	Tuning control		A4 = 415.5Hz to 440.0Hz to 465.9Hz	A4 = 415.5Hz to 440.0Hz to 465.9Hz
	Scale function		17 preset scales	-
	Pitch Bend wheel		Yes	-
SD memory card slot		SD or SDHC memory card, 2 GB to 32 GB	-	
Display		LCD with backlit	-	
MIDI		Yes (GM level 1 compatible)	Yes	
Connectivity and storage		Phones	1 stereo standard jack	
		Pedal	1 standard jack	
		Connector for 3-pedal unit	-	
		Line OUT	-	
		Audio IN	Stereo mini jack	
		Microphone IN	Standard jack	
		MIDI	-	
		USB (MIDI)	Yes	
	Speakers and amplifiers	Speakers	Size 12 cm x 6 cm x 2	12 cm x 6 cm x 2
			2-way 4-speakers	-
Size	Amplification	2 x 8 W	2 x 8 W	
	Dimensions (w x d x h)	1,322 x 286 x 129 mm (w/o music stand)	1,322 x 286 x 129 mm (w/o music stand)	
	with optional stand	1,322 x 373 x 753 mm	1,322 x 373 x 753 mm	
Weight	Weight	12.0 kg (w/o music stand)	11.4 kg (w/o music stand)	
	with optional stand	19.9 kg	19.3 kg	
Accessories	Included accessories	AC adaptor (AD-A12150LW), pedal SP-3 score book, music stand	AC adaptor (AD-A12150LW), pedal SP-3 score book, music stand	
	Optional	Stand CS-44P, pedal SP-20	Stand CS-44P, pedal SP-20	

Function		SYNTHESIZER	
		XW-P1	XW-G1
Keys	Number, type	61, piano-style	
	Touch response	2 sensitivity levels, off	
Sound source		HPSS (Hybrid Processing Sound Source)	
Polyphony (max)		64	
Synthesis	Oscillator blocks	6 (2 virtual analog, 2 PCM, 1 external, 1 noise)	
	Synth block OSC 1/2	311 Synthesizer waves	766 Synthesizer waves
	PCM block OSC 3/4	2158 PCM waves	2046 PCM waves
	Filter	6 OSC, 1 Master	
	Envelope generators	20	
	LFO	2	
Tones	Solo-Synthesizer	100 preset, 100 user	
	Hex-Layer	50 preset, 50 user	-
	Drawbar Organ	50 preset, 50 user	-
	PCM-melody	400 preset, 100 user	300 preset, 100 user
	PCM-drums	20 preset, 10 user	
	Performance mode	100 preset, 100 user	
Performance functions	Zones	4	
	Multifunctional keys	-	25
Effects	Reverb/chorus	Yes/Yes	
	Master EQ	4-bands	
	DSP	53 types, 100 preset, 100 user	
	Sequences	100 preset, 100 user	
Step Sequencer	Pattern	8	
	Tracks	9 (8 monophonic, 1 polyphonic, 4 controller)	
	Chains	100 user	
	Steps (max)	16 steps	
Phrase Sequencer	Phrases	100 preset, 100 user	
	Playback	One-time, loop	
	Overdubbing	Yes	
Arpeggiator		100 preset, 100 user	
Sample Looper	Samples/waves	-	10 user
	Sampling frequency	-	42/21 kHz
	Channels	-	Stereo/monoaural
	Quantization	-	16 Bit
Mixer		16 internal, 1 external, 1 master	
Other functions	Transpose	±1 octave (-12 to 0 to +12 semitones)	
	Octave shift	±3 octaves	
	Tuning	A4 = 415.5 - 440.0 - 465.9 Hz	
	MIDI	16 part multi timbral, GM level 1 standard	
Controller	Wheels	Pitch-bender, modulation	
	Slider	9	
	Assignable knobs	4	
	Dial/data-entry-wheel	1	
	Display		Full-dot LCD with backlit
Demo songs		3	
SD memory cards	Types	SD- oder SDHC-memory cards up to 32 GB	
Terminals	USB port	Typ B (to host)	
	MIDI	IN, OUT	
	Sustain/assignable jack	Standard jack	
	Headphones	Stereo standard jack	
	Line OUT	R & L/Mono standard jack	
	Audio IN	output impedance 2.3 kΩ, output voltage 1,7 V (rms) max.	
	Instrument IN	Stereo mini jack input impedance 9 kΩ, input sensitivity 200 mV	
	Microphone IN	Standard jack input impedance 9 kΩ, input sensitivity 200 mV	
	Batteries	6 D-size zinc-carbon or alkaline batteries	
	Batterie life	Approximately 35 hours	
	AC adaptor	AD-E95100L	
Auto-Off function	Yes (on/off)		
DC input	9.5 V DC voltage		
Input power	9.5 V = 4 W		
Size	Dimensions (w x d x h)	948 x 348 x 124 mm	
Weight	w/o batteries	5.4 kg	

Accessories



CS-67PWE
Optional stand in white for PX-350MWE and PX-150WE



CS-67PBK
Optional stand in black for PX-350MBK, PX-150BK and PX-A100



CS-44P
Optional stand in black for CDP-120 and CDP-220R



SP-33
Optional 3-pedal bar for PX-350M, PX-150 and PX-A100



SP-20
Optional damper pedal



SP-3
Optional damper pedal



AD-E95100
Optional power adapter (9.5 volt) for SA models, CTK-240, CTK-1100

Function	HIGH GRADE				ORIENTAL	
	WK-7600	CTK-7200	WK-6600	CTK-6200/CTK-6250	AT-5	AT-3
Keys	Number, type 76, piano style	61, piano style	76, piano style	61, piano style	76, piano style	61, piano style
	Touch response	2 sensitivity levels, off				
Sound source	AHL (tri-element)	AHL (tri-element)	AHL (dual element)	AHL (dual element)	AHL (tri-element)	AHL (tri-element)
Polyphony (maximum)	64	64	48	48	64	64
Tones	Built-in tones 820	820	700	700	800 (54 oriental tones)	800 (54 oriental tones)
	Stereo sampled piano tones	Yes	Yes	Yes	Yes	Yes
	User tones	100 (tone editor)	100 (tone editor)	10 (tone editor)	10 (tone editor)	100 (tone editor)
Drawbar Organ function	Number of drawbars 9	9				
	Preset Drawbar Organ tones	50 (included in 820 built-in tones)	50 (included in 800 built-in tones)			
	User Drawbar Organ tones	50	50			
	Percussion	Second/third	Second/third			
	Click	On/off	On/off			
	Rotary effect	Fast/slow (DSP)	Fast/slow (DSP)			
Digital effects	Reverb	10 types				
	Chorus	5 types				
	DSP	100 preset, 100 user				
Rhythms	Built-in rhythms	260	260	210	210	250 (83 oriental rhythms)
	User rhythms	100 (Pattern Sequencer)	100 (Pattern Sequencer)	10 (Rhythm Editor)	10 (Rhythm Editor)	100 (Pattern Sequencer)
Accompaniment	5 types	5 types	5 types	5 types	5 types	5 types
	Controllers	Start/stop, intro, normal/fill-in, variation/fill-in, synchro/ending				
Pattern sequencer	Yes	Yes	-	-	Yes	Yes
Rhythm editor	-	-	Yes	Yes	-	-
Song sequencer	17 tracks x 5 songs	17 tracks x 5 songs	17 tracks x 5 songs	17 tracks x 5 songs	17 tracks x 5 songs	17 tracks x 5 songs
	Approximate capacity	30,000 notes	30,000 notes	12,000 notes	12,000 notes	30,000 notes
	Punch-in/-out	Yes	Yes	-	-	Yes
	Song controller	Play/stop, fast forward/backward, pause, repeat				
Metronome	0, 2, 3, 4, 5, 6 beats; tempo range: 30 to 255	0, 2, 3, 4, 5, 6 beats; tempo range: 30 to 255	0, 2, 3, 4, 5, 6 beats; tempo range: 30 to 255	0, 2, 3, 4, 5, 6 beats; tempo range: 30 to 255	0, 2, 3, 4, 5, 6 beats; tempo range: 30 to 255	0, 2, 3, 4, 5, 6 beats; tempo range: 30 to 255
Audio recording/playback	Yes	Yes	-	-	Yes	Yes
	Recording capacity	Up to 20 songs x 13 minutes	Up to 20 songs x 13 minutes	-	-	Up to 5 songs x 13 minutes
	Requirement	SD or SDHC memory card	SD or SDHC memory card	-	-	SD or SDHC memory card
Mixer	32 channels + external input	32 channels + external input	32 channels + external input	32 channels	32 channels + external input	32 channels + external input
Registration setups (presets x banks)	96 (6 x 16)	96 (6 x 16)	32 (4 x 8)	32 (4 x 8)	96 (6 x 16)	96 (6 x 16)
Music presets	305	305	305	305	305	305
	User presets	100	100	50	50	100
One touch preset	260	260	200	200	250	250
Auto Harmonize	12 types	12 types	12 types	12 types	12 types	12 types
Arpeggiator	150 types	150 types	150 types	150 types	150 types	150 types
Scale function	17 preset scales	17 preset scales	17 preset scales	17 preset scales	17 preset scales	17 preset scales
	Scale fine tune	± 99 cents				
	Scale memories	-	-	-	4	4
Octave shift	± 2 octaves	± 2 octaves	± 2 octaves	± 2 octaves	± 2 octaves	± 2 octaves
Layer/Split	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes
Transpose	± 1 octave (-12 to +12 semitones)	± 1 octave (-12 to +12 semitones)	± 1 octave (-12 to +12 semitones)	± 1 octave (-12 to +12 semitones)	± 1 octave (-12 to +12 semitones)	± 1 octave (-12 to +12 semitones)
Tuning control	A4 = 415.5 to 440.0 to 456.9Hz	A4 = 415.5 to 440.0 to 456.9Hz	A4 = 415.5 to 440.0 to 456.9Hz	A4 = 415.5 to 440.0 to 456.9Hz	A4 = 415.5 to 440.0 to 456.9Hz	A4 = 415.5 to 440.0 to 456.9Hz
Pitch bend wheel	Pitch Bend range: 0 to 12 semitones	Pitch Bend range: 0 to 12 semitones	Pitch Bend range: 0 to 12 semitones	Pitch Bend range: 0 to 12 semitones	Pitch Bend range: 0 to 12 semitones	Pitch Bend range: 0 to 12 semitones
Modulation button	Yes	Yes	-	-	Yes	Yes
Sliders	9	9	-	-	-	-
Dial/data entry wheel	Yes	Yes	Yes	Yes	Yes	Yes
Display	LCD with backlight	LCD with backlight	LCD with backlight	LCD with backlight	LCD with backlight	LCD with backlight
MIDI	16 part multi timbral, GM level 1 standard	16 part multi timbral, GM level 1 standard	16 part multi timbral, GM level 1 standard	16 part multi timbral, GM level 1 standard	16 part multi timbral, GM level 1 standard	16 part multi timbral, GM level 1 standard
SD memory card slot	SD or SDHC memory card, 2 GB to 32 GB	SD or SDHC memory card, 2 GB to 32 GB	SD or SDHC memory card, up to 32 GB	SD or SDHC memory card, up to 32 GB	SD or SDHC memory card, up to 32 GB	SD or SDHC memory card, up to 32 GB
Terminals	Phones 1, stereo standard jack	1, stereo standard jack	1, stereo standard jack	1, stereo standard jack	1, stereo standard jack	1, stereo standard jack
	Line OUT 2 (L / MONO, R), standard jack	2 (L / MONO, R), standard jack	2 (L / MONO, R), standard jack	2 (L / MONO, R), standard jack	2 (L / MONO, R), standard jack	2 (L / MONO, R), standard jack
	Instrument IN 1, standard jack	1, standard jack	-	-	1, standard jack	1, standard jack
	Microphone IN 1, standard jack	1, standard jack	1, standard jack	1, standard jack	1, standard jack	1, standard jack
	Audio IN 1, stereo mini jack	1, stereo mini jack	1, stereo mini jack	1, stereo mini jack	1, stereo mini jack	1, stereo mini jack
	Pedal 1, standard jack	1, standard jack	1, standard jack	1, standard jack	1, standard jack	1, standard jack
	USB (MIDI) Yes	Yes	Yes	Yes	Yes	Yes
Speakers	Size 12 cm x 2 + 3 cm x 2	12 cm x 2 + 3 cm x 2	12 cm x 2 + 3 cm x 2	12 cm x 2 + 3 cm x 2	12 cm x 2 + 3 cm x 2	12 cm x 2 + 3 cm x 2
	Bass-reflex system Yes	Yes	Yes	Yes	Yes	Yes
	Speaker on/off Yes	Yes	Yes	Yes	Yes	Yes
	Amplifier 2 x 7 W	2 x 7 W	2 x 6 W	2 x 6 W	2 x 7 W	2 x 7 W
Power supply	Batteries 6 x size D	6 x size D	6 x size D	6 x size D	6 x size D	6 x size D
	AC adaptor AD-A12150LW	AD-A12150LW	AD-A12150LW	AD-A12150LW	AD-A12150LW	AD-A12150LW
Size	Dimensions (w x d x h)	1,161 x 385 x 147 mm	948 x 384 x 122 mm	1,161 x 385 x 147 mm	948 x 384 x 122 mm	1,187 x 399 x 149 mm
Weight	(w/o batteries)	8.3 kg	6.7 kg	7.2 kg	5.7 kg	8.9 kg
Accessories	included AC adaptor (AD-A12150LW), music stand	AC adaptor (AD-A12150LW), music stand	AC adaptor (AD-A12150LW), music stand	AC adaptor (AD-A12150LW), music stand	AC adaptor (AD-A12150LW), music stand	AC adaptor (AD-A12150LW), music stand
	optional Pedal SP-20, SP-3	Pedal SP-20, SP-3	Pedal SP-20, SP-3	Pedal SP-20, SP-3	Pedal SP-20, SP-3	Pedal SP-20, SP-3

Function		STANDARD					
		WK-220	CTK-4200	CTK-3200	CTK-2200	CTK-1100	CTK-240
Keys	Number, type	76, piano style	61, piano style	61, piano style	61, piano style	61, piano style	49, standard
	Touch response	2 sensitivity levels, off	2 sensitivity levels, off	2 sensitivity levels, off	-	-	-
Polyphony (maximum)		48	48	48	48	12	12
Built-in tones	Number	600 (AHL)	600 (AHL)	400 (AHL)	400 (AHL)	100	100
	Stereo piano tones	Yes (stereo sampled)	Yes (stereo sampled)	Yes	Yes	-	-
Built-in rhythms (accompaniment)	Number	180	180	150	150	100	100
	User rhythms (rhythm editor)	10	10	-	-	-	-
Music presets		305	305	-	-	-	-
One touch presets		180	180	150	150	-	-
Scale function presets		17	17	-	-	-	-
Digital effects	Reverb	10	10	10	10	-	-
	Chorus	5	5	-	-	-	-
Registration setups (presets x banks)		32 (4 x 8)	32 (4 x 8)	-	-	-	-
Sampling		5 sounds + 3 drumsets	5 sounds + 3 drumsets	3 sounds	3 sounds	-	-
	Sampling capacity (max)	10 seconds	10 seconds	1 second	1 second	-	-
	Sampling sound input	Audio IN, Microphone IN	Audio IN	Audio IN	Audio IN	-	-
Songs	Built-in	152	152	110	110	50	50
	Expansion (max)	10	10	-	-	-	-
	Expansion memory capacity	320 KB	320 KB	-	-	-	-
Lesson function		Step Up lesson	Step Up lesson	Step Up lesson	Step Up lesson	Yes	Yes
	Lesson part select	Right/left hand, both hands	Right/left hand, both hands	Right/left hand, both hands	Right/left hand, both hands	Melody off	Melody off
Song recorder		6 tracks x 5 songs, 1 lesson song ca. 12,000 notes	6 tracks x 5 songs, 1 lesson song ca. 12,000 notes	-	-	-	-
Metronome		Yes	Yes	Yes	Yes	-	-
Auto Harmonize		12 types	12 types	-	-	-	-
Arpeggiator		90 types	90 types	-	-	-	-
Layer/Split		Yes/Yes	Yes/Yes	-	-	-	-
Transpose/fine tune		Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes
Pitch bend wheel		-	-	Ja	-	-	-
Display		LCD with backlight	LCD with backlight	LCD	LCD	LCD	LCD
General MIDI		Yes	Yes	Yes	Yes	-	-
SD-memory card slot		-	-	-	-	-	-
Other features		Chord book, piano/organ button, Music Challenge	Chord book, piano/organ button	5 Voice-Pads	5 Voice-Pads	-	-
Terminals	Headphones	Stereo mini jack	Stereo mini jack	Stereo mini jack	Stereo mini jack	Stereo mini jack	Stereo mini jack
	Pedal (Damper)	Standard jack	Standard jack	Standard jack	Standard jack	-	-
	Audio IN	Stereo mini jack	Stereo mini jack	Stereo mini jack	Stereo mini jack	-	-
	Microphone IN	Standard jack	-	-	-	-	-
	USB (MIDI)	Yes	Yes	Yes	Yes	-	-
Speakers	Size	12 cm x 2	12 cm x 2	10 cm x 2	10 cm x 2	10 cm x 2	10 cm x 2
	Amplification	2 x 2,5 W	2 x 2,5 W	2 x 2 W	2 x 2 W	2 x 2 W	2 x 1,6 W
Power supply	Battery	6 x size D	6 x size D	6 x size AA	6 x size AA	6 x size AA	6 x size AA
	AC adaptor	AD-E95100	AD-E95100	AD-E95100	AD-E95100	AD-E95100	AD-E95100
Size	Dimensions (w x d x h)	1.161 x 385 x 134 mm	948 x 350 x 103 mm	946 x 307 x 92 mm	946 x 307 x 92 mm	949 x 304 x 93 mm	914 x 237 x 75 mm
Weight	w/o batteries	6.9 kg	4.3 kg	3.5 kg	3.4 kg	3.3 kg	2.8 kg
Accessories	included	Song book, music stand, AC adaptor AD-E95100	Song book, music stand, AC adaptor AD-E95100	Song book, music stand, AC adaptor AD-E95100	Song book, music stand, AC adaptor AD-E95100	Song book, music stand	Song book, music stand
	optional	Damper pedal SP-3/SP-20, keyboard stand MK1	Damper pedal SP-3/SP-20, keyboard stand MK1	Damper pedal SP-3/SP-20, keyboard stand MK1	Damper pedal SP-3/SP-20, keyboard stand MK1	AC adaptor AD-E95100, keyboard stand MK1	AC adaptor AD-E95100, keyboard stand MK1

Function		LIGHTED KEYS			MINI	
		LK-280	LK-240/LK-247	LK-120/LK-127	SA-76/SA-77/SA-78	SA-46/SA-47
Keys	Number, type	61, piano style	61, piano style	61, piano style	44, mini	32, mini
	Touch response	2 sensitivity levels, off	2 sensitivity levels, off	-	-	-
	Key Lighting	Yes (on/off)	Yes (on/off)	Yes (on/off)	-	-
Polyphony (maximum)		48	48	12	8	8
Built-in tones	Number	600 (AHL)	400 (AHL)	100	100	100
	Stereo piano tones	Yes (stereo sampled)	Yes	-	-	-
Built-in rhythms (accompaniment)	Number	180	150	50	50	50
	User rhythms (rhythm editor)	-	-	-	-	-
Music Presets		305	-	-	-	-
One Touch Presets		180	150	-	-	-
Scale function presets		17	-	-	-	-
Digital effects	Reverb	10	10	-	-	-
	Chorus	5	-	-	-	-
Registration setups (presets x banks)		-	-	-	-	-
Sampling		5 sounds + 3 drum sets	3 sounds	-	-	-
	Sampling capacity (max)	10 seconds	1 second	-	-	-
	Sampling sound input	Audio IN, Microphone IN	Audio IN, Microphone IN	-	-	-
Songs	Built-in	152	110	100	10	10
	Expansion (max)	10	-	-	-	-
	Expansion memory capacity	320 KB	-	-	-	-
Lesson function		Step Up lesson	Step Up lesson	3 step lesson	Yes	Yes
	Lesson part select	Right/left hand, both hands	Right/left hand, both hands	Right/left hand	Melody off	Melody off
Song recorder		6 tracks x 5 songs, 1 lesson song ca. 12.000 notes	-	-	-	-
Metronome		Yes	Yes	-	-	-
Auto Harmonize		12 types	-	-	-	-
Arpeggiator		90 types	-	-	-	-
Layer/Split		Yes/Yes	-	-	-	-
Transpose/fine tune		Yes/Yes	Yes/Yes	Yes/Yes	-/Yes	-/Yes
Pitch Bend wheel		-	-	-	-	-
Display		LCD	LCD	LCD	LCD	LCD
General MIDI		Yes	Yes	-	-	-
SD-memory card slot		Yes (SD/SDHC up to 32 GB)	-	-	-	-
Other features		Chord book, piano/organ button, Music Challenge	5 voice Pads	-	5 drum pads, SA-76: piano/organ button SA-77, SA-78: piano/harmonium organ button	5 drum pads, SA-46: piano/organ button SA-47: piano/harmonium organ button
Terminals	Headphones	Stereo mini jack	Stereo mini jack	Stereo mini jack	Stereo mini jack	Stereo mini jack
	Pedal (Damper)	Standard jack	Standard jack	-	-	-
	Audio IN	Stereo mini jack	Stereo mini jack	-	-	-
	Microphone IN	Standard jack	Standard jack	-	-	-
	USB (MIDI)	Yes	Yes	-	-	-
Speakers	Size	12 cm x 2	10 cm x 2	10 cm x 2	8 cm x 2	8 cm x 2
	Amplification	2 x 2,5 W	2 x 2 W	2 x 2 W	2 x 0,8 W	2 x 0,5 W
Power supply	Battery	6 x size D	6 x size AA	6 x size AA	6 x size AA	6 x size AA
	AC adaptor	AD-E95100	AD-E95100	AD-E95100	AD-E95100	AD-E95100
Size	Dimensions (w x d x h)	948 x 350 x 103 mm	946 x 307 x 92 mm	949 x 304 x 93 mm	604 x 211 x 57 mm	446 x 208 x 51 mm
Weight	w/o batteries	4.5 kg	3.6 kg	3.4 kg	1.4 kg	1.0 kg
Accessories	included	Microphone, song book, music stand, AC adaptor AD-E95100	Microphone, song book, music stand, AC adaptor AD-E95100	Song book, music stand	-	-
	optional	Damper pedal SP-3/SP-20, keyboard stand MK1	Damper pedal SP-3/SP-20, keyboard stand MK1	AC adaptor AD-E95100 keyboard stand MK1	AC adaptor AD-E95100	AC adaptor AD-E95100

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