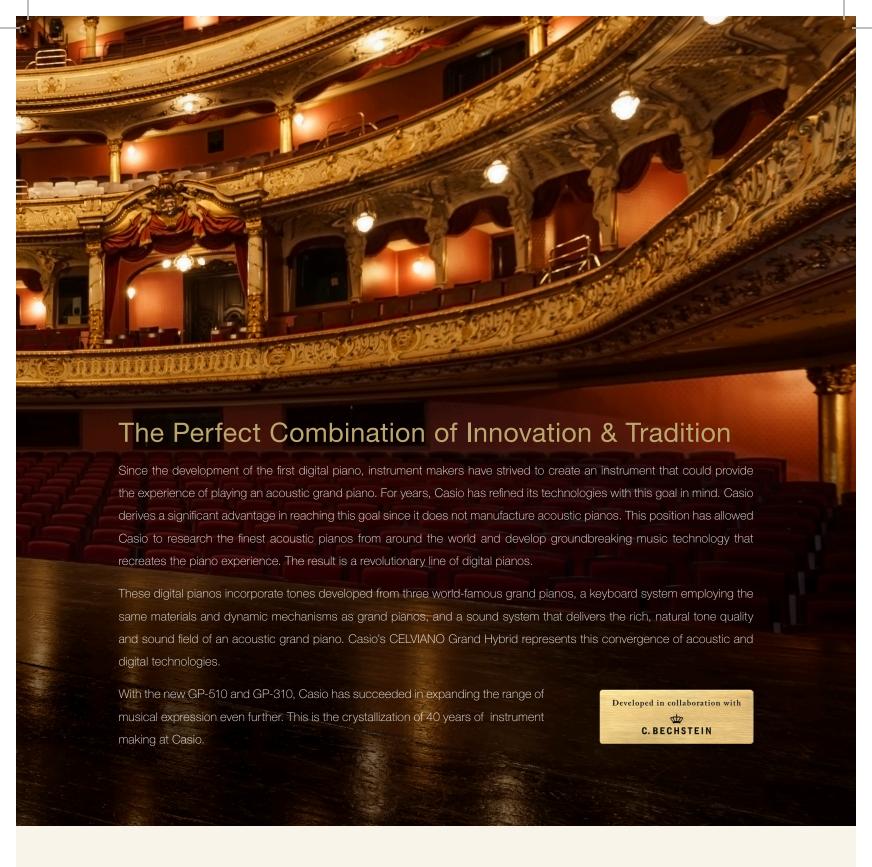


CELVIANO Grand Hybrid

Anniversary
CASIO Electronic Musical Instruments
since 1980





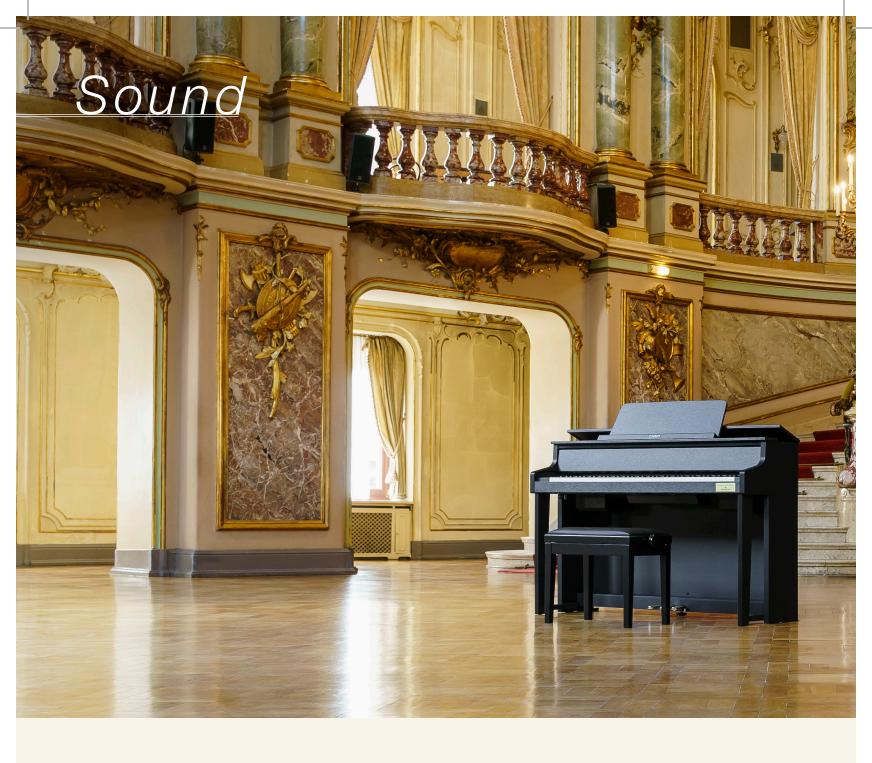
GP-510 Polished Black



GP-310 Satin Black

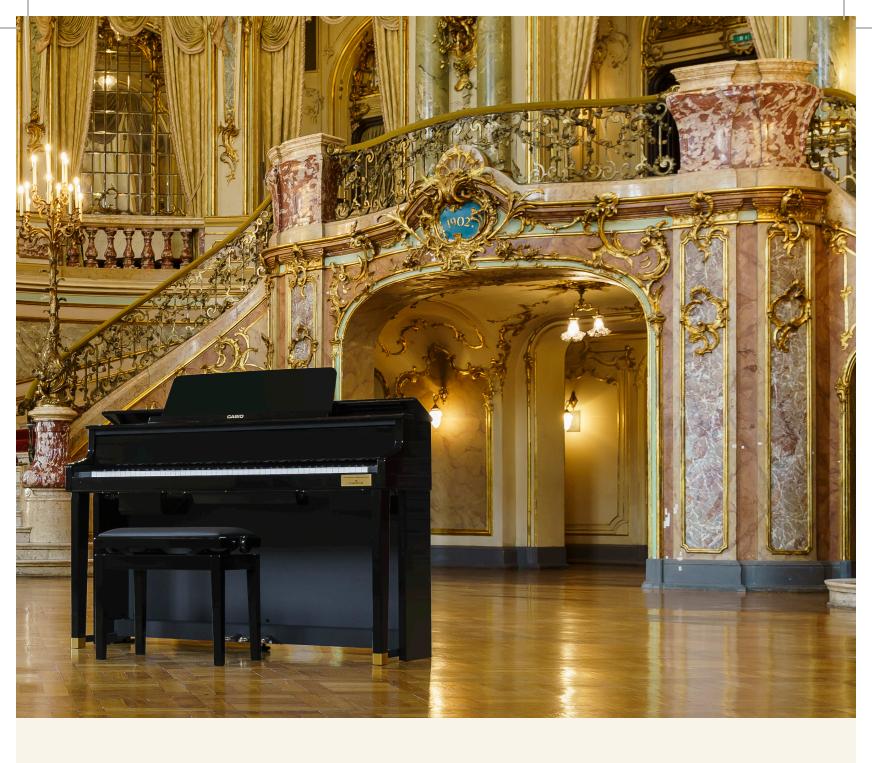


GP-310 Natural White Wood



Three Legendary Pianos Their individual character and tone faithfully recreated

CELVIANO Grand Hybrid reproduces even the subtle nuances of the world's most respected pianos. Three pianos that originate in Berlin, Hamburg and Vienna were chosen for this project. Casio has painstakingly researched and analyzed the unique characteristics of each piano. CELVIANO Grand Hybrid delivers brilliant sound of these pianos reproduced with Casio's advanced technology. It will provide the experience of owning three of the finest pianos on earth.





Berlin

[Berlin Grand]

A balanced, elegant sound. Ideal for playing impressionistic music. Notable for its clear, ringing tone across the entire range.



Hamburg

[Hamburg Grand]

A brilliant, rich sound. Loved by pianists for its wide range of expression. Well suited for various playing styles and genres.



Vienna

[Vienna Grand]

Noted for its impressive low range. Great for both soft and vigorous playing with its warm tone. An ideal instrument for music from the classical period.

Sound **CASIO** C. BECHSTEIN

Superior sound and a professional touch. We believe we have crafted a sensational digital piano we can be very proud of.

"Casio is a very successful company in the field of electronic musical instruments. C. Bechstein is Europe's most important maker of high-end acoustic grand and upright pianos, with more than 160 years' history and expertise in traditional craftsmanship. With their rich and noble tone, providing a wide range of tone colors and their professional and elegant touch, C. Bechstein pianos have continued to inspire and delight music lovers and famous artists around the world. We are confident that these two companies, by collaborating in a partnership that draws on their mutual experience, can create new digital pianos unlike anything we have seen before. For this project, we developed the tone colors for the CELVIANO Grand Hybrid "Berlin Grand" based on sampling of a C. Bechstein concert grand piano. At the same time, we focused our efforts on also achieving an excellent key action. Through this collaboration between Casio and C. Bechstein, we believe we can take pride in having created a very competitive digital piano with excellent sound and a professional touch."



Werner Albrecht, CTO and Master Piano Maker (Klavierbaumeister) at C. Bechstein

Collaborative Sound Development

The Berlin Grand sound was developed in collaboration with C. Bechstein.

Casio sought a clear, balanced and elegant sound for CELVIANO Grand Hybrid.

The D282, C. Bechstein's ultimate masterpiece, is the model

Casio intensively studied to achieve the goal.

Mr. Albrecht, CTO and Master Piano Maker at C. Bechstein, visited Casio R&D to supervise the sound development process through the final modification.





About C. Bechstein

Since Carl Bechstein founded the Pianoforte production facility in Berlin in 1853, the name C. Bechstein has stood for the highest class of upright and grand pianos. C. Bechstein pianos have been appreciated by many famous composers and artists for their finest quality of sound and touch for many years. In the 21st century, C. Bechstein is still recognized as one of the world's leading piano manufacturers.

Getting ever closer to perfection in collaboration with C. Bechstein. There was no compromise in our development process to evolve the distinctive character of the CELVIANO Grand Hybrid.

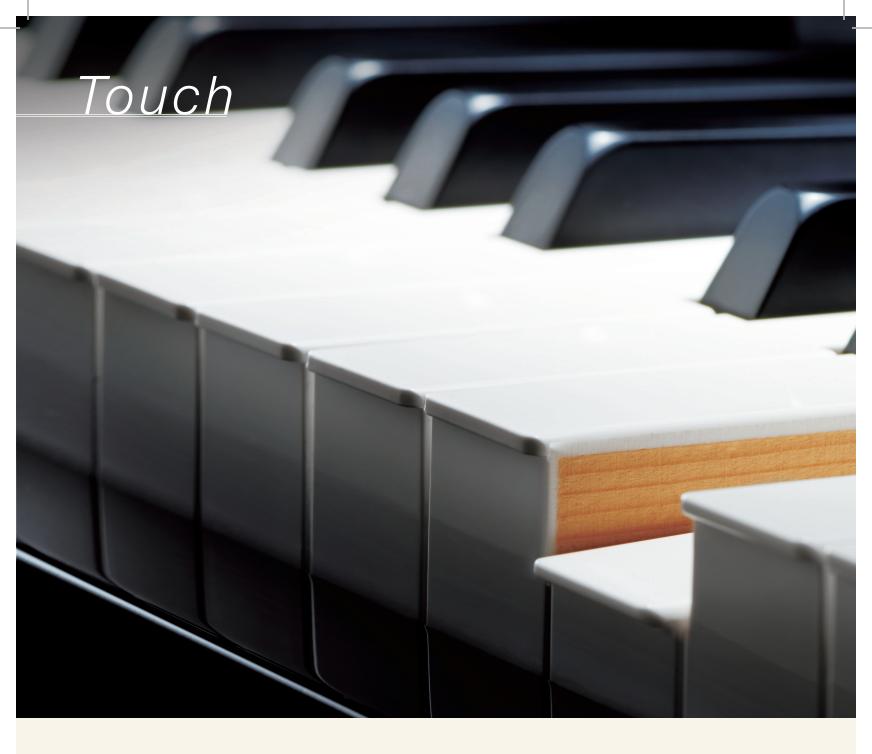
"The collaboration with C. Bechstein gave Casio an opportunity to discover the true beauty of traditional grand pianos. With greater understanding of their fundamental elements, we modified our approach to develop new instruments that are evolutionary steps forward from other digital pianos. In this challenging work, we experienced immensely exciting moments with many discussions. As the sound was expected to be perfect, we focused not only on the tone of each individual note but also reverberation in actual musical performances. After developing higher quality keys, we worked to create a mechanism that responds to the subtle nuances of a player's touch. The superior feel of CELVIANO Grand Hybrid is the result of our work with a persistent attitude without compromise.

We are proud of the high praise that CELVIANO Grand Hybrid has earned from so many people, but we weren't yet satisfied with what we'd achieved and have further refined these qualities in the development of GP-510BP and GP-310BK/WE. We hope everyone can try CELVIANO Grand Hybrid and enjoy the experience."



Naoaki Ito, Sound Desianer at Casic

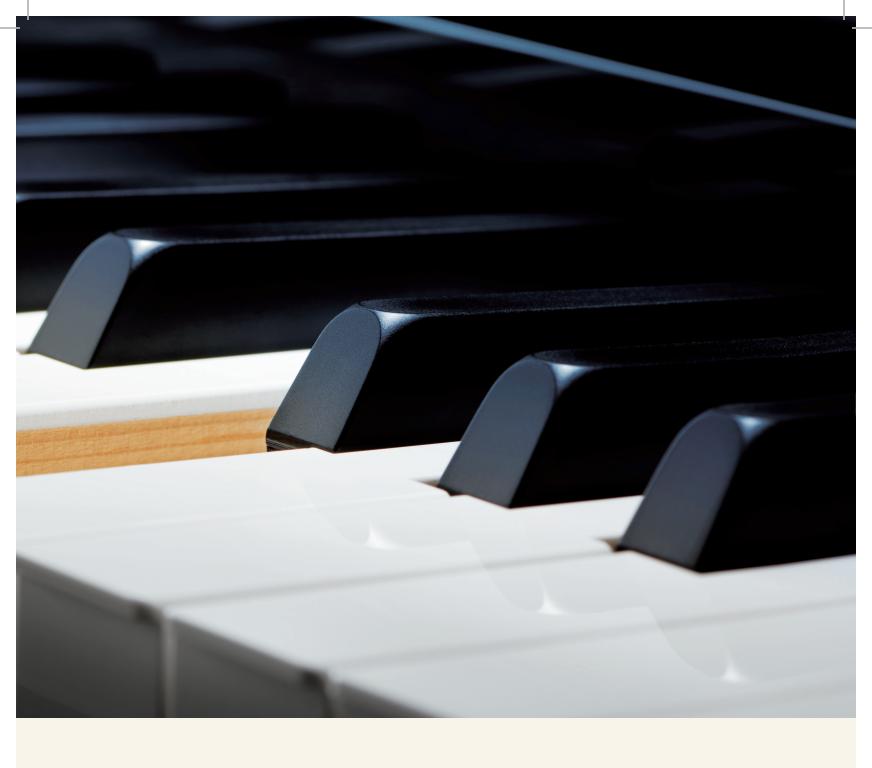
"

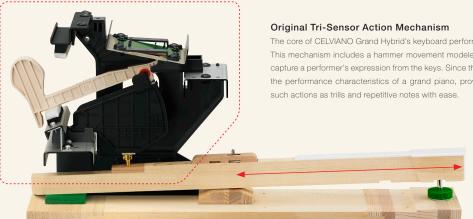


Your Performance Demands Authenticity It begins at the first touch

The player's movement is transformed into music with many important factors. The most tangible factor is the keys. CELVIANO Grand Hybrid delivers authenticity from the first touch.

The revolutionary Natural Grand Hammer Action keyboard is made with high-quality wooden keys. Its mechanism incorporates a hammer action that follows the same path of motion as in a grand piano. When the lid is lifted, you can see the hammers in motion through a clear panel as you play. Going beyond a standard acoustic mechanism, this action allows faster note repetition than acoustic pianos, while maintaining a true piano touch.





The core of CELVIANO Grand Hybrid's keyboard performance is created by Casio's proprietary action mechanism. This mechanism includes a hammer movement modeled from a grand piano and three sensors, which accurately capture a performer's expression from the keys. Since there are no physical strings, Casio's action is able to exceed the performance characteristics of a grand piano, providing superior playability that enables pianists to perform such actions as trills and repetitive notes with ease.

Fulcrum Distance From Keys

The position of the fulcrum with respect to the keys is exactly the same as with a grand piano. This contributes to stable playing performance, since the touch is never heavier or lighter depending on the position at which a finger strikes a key.

GP-510

- Polished Black
- Natural Grand Hammer Action Keyboard
- Grand Acoustic System
- Grand Pedal System
- Adjustable Lid Position





GP-310

- Satin Black (GP-310BK)
- Natural White Wood (GP-310WE)
- Natural Grand Hammer Action Keyboard
- Grand Acoustic System
- Grand Pedal System
- Adjustable Lid Position



Sound

AiR Grand Sound Source



More natural sustain for more beautiful chord resonance. More sensitive expressiveness for pianissimo sounds, especially when playing extremely softly. The new GP-510 and GP-310 incorporate the evolved AiR Grand Sound Source, a system using Casio's state-of-the-art sound technologies. It includes many impressive features. Multi-dimensional Morphing delivers smooth changes between soft and strong playing. Acoustic Simulator produces sound characteristics like that of a grand piano. The authenticity generated by the AiR Grand Sound Source ensures a pure piano experience.

Acoustic Simulator

[Resonance System]

The various types of resonance in a grand piano are crucial to the playing experience. The CELVIANO Grand Hybrid incorporates String Resonance, which exposes the harmonic relationships between various strings when keys are struck. Also Damper Resonance reproduces the resonance occurring when a damper pedal is pressed. The GP-510 is equipped with Open String Resonance and Aliquot Resonance functions for enhanced realism. Casio's Resonance System reproduces the resonance of both the strings and sound board of a grand piano by selecting, controlling and synthesizing according to performance conditions.



Damper Resonance

Open String Resonance

Aliquot Resonance

Note: Open String and Aliquot Resonance GP-510 only

[Hardware Resonator]

The unique Hardware Resonator synthesizes Damper, Open String and Aliquot Resonances to reproduce distinctive, individual sounds for all the respective 88 keys.

[Action Sound System]

A grand piano also generates several types of mechanical sounds, which are an important part of the playing experience. Casio has sought to provide a more realistic simulation by reproducing the sounds of these mechanisms. Four types of operating sounds are included, and the volume of each can be set independently or turned off.

Note: Damper Noise, Key On Action Noise and Key Off Action Noise are incorporated in GP-510 and GP-310. Pedal Action Noise is incorporated in GP-510 only.

[Key Off Simulator]

The lengths of the lingering sounds produced by a grand piano vary depending on the speed at which players release their fingers after pressing the keys. In a similar fashion, Casio's Key Off Simulator controls the length of these sounds based on the key's release speed and delivers a natural decay of the sound. This enables players to express delicate nuances when playing staccato and legato.

[Hammer Response]

The timing of a grand piano's sound varies subtly depending on which keys are being played, even when the keys are struck with the same force. To achieve optimal authenticity, Casio has installed appropriate settings for each of the three grand piano tones. The sound production timing can also be adjusted to suit the player.



Grand Pedal System

By continuously sensing and detecting the position of the damper pedal, Casio's Grand Pedal System enables fine-tuning of the damping volume and note length depending on the degree of pedal depression. In addition, the Half Pedal Position function permits adjustment of the depression position at which the damping effect comes into play according to the player's preference. For performances which utilize the soft pedal, the change in volume and characteristics of sound is extremely natural where the player can enjoy a wide range of expression when playing softly. The Action Sound System's Damper Noise and Pedal Action Noise features reproduce even subtle operating sounds like those experienced with an acoustic grand piano.

Note: Pedal Action Noise GP-510 only

Grand Acoustic System

More powerful, dynamic playing expression from lows to mids to highs, thanks to the superlative sound delivered by an upgraded downward-facing main speaker, with especially improved bass. Casio has developed a new dedicated speaker system for the CELVIANO Grand Hybrid that reproduces the characteristics of sound emanating upwards and downwards from an acoustic grand piano. This enables powerful and dynamic expression from rich, stately bass to bright mid-to-high sounds. The four-channel audio system incorporates six speakers, carefully positioned in a structural design that releases sound outward from the interior of the body. The system delivers the same sound field experience a player would enjoy while playing an acoustic grand piano.

Adjustable Lid Position

The CELVIANO Grand Hybrid's design includes a top panel that can be manually raised and lowered. The lid's position not only physically affects the sound coming from the upper speakers, but also works in conjunction with the "Lid Position" setting to accurately duplicate the characteristics of the adjustable lid on an acoustic grand piano.



Lid Simulator

The volume and timbre of sound produced by a grand piano change depending on the degree to which the lid is open or closed. The Lid Simulator simulates these acoustic effects digitally. Pianists can select among four settings for opening and closing stages and enjoy playing music with the piano sound effect of their choice.



Note: The Lid Simulator's setting value remains unchanged, regardless of whether the piano's top board is open or closed.

Hall Simulator & Listening Position

Twelve types of Hall Simulator are included, each one based on careful analysis of the acoustic characteristics of a world-famous concert venue. Each space has a total of four Listening Position settings. For example, the pianist can simulate the experience of hearing the piano from a seat in the audience, as opposed to the playing position.

| HALL SIMULATOR LIST | | | | | |
|---------------------|---------------|------|------------------|--|--|
| 1 | ROOM | 7 | OPERA HALL | | |
| 2 | SALON | 8 | VIENNESE HALL | | |
| 3 | N.Y. CLUB | 9 | L.A. HALL | | |
| 4 | SCORING STAGE | (10) | BERLIN HALL | | |
| (5) | DUTCH CHURCH | (1) | FRENCH CATHEDRAL | | |
| 6 | STANDARD HALL | (12) | BRITISH STADIUM | | |

Volume Sync EQ

Volume Sync EQ is especially useful for quiet playing at home and other times when you want to keep the speaker volume low. This function balances the sound at low volumes by adjusting the sound quality in the low and high registers. The result is a constantly pleasant playing experience, no matter where the volume is set.

Headphone Mode

Headphone Mode automatically creates a spacious sonic image while wearing headphones, recreating the feeling of playing an acoustic piano. With the experience of wearing headphones significantly enhanced, pianists can enjoy playing naturally and feeling the sound field of a traditional grand piano.

Features

Concert Play

Playing with an orchestra is an extraordinarily thrilling event. The Concert Play feature demonstrates orchestral performance for a pianist to enjoy an experience of playing as a soloist accompanied by a full orchestra. 15 pieces of music are built in. When you practice, a convenient playback function offers capabilities of play, pause, fast-forward, rewind and A-B segment repeat. Using Slow Mode, the tempo of these pieces can be slowed to 80% of normal speed as needed.

| CON | ICERT PLAY PRESET LIST | |
|------|---------------------------------------|------------------|
| 1 | Piano Concerto No.1 Op.23 1st Mov. | P.I. Tchaikovsky |
| 2 | Prelude "Raindrop" | F.F. Chopin |
| 3 | Symphony No.9 "An Die Freude" | L.v. Beethoven |
| 4 | Je Te Veux | E. Satie |
| (5) | Vltava (Má vlast) | B. Smetana |
| 6 | Canon | J. Pachelbel |
| 7 | Sonate Op.13 "Pathétique" 2nd Mov. | L.v. Beethoven |
| 8 | Chanson Triste | P.I. Tchaikovsky |
| 9 | Jesus, Bleibet Meine Freude | J.S. Bach |
| 10 | Tableaux d'Une Exposition "Promenade" | M. Mussorgsky |
| (1) | Sonate K.331 1st Mov. | W.A. Mozart |
| (12) | Polovetzian Dance (Prince Igor) | A. Borodin |
| (13) | Piano Concerto No.20 K.466 2nd Mov. | W.A. Mozart |
| (14) | Violin Concerto Op.64 1st Mov. | F. Mendelssohn |
| (15) | Melody In F | A. Rubinstein |

Note: Additional pieces of music are available to enjoy with the Concert Play feature. You can download those pieces from the Internet onto USB flash drives. Visit: music.casio.com

Scene

Available with the GP-510, this feature provides the most suitable sound environment to the music performers select to play. The Scene can be created by various combinations of tones, effects and reverberation levels. 15 different Scenes were designed as preset settings according to such themes as composer, musical genre and venue. Users can also customize Scenes and register up to ten of favorite settings.

| SCENE PRESET LIST | | | |
|-------------------|------------------|----------------|---|
| | CATEGORY | TITLE | SCENE SETTING |
| 1 | | Chopin | Oriented toward performances of Chopin & representative Romantic movement music |
| 2 | | Beethoven | Oriented toward performances of Beethoven & representative Classical movement music |
| 3 | Composer | Debussy | Oriented toward performances of Debussy & representative Impressionist movement music |
| 4 | | Liszt | Oriented toward performances of Liszt & representative Transcendentalist movement music |
| (5) | | Satie | Oriented toward performances of Satie & representative Mmodern era music |
| 6 | Musical Genre | EZ Listening | Oriented toward performances of easy-listening music |
| 7 | | Jazz | Oriented toward jazz piano performances |
| 8 | | Baroque | Oriented toward performances of J.S. Bach & representative Baroque era music |
| 9 | Tones | Toccata & Fuge | Setting for music such as pipe organ performances in a cathedrals |
| 10 | | Ragtime | Oriented toward performances of ragtime music |
| 11) | | Lesson | Oriented toward performances of practice pieces |
| (12) | Place | Concert | Oriented toward concert or recital practice |
| (13) | | Listener | Oriented toward practice while confirming audibility for audience |
| 14) | Store Demo | Extreme Demo | Setting for making acoustic simulator effects conspicuous and easily accessible |
| (15) | Reset | Default | Setting of initial BERLIN GRAND tone status |

Recording Functions

[Audio Recorder]

CELVIANO Grand Hybrid pianos have the ability to record performances on USB flash memory available on the market as stereo audio files (44.1 kHz, stereo .WAV format). Recordings can be stored or played back on a computer or transferred to CDs or other media. The piano's built-in full playback function permits use of such features as pause, fast-forward, rewind and A-B segment repeat.

Note: Software available on the market may be required for producing CDs.

[MIDI Recorder]

This function enables players to record their own performances freely in the CELVIANO Grand Hybrid's memory. It helps users improve their playing skills by reviewing their own performances objectively afterwards. This full playback function permits use of such features as pause, fast-forward, rewind and A-B segment repeat during playback.

Music Library

Layer & Split

CELVIANO Grand Hybrid includes 60 piano pieces in its "Music Library." The scores for these pieces are included and CELVIANO Grand Hybrid's features are ideal for learning. Left and Right hand parts can be practiced separately. Tempo can be changed and an A-B segment repeat allows you to practice a section of the piece. Each piece has a selected preset tone but players can enjoy their own choice from the Berlin Grand, Hamburg Grand and Vienna Grand tones.

Note: Some musical scores are not published due to copyright issues.

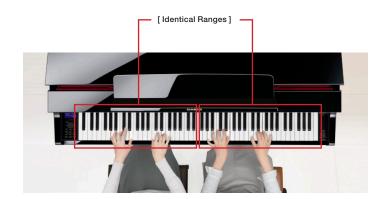
Auto Power Off

The layer function enables pianists to overlap two types of tones, while the split function lets them separate tones into lower and upper blocks.

To conserve energy, CELVIANO Grand Hybrid will automatically power off when the instrument has not been played for 4 hours.

Duet Mode

The keys to the left and right of center on the keyboard can be set to the same tonal range. This Duet Mode is convenient when two players, such as a parent and child or a teacher and student, practice together.



Comparison Chart





| AT | URES | | GP-310 | GP-510 |
|--------------|---|-------------------------------|---|--|
| | Type of Keyboard | | Natural Grand Hammer Action Keyboard | Natural Grand Hammer Action Keyboard |
| | Number of Sensors | | 3 | 3 |
| 3 | Key Material | | | |
| 200 | | White Keys | High-grade Austrian Spruce Acrylic | High-grade Austrian Spruce Acrylic |
| KEYBOARD | Key Surface Material | | | |
| | | Black Keys | Phenol | Phenol |
| | Touch Response | | 5 Sensitivity Levels (Heavy 2, Heavy 1, Normal, Light 1, Light 2) / Off | 5 Sensitivity Levels (Heavy 2, Heavy 1, Normal, Light 1, Light 2) / Off |
| | Sound Source | | AiR Grand Sound Source | AiR Grand Sound Source |
| | Multi-dimensional Morphing | | • | • |
| | Acoustic Simulator | | • | • |
| | Resonance System | String Resonance | 10 Levels / Off | 10 Levels / Offf |
| | | Damper Resonance | 10 Levels / Off | 10 Levels / Off |
| | | | | |
| SOUND SOURCE | | Open String Resonance | - | 10 Levels / Off |
| | | Aliquot Resonance | - | 10 Levels / Off |
| | Action Sound System | Damper Noise | 10 Levels / Off | 10 Levels / Off |
| | | Pedal Action Noise | - | 10 Levels / Off |
| | | Key On Action Noise | 10 Levels / Off | 10 Levels / Off |
| | | Key Off Action Noise | 10 Levels / Off | 10 Levels / Off |
| | Hammer Response | noy on readin reads | 10 Levels / Off | 10 Levels / Off |
| | | | | |
| | Key Off Simulator | | • | • |
| | Lid Simulator | | 4 Types | 4 Types |
| | Maximum Polyphony | | 256 | 256 |
| | Number of Built-in Tones | | 26 | 35 |
| | 3 Legendary Piano Tones | | • | • |
| | | | • | • |
| | Duet | | | |
| | Layer | | • | • |
| | Split | | • | • |
| | Sound System | | Grand Acoustic System | Grand Acoustic System |
| | Top Board Open / Closed | | • | • |
| | Volume Sync EQ | | 3 Levels / Off | 3 Levels / Off |
| | Headphone Mode | | • | • |
| | | | | |
| | Amplifiers | | 30 W×2 + 20 W×2 | 30 W×2 + 20 W×2 |
| | Speakers | | 6.3" × 2 (4.0"+2.0") × 2 / 3-way / 6-speakers | 6.3" × 2 (4.0"+2.0") × 2 / 3-way / 6-speakers |
| | Hall Simulator | | 12 Types | 12 Types |
| | Listening Position Settings | Player's Position | 1 Type | 1 Type |
| | | Listener's Position | 3 Types | 3 Types |
| | Chorus | Elotorior o i doldori | 4 Types | 4 Types |
| i | | | | |
| | Brilliance | | 7 Levels (-3 ~ 0 ~ +3) | 7 Levels (-3 ~ 0 ~ +3) |
| | DSP | | Preset for some Tones | Preset for some Tones |
| | Pedal System | | Grand Pedal System | Grand Pedal System |
| 1 | Number of Buil-in Pedals | | 3 (Damper, Soft, Sostenuto) | 3 (Damper, Soft, Sostenuto) |
| | Half Pedal Damper Effect | | Continuous Recognition | Continuous Recognition |
| | Half Pedal Position | | | |
| | | | 5 Levels (-2 ~ 0 ~ +2) | 5 Levels (-2 ~ 0 ~ +2) |
| | Number of Setups (Preset) | | - | 15 |
| 3 | Number of Setups (User) | | - | 10 |
| | Concert Play (Audio Song) | Number of Preset Songs | 15 | 15 |
| | | Song Expansion / Web Download | Via USB Flash Memory | Via USB Flash Memory |
| | | Playback Mode | 2 (LISTEN / PLAY) | 2 (LISTEN / PLAY) |
| | | | | |
| | | Controller | PLAY/PAUSE / FF / REW / REPEAT / TEMPO DOWN (80% of normal tempo) | PLAY/PAUSE / FF / REW / REPEAT / TEMPO DOWN (80% of normal temporal tempora |
| | Music Library (MIDI Song) | Number of Preset Songs | 60 | 60 |
| | | Number of User Songs | 10 / Approx. 900KB / Up to approx. 90KB/song | 10 / Approx. 900KB / Up to approx. 90KB/song |
| | | Lesson Function | Right Hand Off / Left Hand Off | Right Hand Off / Left Hand Off |
| | | Controller | PLAY/PAUSE / FF / REW / REPEAT / TEMPO CHANGE | PLAY/PAUSE / FF / REW / REPEAT / TEMPO CHANGE |
| | Grand Piano Tone Demo | Number of Preset Songs | 6 | 6 |
| | | Number of Preset Songs | | |
| | MIDI Recorder | | Real Time Rec / Up to 5000 Notes | Real Time Rec / Up to 5000 Notes |
| | | Number of Songs / Tracks | 1 Song / 2 Tracks | 1 Song / 2 Tracks |
| | | Controller | PLAY/PAUSE / FF / REW / REPEAT / TEMPO CHANGE | PLAY/PAUSE / FF / REW / REPEAT / TEMPO CHANGE |
| | Audio Recorder / Playback | | Max. 99 Songs / Approximately 25 min./song | Max. 99 Songs / Approximately 25 min./song |
| | | Format | Linear PCM / 16bit, 44.1kHz / stereo .WAV | Linear PCM / 16bit, 44.1kHz / stereo .WAV |
| | | Storage | USB Flash Memory | USB Flash Memory |
| | | | | PLAY/PAUSE / FF / REW / REPEAT |
| | | Controller | PLAY/PAUSE / FF / REW / REPEAT | |
| | Metronome | | • | • |
| | Octave Shift | | -2 octaves ~ 0 ~ +2 octaves | -2 octaves ~ 0 ~ +2 octaves |
| | Key Transpose | | -12 semitones ~ 0 ~ +12 semitones | -12 semitones ~ 0 ~ +12 semitones |
| | | | A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz (0.1Hz units) | A4 = 415.5Hz ~ 440.0Hz ~ 465.9Hz (0.1Hz units) |
| | Tuning Control | | Equal Temperaments plus 16 others | Equal Temperaments plus 16 others |
| | Tuning Control Scale Function | Number of Preset Temperamente | | tudi remperaments plus to others |
| | Scale Function | Number of Preset Temperaments | | * |
| | Scale Function USB to Host | Number of Preset Temperaments | • | |
| | Scale Function USB to Host USB to Device | Number of Preset Temperaments | • | • |
| | Scale Function USB to Host USB to Device MIDI In / Out | Number of Preset Temperaments | • | • |
| | Scale Function USB to Host USB to Device | Number of Preset Temperaments | • | |
| | Scale Function USB to Host USB to Device MIDI In / Out | Number of Preset Temperaments | • | • |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In | Number of Preset Temperaments | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In Line Out | Number of Preset Temperaments | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In Line Out Power Supply | Number of Preset Temperaments | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In Line Out Power Supply Power Consumption | Number of Preset Temperaments | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In Line Out Power Supply | Number of Preset Temperaments | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In Line Out Power Supply Power Consumption | Number of Preset Temperaments | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In Line Out Power Supply Power Consumption Auto Power Off Music Stand | Number of Preset lemperaments | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In Line Out Power Supply Power Consumption Auto Power Offf Music Stand Score Book | Number of Preset Temperaments | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W • | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W • |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In Line Out Power Supply Power Consumption Auto Power Off Music Stand Score Book Height Adjustable Bench | Number of Preset Temperaments | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W • |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In Line Out Power Supply Power Consumption Auto Power Off Music Stand Score Book Height Adjustable Bench AC Adapter | Number of Preset lemperaments | Q (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W AD-E24500LW | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W AD-E24500LW |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In Line Out Power Supply Power Consumption Auto Power Off Music Stand Score Book Height Adjustable Bench | Number of Preset Iemperaments | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W • |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In Line Out Power Supply Power Consumption Auto Power Off Music Stand Score Book Height Adjustable Bench AC Adapter | Number of Preset Temperaments | Q (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W AD-E24500LW | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W AD-E24500LW |
| | Scale Function USB to Host USB to Device MIDI In / Out Phones Line In Line Out Power Supply Power Consumption Auto Power Off Music Stand Score Book Height Adjustable Bench AC Adapter Dimensions | Number of Preset lemperaments | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W • • AD-E24500LW 56.6" x 19.3" x 40.0" (w/o music stand) | 2 (Stereo Standard Jack) 2 (L / MONO, R) / Standard Jack 2 (L / MONO, R) / Standard Jack DC 24V / AC Adapter AD-E24500LW 38 W AD-E24500LW 56.6" x 19.3" x 40.0" (w/o music stand) |

| GP- | 510 TONE LIST |
|------|----------------------|
| 1 | BERLIN GRAND |
| 2 | BERLIN GRAND MELLOW |
| 3 | BERLIN GRAND BRIGHT |
| 4 | HAMBURG GRAND |
| (5) | HAMBURG GRAND MELLOW |
| 6 | HAMBURG GRAND BRIGHT |
| 7 | VIENNA GRAND |
| (8) | VIENNA GRAND MELLOW |
| 9 | VIENNA GRAND BRIGHT |
| 10 | GRAND PIANO MODERN |
| 11) | GRAND PIANO ROCK |
| (12) | GRAND PIANO JAZZ |
| (13) | GRAND PIANO POP |
| (14) | GRAND PIANO DANCE |
| (15) | HONKY-TONK PIANO |
| (16) | PIANO PAD |
| 17) | ELECTRIC PIANO 1 |
| (18) | ELECTRIC PIANO 2 |
| 19 | ELECTRIC PIANO 3 |
| 20 | FM E.PIANO |
| 21) | 60'S E.PIANO |
| (22) | HARPSICHORD |
| 23) | VIBRAPHONE |
| 24) | STRINGS 1 |
| 25) | STRINGS 2 |
| 26) | SYNTH-PAD |
| 27) | PIPE ORGAN 1 |
| 28) | PIPE ORGAN 2 |
| 29 | JAZZ ORGAN |
| 30 | ELECTRIC ORGAN 1 |
| (31) | ELECTRIC ORGAN 2 |
| 32) | ELECTRIC ORGAN 3 |
| (33) | ACOUSTIC BASS |
| 34) | RIDE BASS |
| 35) | ELEC.BASS |

| GP- | 310 TONE LIST |
|------|----------------------|
| 1 | BERLIN GRAND |
| 2 | BERLIN GRAND MELLOW |
| 3 | BERLIN GRAND BRIGHT |
| 4 | HAMBURG GRAND |
| (5) | HAMBURG GRAND MELLOW |
| 6 | HAMBURG GRAND BRIGHT |
| 7 | VIENNA GRAND |
| 8 | VIENNA GRAND MELLOW |
| 9 | VIENNA GRAND BRIGHT |
| 10 | GRAND PIANO MODERN |
| 11) | GRAND PIANO ROCK |
| (12) | GRAND PIANO JAZZ |
| (13) | ELECTRIC PIANO 1 |
| (14) | ELECTRIC PIANO 2 |
| (15) | FM E.PIANO |
| (16) | 60'S E.PIANO |
| (17) | HARPSICHORD |
| (18) | VIBRAPHONE |
| (19) | STRINGS 1 |
| 20 | STRINGS 2 |
| 21) | PIPE ORGAN |
| 22) | JAZZ ORGAN |
| 23) | ELECTRIC ORGAN 1 |
| 24) | ELECTRIC ORGAN 2 |
| 25) | ACOUSTIC BASS |
| (26) | RIDE BASS |

| KEY | |
|-----|-----|
| • | YES |
| - | NO |



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