Classic Cantabile KH-238 Kopfhörer HiFi dynamisch

ArtNr.: 00016331

Bedienungsanleitung

Version: 10.2024

Vielen Dank, dass Sie sich für dieses Produkt entschieden haben.
Um sicherzustellen, dass Sie mit dem Classic Cantabile Kopfhörer voll und ganz zufrieden sind, lesen Sie sorgfältig und verstehen Sie diese Bedienungsanleitung, bevor Sie unser Produkt verwenden. Bewahren Sie diese Bedienungsanleitung an einem sicheren Ort auf. Die Bedienungsanleitung muss an alle nachfolgenden Anwender weitergegeben werden.

Bedienungsanleitung beachten!

⚠ WARNUNG Mit dem Signalwort WARNUNG sind die Gefahren gekennzeichnet, die ohne Vorsichtsmaßnahmen zu schweren Verletzungen führen können.

⚠ HINWEIS Mit dem Signalwort HINWEIS sind allgemeine Vorsichtsmaßnahmen gekennzeichnet, die im Umgang mit dem Produkt beachtet werden sollen.

⚠ HINWEIS Bilder und Bildschirmdarstellungen in dieser Bedienungsanleitung können vom Erscheinungsbild des tatsächlichen Produkts geringfügig abweichen, solange dies keine negativen Auswirkungen auf die technischen Eigenschaften und Sicherheit des Produkts hat.

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⚠ WARNUNG **Kinder sollten beaufsichtigt werden, um sicherzustellen, dass sie nicht mit dem Kopfhörer spielen.**
Der Kopfhörer ist kein Spielzeug

Alle Informationen in dieser Bedienungsanleitung wurden nach bestem Wissen und Gewissen kontrolliert. Weder Autor noch Herausgeber können jedoch für Schäden haftbar gemacht werden, die in Zusammenhang mit der Verwendung dieser Bedienungsanleitung stehen.

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Detailierte Sicherheitshinweise:

⚠ HINWEIS

- Lesen Sie diese Anweisungen und bewahren Sie diese Anleitung auf.
- Beachten Sie alle Warnungen. Befolgen Sie alle Anweisungen.
- Verwenden Sie dieses Gerät nicht im Wasser.
- Reinigen Sie das Gerät nur mit einem trockenen Tuch.
- Legen Sie das Gerät nicht in auf Wärmequellen wie Heizkörpern, Öfen oder andere Geräte, die Wärme erzeugen.
- Achten Sie auf die Lautstärke! Hören mit zu hohem Lautstärkepegel kann Ihr Gehör dauerhaft schädigen.
- Wenden Sie sich bezüglich aller Reparatur- /Wartungsarbeiten an qualifiziertes Servicepersonal. Öffnen Sie das Gerät bzw. das Gehäuse nicht eigenmächtig. Eine Wartung ist erforderlich, wenn das Gerät auf irgendeine Weise beschädigt wurde, z. B. wenn das Kabel beschädigt ist, Flüssigkeit verschüttet wurde oder das Gerät Regen oder Feuchtigkeit ausgesetzt war, nicht ordnungsgemäß funktioniert.

Beschreibung:

Funktion:

Der Kopfhörer kann mit jedem Abspielgerät (z.B. CD-Player) als auch Instrument (z.B. E-Drumset, Keyboard oder Piano) verbunden werden. Hierbei ist je nach Buchse lediglich auf den Einsatz der korrekten 3,5 mm Klinke oder der 6,3 mm Klinke des Adapters zu achten.(Adapter liegt bei)

⚠WARNUNG Achten Sie auf die Lautstärke! Hören mit zu hohem Lautstärkepegel kann Ihr Gehör dauerhaft schädigen.

Wartung
Ihr Gerät erfordert keine besondere Wartung. Wenden Sie sich jedoch im Falle einer Fehlfunktion an ein zugelassenes Servicecenter oder den Hersteller

Reinigung
Verwenden Sie zur Reinigung ein fusselfreies und nur leicht feuchtes Tuch.

Technische Spezifikationen:

System: dynamische Kopfhörer

Nennimpedanz: 32 Ohm

Lautsprecher: Stereo

Frequenzbereich: 20-20000 Hz

Empfindlichkeit: 110dB SPL

WEEE-Erklärung
(Waste of Electrical and Electronic Equipment)

Ihr Produkt wurde unter Verwendung hochwertiger Materialien und Komponenten entwickelt und hergestellt, die recycelbar und wiederverwendbar sind. Das Symbol bedeutet, dass Ihr Produkt am Ende seiner Lebensdauer vom Hausmüll getrennt entsorgt werden muss.
Entsorgen Sie dieses Gerät bei Ihrer örtlichen Sammelstelle oder Recyclingstelle.
Bitte helfen Sie mit, die Umwelt zu schützen, in der wir alle leben.

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Classic Cantabile KH-238 Headphones HiFi dynamic

Item number: 00016331

User Manual

Version: 10.2024

Thank you for choosing this product.

To ensure that you are fully satisfied with the Classic Cantabile headphones, read this manual carefully and understand these instructions before using our product. Keep these operating instructions in a safe place. The operating instructions must be passed on to all subsequent users.

Please carefully follow the instructions!

⚠ WARNING — The signal word WARNING indicates the dangers that can lead to serious injuries without precautionary measures.

⚠ NOTE — The signal word NOTE indicates general precautionary measures that should be observed when handling the product.

⚠ NOTE — Images and screen shots in this manual may differ slightly from the appearance of the actual product as long as this has no negative effects on the technical properties and safety of the product.

⚠ NOTE — All personal formulations in these operating instructions are to be considered gender-neutral.

These operating instructions apply to persons who have been supervised by a person responsible for their safety or who have been instructed in the operation of the device and have demonstrated that they can handle the device.

⚠ WARNING — **Children should be supervised to ensure that they do not play with the device.**
Do not leave children unattended. The product is not a toy!

All information in this operating manual has been checked to the best of our knowledge and belief. However, neither the author nor the publisher can be held liable for any damage associated with the use of this manual.

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Detailed safety information:

⚠ NOTE

- Read these instructions. Keep these instructions.
- Heed all warnings. Follow all instructions.
- Do not use this device near water.
- Only clean the device with a dry cloth.
- Do not block any ventilation openings.
- Do not place the device near heat sources such as radiators, stoves or other devices that generate heat.
- Pay attention to the volume! Hearing at a high-volume level can permanently damage your hearing.
- Contact qualified service personnel for all repair / maintenance work. Do not open the device or the housing yourself. Maintenance is required if the device has been damaged in any way, e.g., if the power cord or plug is damaged, liquid has been spilled or objects have fallen into the device, the device has been exposed to rain or moisture, is not working properly or has been dropped.

Function:

The headphones can be connected to every playing device (e.g., CD-players) as well as instrument (e.g., E-drumset, keyboard or piano). It is only important to note which jack plug is required for the used device: the 3.5 mm jack or the 6.3 mm jack of the adapter. (Adapter is included in delivery)

⚠ WARNING Pay attention to the volume! Hearing at a high-volume level can permanently damage your hearing.

Maintenance
Your device does not require any special maintenance. However, in the event of a malfunction, contact an approved service center or the manufacturer

Cleaning
Use a lint-free and only slightly damp cloth for cleaning.

Technical specifications:

System: dynamic headphones

Impedance: 32 Ohm

Speakers: Stereo

Frequency range: 20-20000 Hz

Sensitivity: 110dB SPL

WEEE declaration (Waste of Electrical and Electronic Equipment)

Your product has been developed and manufactured using high quality materials and components that are recyclable and reusable. The symbol means that your product must be disposed of separately from household waste at the end of its service life.
Dispose of this device at your local collection or recycling centre, please help protect the environment we all live in.

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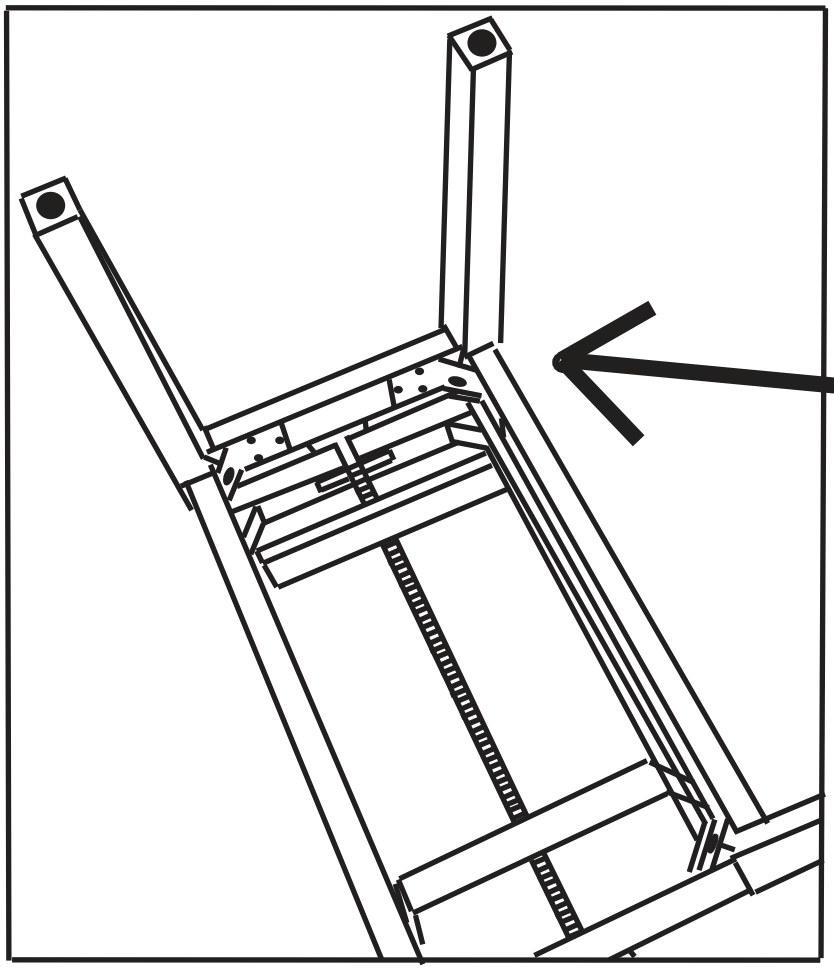
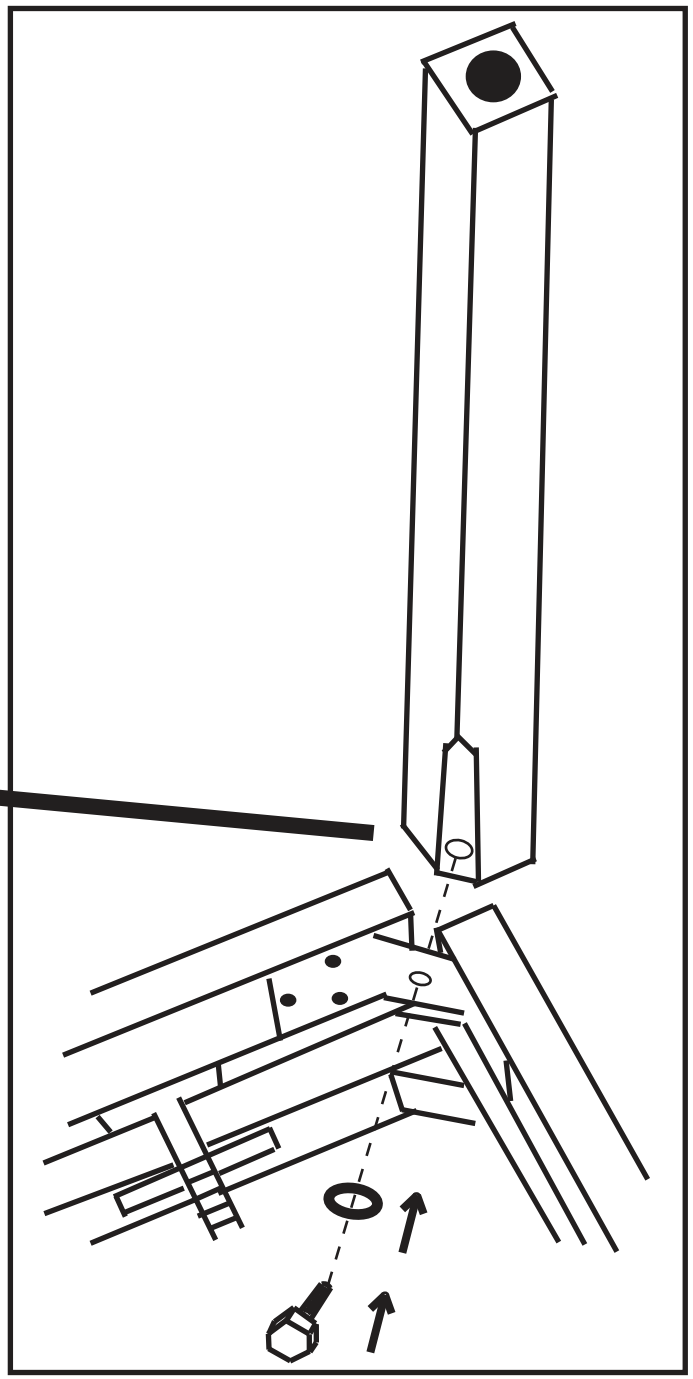
CLASSIC cantabile





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PRECAUTIONS (PLEASE READ CAREFULLY) Children should be supervised to ensure that they do not use this product as a toy. Never let children play with the packaging material unsupervised. **Warning:** Always place the product on a suitable surface to prevent it from wobbling or falling over. **Precautions:** To avoid damage to the product, do not place it in places with high temperatures or a lot of dust, do not place it directly next to an air conditioner and avoid direct sunlight. Do not use force when handling the product and do not place objects that are too heavy on it. **Location:** Do not expose the product to the following conditions to avoid warping, discoloration, or major damage: direct sunlight, extreme temperature or humidity, excessively dusty or dirty location, strong vibration or shock. **Cleaning:** Only clean the product with a soft, dry cloth. Do not use paint thinners, solvents, cleaning fluids, or chemically impregnated wipes. **Handling:** Do not exert excessive force on controls such as switches, buttons. Technical changes and changes in appearance are reserved. All information corresponds to the status at the time of printing. Musikhaus Kirstein GmbH assumes no liability for the correctness and completeness of the descriptions, illustrations and information contained. Shown colors and specifications may differ slightly from the product. Musikhaus Kirstein GmbH - Products are only available through authorized dealers. Distributors and dealers are not authorized representatives of Musikhaus Kirstein GmbH and have no authority to bind Musikhaus Kirstein GmbH legally in any way, be it expressly or through coherent action. This manual is protected by copyright. Any duplication or reprint, even in part, and any reproduction of the images, even in a modified state, is only permitted with the written consent of Musikhaus Kirstein GmbH.

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DP-A 410 Digital Piano

Users manual

00039139/00039140/00039166/00039169
Version 09/2015

INFORMATION FOR YOUR SAFETY!

THE FCC REGULATION WARNING (for USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

CAUTION

The normal function of the product may be disturbed by Strong Electro Magnetic Interference. If so, simply reset the product to resume normal operation by following the owner's manual. In case the function could not resume, please use the product in other location.

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

Power Supply
When removing the electric plug from an outlet, always hold the plug itself and not the cord.

Do not connect the instrument to an electrical outlet using a multiple-connector or an AC outlet of voltage other than that for which your instrument is intended.

Remove the electric plug from the outlet when the instrument is not to be used for extended periods of time, or during electrical storms.

Connections
Before connecting the instrument to other devices, turn off the power to all units. This will help prevent malfunction and / or damage to other devices.

Location
Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:

- Direct sunlight
- Extreme temperature or humidity
- Excessive dusty or dirty location
- Strong vibrations or shocks
- Close to magnetic fields

Interference with other electrical devices
Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

Cleaning
Clean only with a soft, dry cloth.
Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

Handling
Do not apply excessive force to the switches or controls.
Do not let paper, metallic, or other objects into the instrument. If this happens, remove the electric plug from the outlet. Then have the instrument inspected by qualified service personnel.

Disconnect all cables before moving the instrument.

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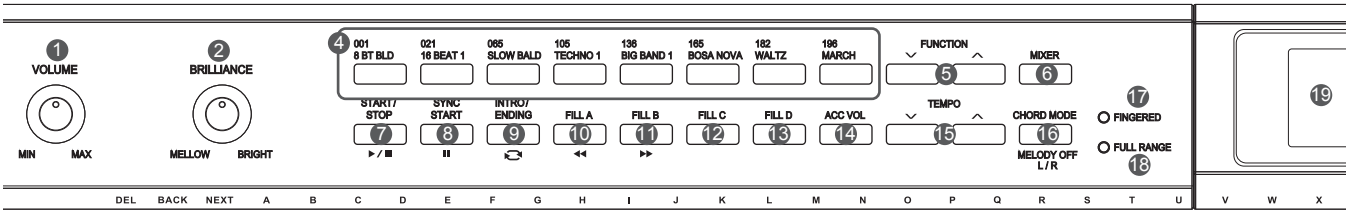
Panel & Display Description

Front Panel



1. [VOLUME] Knob
Adjust master volume

2. [BRILLIANCE] Knob
Adjust voice brilliance

3. USB device socket
Insert a USB flash drive

12. [FILL C] button
A Fill-in C plays

13. [FILL D] button
A Fill-in D plays

14. [ACC VOL] button
Adjust ACCOMP volume

15. [TEMPO+/-] button
Adjust the current tempo

17. A.B.C. MODE lamp
Indicate A.B.C. mode status: on or off

18. FULL RANGE MODE lamp
Show if the full range mode is on or off

19. LCD
Show all the parameters related to the current operation

39. [POWER] button
Turn the power on or off

When [SHIFT] key pressed

4. Style button
Enter the style mode

When [SHIFT] key released

4. Style direct button
Select a direct style

5. [FUNCTION+/-] button
Enter function menu

6. [MIXER] button
Enter mixer menu

SONG MODE:

7. [START/STOP] button
Start or stop playing the song

8. [PAUSE] button
Pause the playing song or start it

9. [REPEAT A/B] button
Set the beginning and the end for a loop section of a selected song

10. [REW] button
Rewind the song

11. [FF] button
Fast forward the song

16. [MELODY OFF L/R] button
Use to mute/activate left or right-hand part, allowing each part to be practiced separately

STYLE MODE:

7. [START/STOP] button
Start or stop playing the style

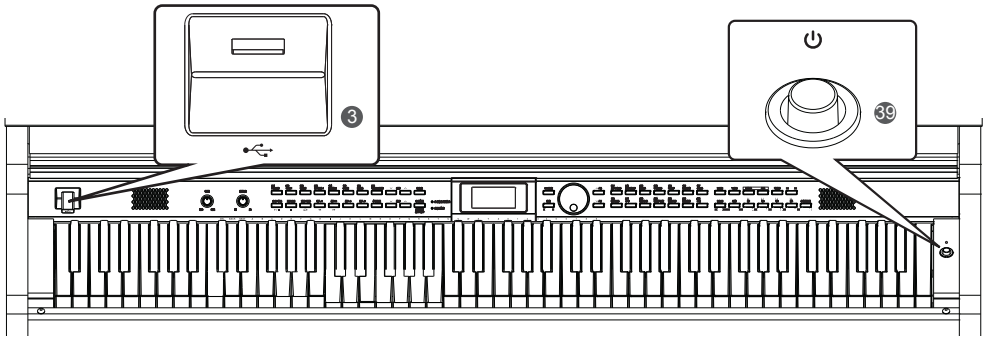
8. [SYNC START] button
Turn the Sync Start on and off

9. [INTRO/ENDING] button
Play the Intro or Ending

10. [FILL A] button
A Fill-in A plays

11. [FILL B] button
A Fill-in B plays

16. [CHORD MODE] button
Choose chord mode



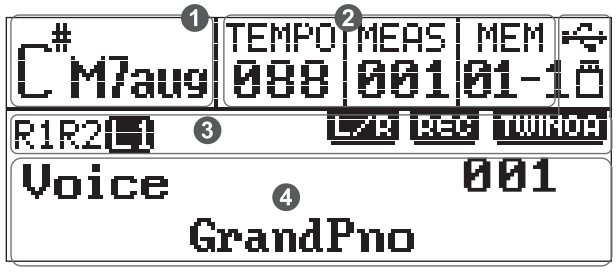
LCD

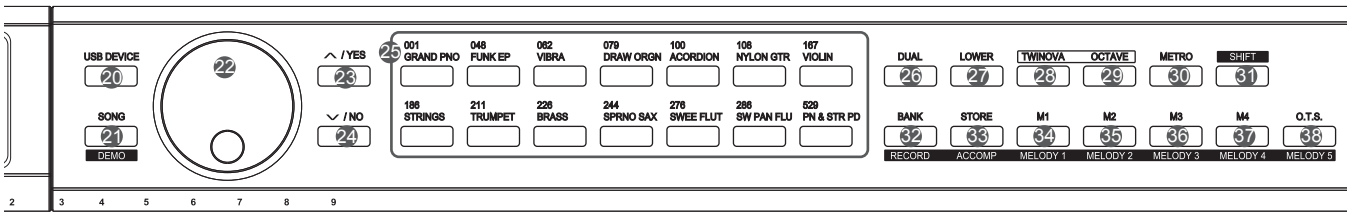
1. Chord display area
Display chord information.

2. Instant message area
Display the current tempo, measure, memory/O.T.S setting.

3. Status display area
Display the status of function, USB drive, USB, etc.

4. System message display area
Display important messages related to the current operation. I.e. in voice mode, it displays the voice name and number.





20. [USB DEVICE] button
Enter USB DEVICE menu

22. Data dial
Increase and decrease the value

23. [+/YES] button
Increase the value

24. [-/NO] button
Decrease the value

26. [DUAL] button
Turn the Voice R2 on and off

27. [LOWER] button
Turn the Voice L1 on and off

28. [TWINOVA] button
Turn the TWINOVA on and off

29. [OCTAVE] button
Set octave in TWINOVA mode

30. [METRO] button
Turn the metronome on and off

When [SHIFT] key pressed

21. [DEMO] button
Enter demo mode and play demo songs

25. [VOICE] button
Enter the voice mode

32. [RECORD] button
Enter record mode

33. [ACCOMP] button
Select the accomp track to record

34~38. MELODY 1-5 button
Select the melody1-5 track to record

When [SHIFT] key released

21. [SONG] button
Enter song mode and play songs

25. Voice direct button
Select a direct voice

32. [BANK] button
Select a bank to store settings

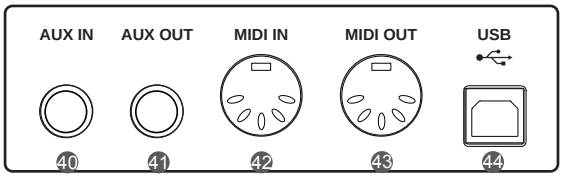
33. [STORE] button
Register the current panel settings

34~37.M1~M4 button
Recall the registered panel settings

38. [O.T.S] button
Turn one touch setting on and off

31. [SHIFT] button
Press and hold it to access secondary functions of other buttons

Rear Panel



40. AUX IN jack

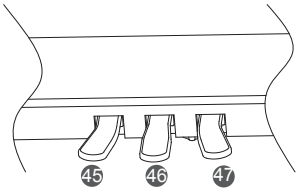
41. AUX OUT jack

42. MIDI IN jack

43. MIDI OUT jack

44. USB jack

Pedal



45. Soft Pedal
When you step on the soft pedal, all notes played on the keyboard will have a softer effect.

46. Sostenuto Pedal
When you step on the sostenuto pedal, the notes played before you step on the pedal would have a sustain effect.

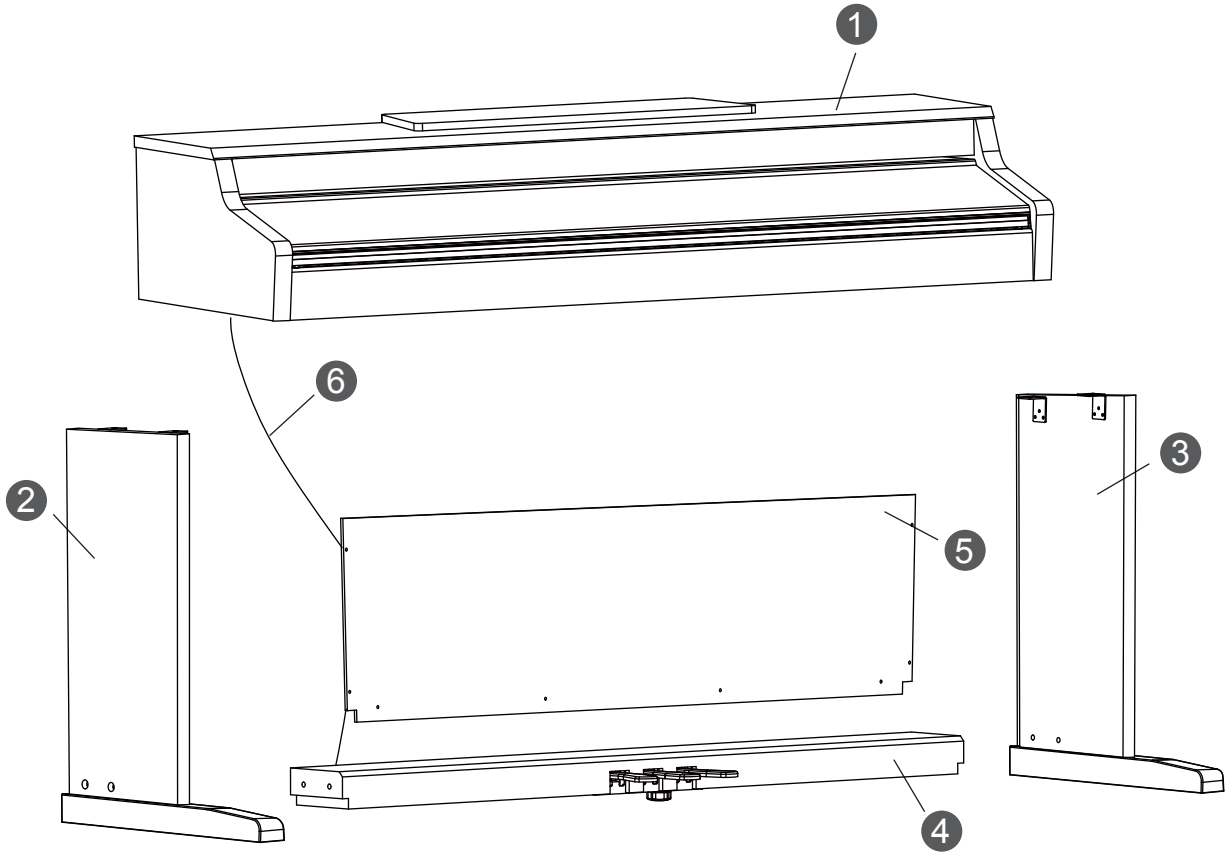
47. Sustain Pedal
When you step on the sustain pedal, all notes played on the keyboard will have a longer sustain. It also supports the half-pedal operation. Performing with the sustain pedal will achieve a smoothly effect.

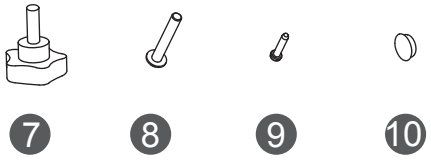
Setup

This section contains information about setting up your instrument and preparing to play. Please go through this section carefully before turning the power on.

Setup Guide

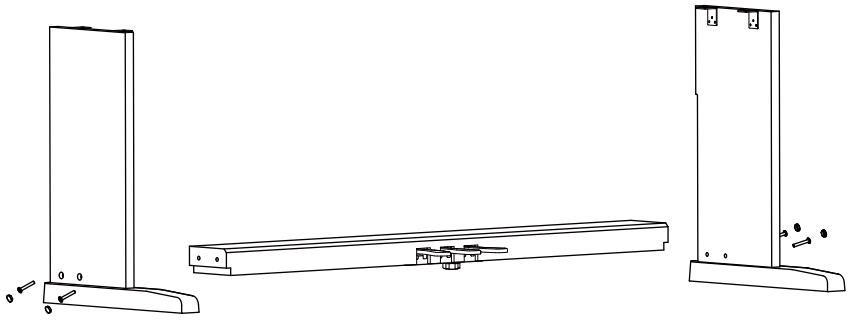
Before you proceeding to assemble the stand, get a Philip's screwdriver (not supplied).
Make sure you have the following parts, which are supplied into package.



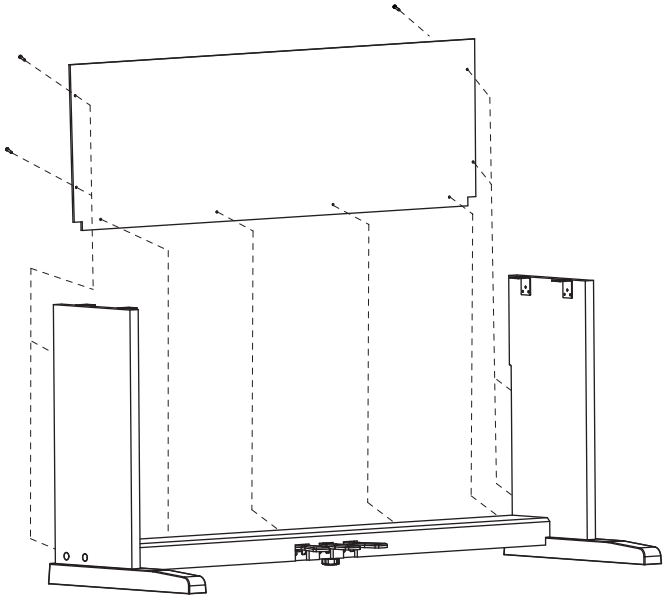


1	Piano body
2	Left leg component
3	Right leg component
4	Foot pedal
5	Rear board
6	Foot pedal cable
7	Hand screws (4pcs)
8	Screws M6x45 (4pcs)
9	Tapping screw 4x15 (8pcs)
10	Screw caps (4pcs)

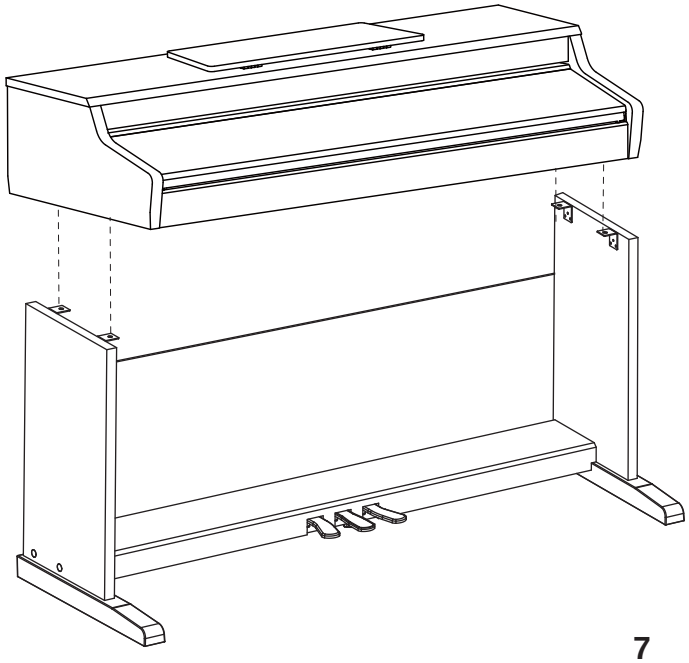
A. Put the foot pedal unit (4) in between the left and right leg components (2&3) use 4 pieces of screws (8) (2 on each side) to stable the legs onto the foot pedal unit. (Make sure the direction of the placement is correct before screwing)



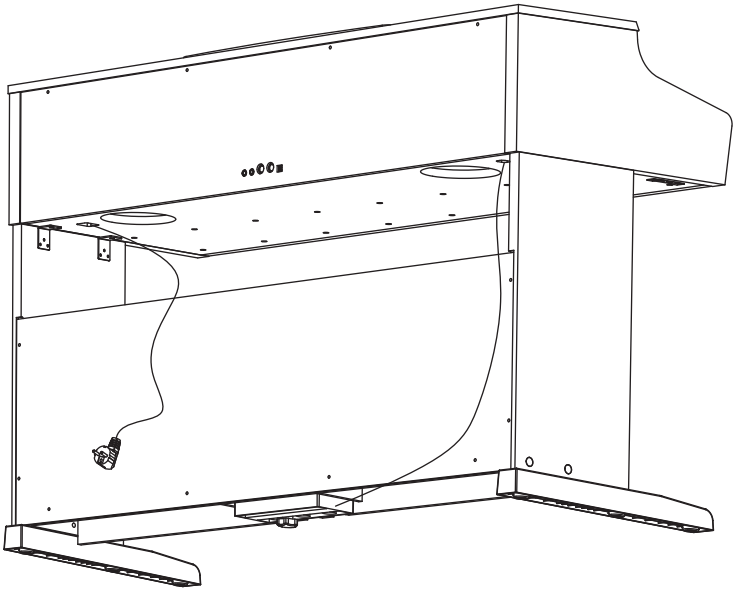
B. Use 8 pieces screw (9), make the rear board fixed on the footpedal unit (4) and right leg component (3), the left leg component (2) finished in part B on the previous page.



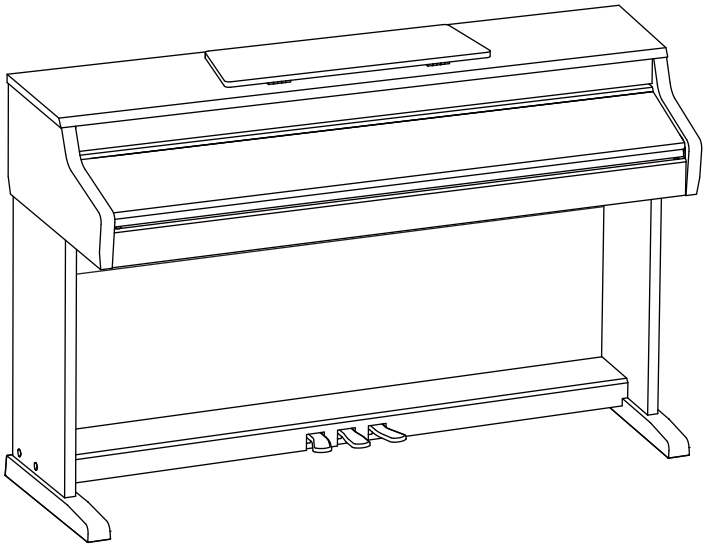
C. Put the piano body (1) on the top of the assembly finished in part B, use 4 pieces of hand screws (7) to stable afterward.



D. After the initial set-up, connect pedal cable (6) with the foot pedal to the bottom-panel pedal jack.



E. Installation is completed now.
Play the piano and enjoy the perfect performance.



Power Jack

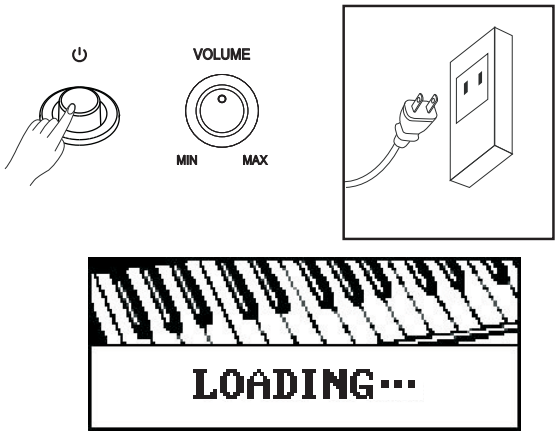
Power Supply

1. Make sure that the piano is turned off. Before you switch the piano on or off , turn down the volume of piano and any connected audio equipments first.

2. Connect the power cable to the AC outlet.

3. Press the [POWER] button, the LCD will display “LOADING...”, which indicates the piano has powered on.

4. If you are ready to turn off the piano, press the [POWER] button again.



Notes:

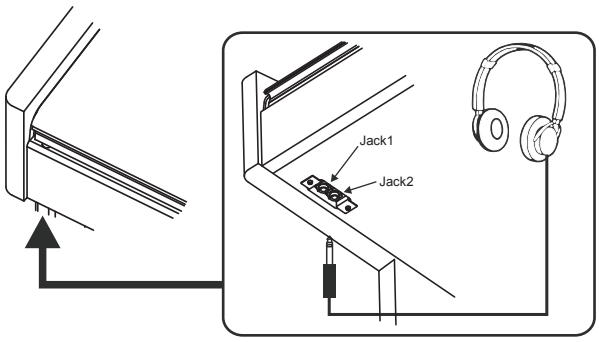
1. The piano will be automatically shut down in about 30 minutes if it is not used.
2. When the keyboard is not in use or during thunderstorm, please disconnect the power for safety purpose.

Connecting a pair of Headphones

A standard pair of stereo headphones can be plugged in here for private practice or late-night playing.

Jack1: when a pair of headphones is plugged into the jack 1, the sound can be heard from both headphones and speakers of the instrument.

Jack2: when a pair of headphones is plugged into the jack 2,the internal stereo speaker system is automatically shut off. The sound can only be heard from headphones.

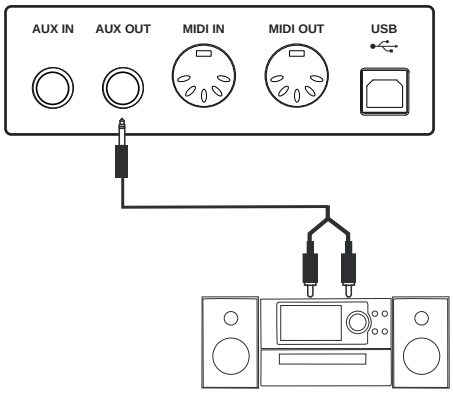


Note:

To avoid the risk of hearing loss when using headphones, please do not play the piano with a high volume level for a long time.

Connecting an Audio Equipment

The rear-panel AUX.OUT jack delivers the output of the instrument for connection to a keyboard amplifier, a mixing console, or tape recorder. Use an audio cord to plug into the AUX.OUT jack located on the rear panel then plug the other end of the cord into AUX.IN of the amplifier.

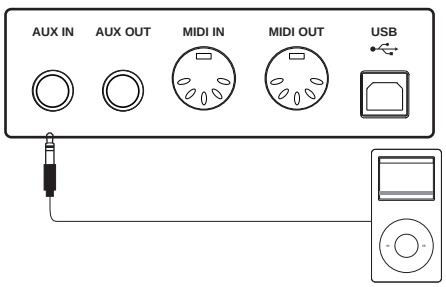


Note:

To avoid damaging the speakers, please ensure that the volume has been set to the minimum level before connecting the power and other devices.

Connecting an MP3/CD Player

Connect the audio output of an MP3/CD player or other audio source to the stereo AUX.IN jack on the rear panel.
The input signal is mixed with the piano signal, allowing you to play along.

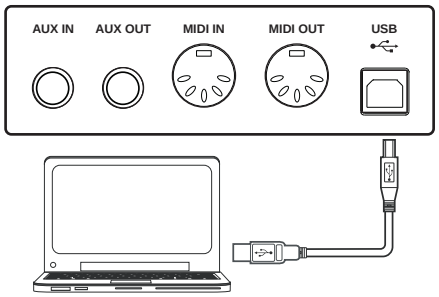


Connecting a Computer

You can use the USB Connector to receive MIDI messages from computer or transmit MIDI messages to computer.

You can use a commercially available MIDI interface to connect the piano to the computer via the MIDI connectors.

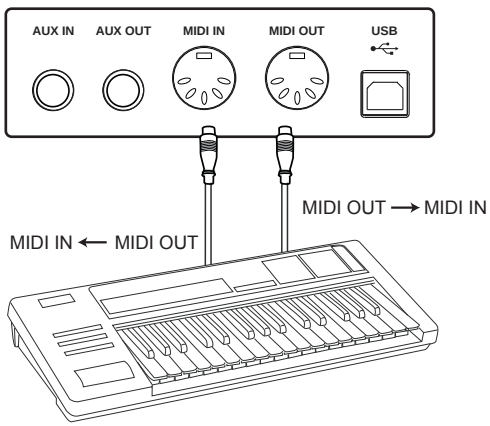
Note:
Do not set the USB device to be input and output simultaneously when setting the software on PC. Otherwise the sound will be overlapped when playing the keyboard.



Connecting external MIDI devices

You can use standard MIDI cables to connect external MIDI devices.

MIDI IN: Receive MIDI message from an external MIDI device.
MIDI OUT: Transmits MIDI message generated by the instrument.
MIDI THRU: Simply relays the MIDI message received at MIDI IN.
Note:
To avoid damages, please be sure to turn off the power switches before you disconnect the related devices from the keyboard.



Adjusting the Master Volume

Rotate the [VOLUME] knob to right, the volume increases and vice versa.

Adjusting the Voice Brilliance

Slide the [BRILLIANCE] knob to right, the voice sounds brighter and vice versa. You can change the piano brilliance as you wish.

Playing the Demo Song

The instrument features 5 wonderful demos. Please refer to Demo List.

1. Holding down the [SHIFT] button, then press the [DEMO] button to start the demo song playing, and the LCD will display the number and name of the demo.

2. Beats Flashing
   During demo playback, the LED indicator of [START/STOP] will flash with the current tempo, red for strong beat and green for weak beat.

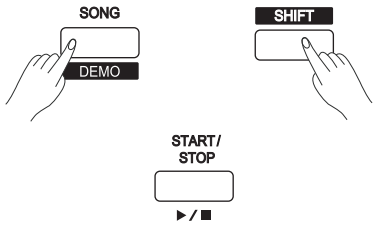
3. You can use the data dial, [+/YES] / [-/NO]button to select a demo song.

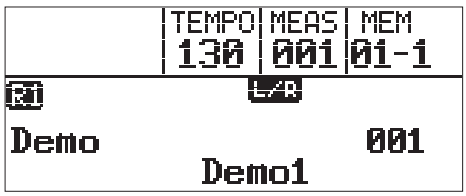
4. Holding down the [SHIFT] button, then press the [demo] button or press the [START/STOP] button directly to stop playing and exit the demo mode.

Note:

1. In demo mode, only the following button functions will be available: [DEMO], [START/STOP], [TEMPO+/-], [+/YES], [-/NO], Data dial, [VOLUME], [BRILLIANCE], and [POWER].
   All other buttons and the keyboard function will become invalid.

2. In recording, style or song mode, the LED indicator of [START/STOP] will flash with the current tempo.





Playing Voices

The instrument features 600 exceptionally realistic voices. Please refer to Voices List.

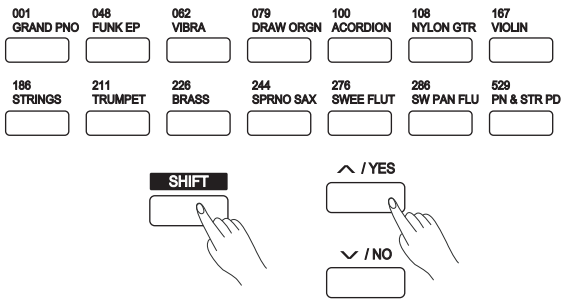
Playing Voices

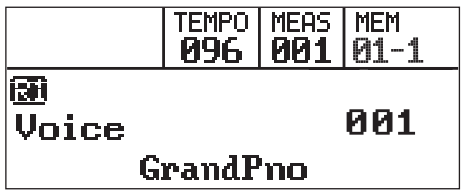
1. In idle status, holding down the [SHIFT] button, then press one of the voice direct button to enter the voice mode. LCD will display the name and number of the current voice and highlights “R1”.

2. Use the data dial, [+/YES]/ [-/NO] button to select the voice you want to play. You can also use the voice direct button to select a voice.

3. You can play the keyboard and listen to the wonderful voice.

Note:
When the Dual and Lower functions are on, hold down [SHIFT] button, then press one of the voice select buttons to shift the voice source between R1, R2 and L1. The selected one will be highlighted on LCD.





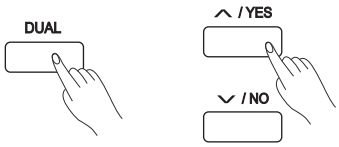
Playing two voices simultaneously-DUAL

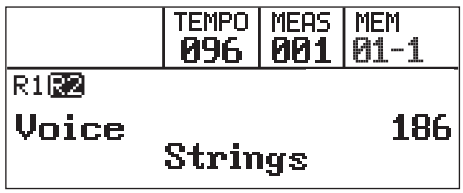
1. In idle mode, press [DUAL] button to turn on dual voice. LCD displays current voice name and number, and highlights “R2”.

2. When “R2” is highlighted, use the data dial, the [+/YES], [-/NO] button or voice direct button to select the dual voice you want to play.

3. Play the keyboard, you will hear two different voices sounded simultaneously in a layer. It seems like two instruments playing at the same time.

Note:
When the keyboard has been split, only the right hand area will play the dual voice.





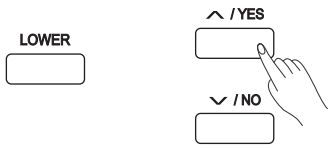
Play Different Voices with Both hands-LOWER

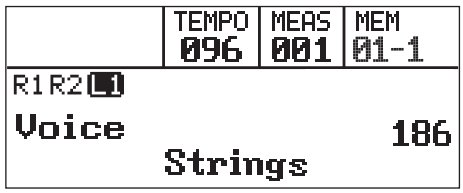
1. In idle mode, press [LOWER] button to turn on lower voice. The keyboard is split into two independent areas, which have different voices. LCD displays the left hand voice name and number, and highlights “L1”.

2. When “L1” is highlighted, use the data dial, the [+/YES], [-/NO] button or voice direct button to select the lower voice you want to play.

3. Play the keyboard with both hands, and you will hear two different voices from the two areas.

Note:
The right hand voice does not change when you change lower voice.





Split Point
The Point on the keyboard that separates voice L1 and voice R1/R2 is called the "split point". The split point is set to F#3/G3 at the factory setting. However you can set this to any key you want. Please refer to KeySplit setting for split point.

Twinova

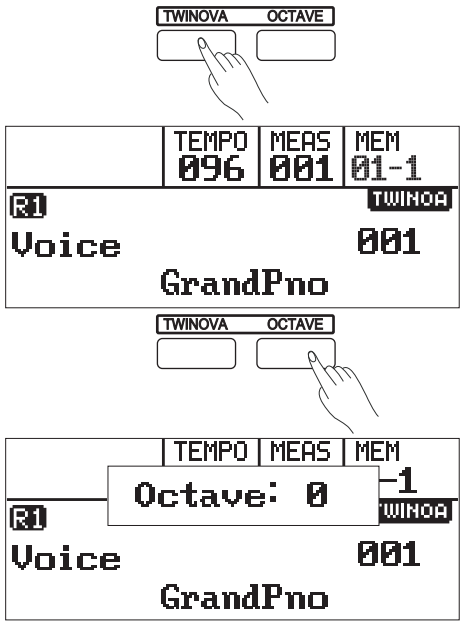
The twinova mode splits the keyboard into two independent areas, which have the same pitch and voice, for the convenience of one-to-one teaching.

1. In idle mode, press [TWINOVA] button to turn on twinova. LCD highlights “TWINOA”. In twinova mode, dual voice and lower voice are unavailable. The default split point is E3 (32). Press [TWINOVA] button again you can exit twinova.

2. In twinova mode, the default voice of right hand and left hand is the upper voice you select before entering twinova mode. Use the data dial, the [+/YES], [-/NO] button or the voice direct button to choose voice.
3. In twinova mode, press [OCTAVE] button, LCD temporarily displays the octave value of twinova. Now you can use the data dial, the [+/YES], [-/NO] button to set octave value of twinova. The range of octave is -1 to 1.

Note:

1. In the song playing mode, the twinova is invalid.
2. Please refer to Split Point setting to set the split point.



Auto Accompaniment

The auto accompaniment feature puts a full backing band at your fingertips. To use it, all you have to do is to play the chords with your left hand using your selected accompaniment style, and then the accompaniment will automatically play along, instantly following the chords you play. With auto accompaniment, even a solo performer can enjoy playing with the backing of an entire band or orchestra.
This keyboard features 240 (including 10 user styles: 231-240) styles in a variety of musical genres. Try to select some of the different styles (refer to Style List) and enjoy the auto accompaniment.

Play Auto Accompaniment(rhythm track only)

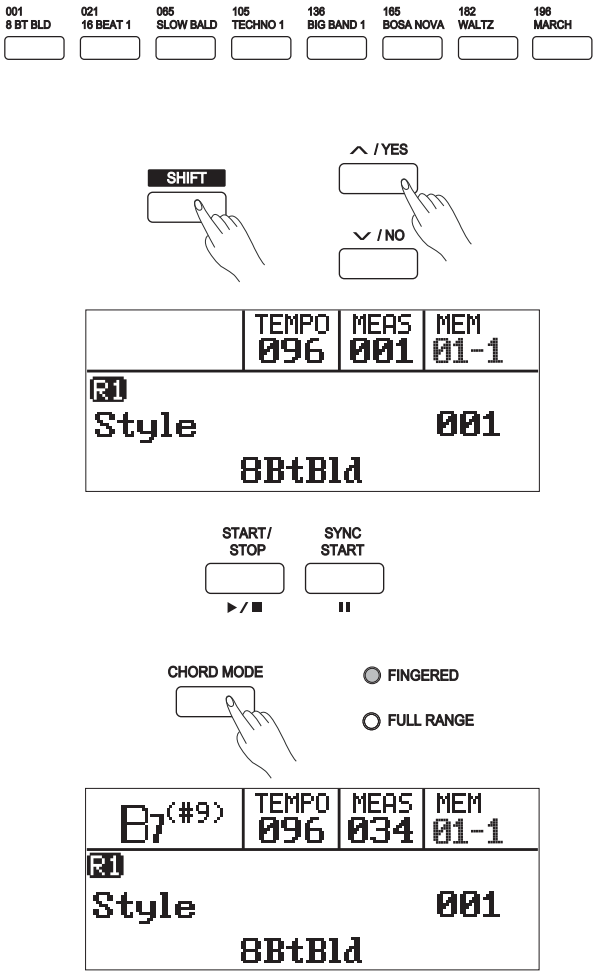
1. In idle mode, when pressing [SHIFT] button, press any of the style direct button to enter the style mode. LCD displays the name and number of the current style.

2. Use the data dial, the [+/YES], [-/NO] button or the style direct button to choose style.

3. Press the [START/STOP] button to start the rhythm tracks of the auto accompaniment. Also you can press [SYNC START] and then play any key to start the rhythm tracks of the auto accompaniment.

Play Auto Accompaniment(all tracks)

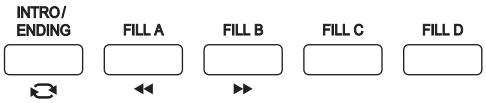
1. In style mode, press [CHORD MODE] button to enter “auto bass chord” (A.B.C.)mode. The “FINGERED” LED on the panel will light up. The keyboard is split into two areas. Play chords in the left hand area.
   Press [CHORD MODE] button again to enter “full range” mode. The “FULL RANGE” LED on the panel will light up. You can play chords over the entire keyboard in normal fingering.



2. Press [SYNC START] button , and then play a chord in the chord area to start auto accompaniment of all tracks. When you change a chord, the accompaniment automatically changes.
   Alternatively, press [START/STOP] button to start auto accompaniment of rhythm track, then play a chord in the chord area. It will start auto accompaniment of all tracks

Accompaniment Sections

There are various types of Auto Accompaniment sections that allow you to vary the arrangement of the accompaniment to match the song you are playing.
They are: Intro, Main (A,B,C,D), Fill (A, B,C,D), and Ending.
By switching among them during your performance you can easily produce the dynamic elements of a professional sounding arrangement in your performance.



INTRO Section
The intro is an opening section of the song. When the intro pattern finished, the system will automatically shift to the main section.

MAIN Section
The main is an important section of the song. And it plays an accompaniment pattern and repeat infinitely until another section's button is pressed.

FILL IN Section
Auto fill in function automatically adds a fill to your performance. When the fill-in is finished, accompaniment shifts to the Main section (A,B,C,D).

ENDING Section
Ending is used for the ending of the song. When the ending is finished, accompaniment automatically stops. The length of the ending differs depending on the selected style.

Note:
During style playback, hold down one of the FILL [A]-[D] buttons, and the selected fill-in pattern will play continuously until the button is released.
When style stops, press one of the FILL [A]-[D] buttons to select a main section. The corresponding LED will light up.

Playing Different Accompaniment Sections

1. Press style direct button or use the data dial, [+/YES]/[-/NO] button to choose style.

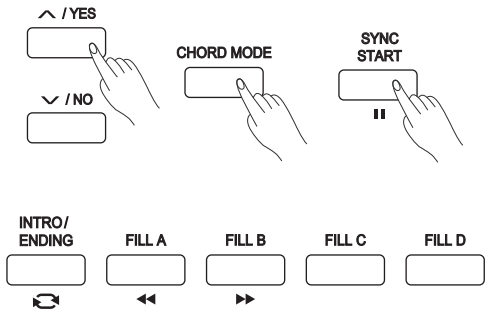
2. Press [CHORD MODE] button to enter A.B.C. (auto bass chord) mode.

3. Press [SYNC START] button.

4. Press [FILL A] button.

5. Press the [INTRO/ENDING] button. Now “A” LED flashes on panel, the style is ready to play.

6. It will start the accompaniment as soon as you start playing in Chord section. When the playback of the intro is finished, it automatically leads into Main A section.



7. Press the [FILL B] / [FILLDC] / [FILL D] button. A fill-in plays, automatically followed by the Main B/C/D section.

8. Press the [INTRO/ENDING] again will lead it into the Ending Section. When the ending is finished, the auto accompaniment automatically stops.

Accompaniment Volume

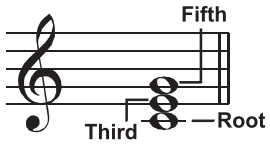
This function is used to change the volume of all tracks of accompaniment.
Press [ACC VOL] button, the LCD will display ACCOMP volume (from 0 to 127). At this time, you can use the data dial, or [+/YES]/[-/NO] button to adjust accomp volume.

Chord Fingering

How the chords are played or indicated with your left hand (in the auto accompaniment section of the keyboard) is referred to as "fingering". There are 2 types of fingerings as described below.

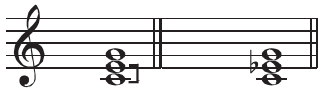
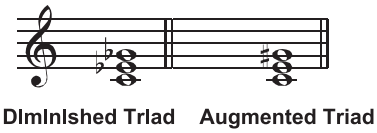
Chord Basics

A chord, in music, is any harmonic set of three or more notes that is heard as if sounding simultaneously. The most frequently encountered chords are triads. A triad is a set of three notes that can be stacked in thirds. When stacked in thirds, the triad's members, from lowest pitched tone to highest, are called: the Root, the Third, and the Fifth.



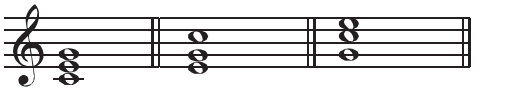
Triad Type

There are following basic triad types:

Major Triad	A root with a major third added above and a perfect fifth will consist as a “Major Triad”.
Minor Triad	A root with a minor third added above and a perfect fifth will consist as a “Minor Triad”.
Augmented Triad	A root with a major third added above and an augmented fifth will consist as an “Augmented Triad”.
Diminished Triad	A root with a minor third added above and a diminished fifth will consist as a “Diminished Triad”.



Chord Inversion

We define this chord its root is not in the bass (i.e., is not the lowest note) as an inversion chord. When the root is in the bass, we call the chord: root-position chord. If we put the Third and Fifth in the root position, then it forms “Inversion”, we call this chord “Inversion Chord”. See the following major triad and its inverted chord.

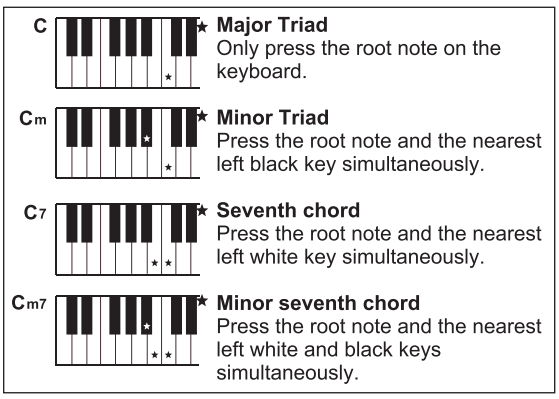


Chord Name

The chord name contains two parts content: Chord root and Chord type.

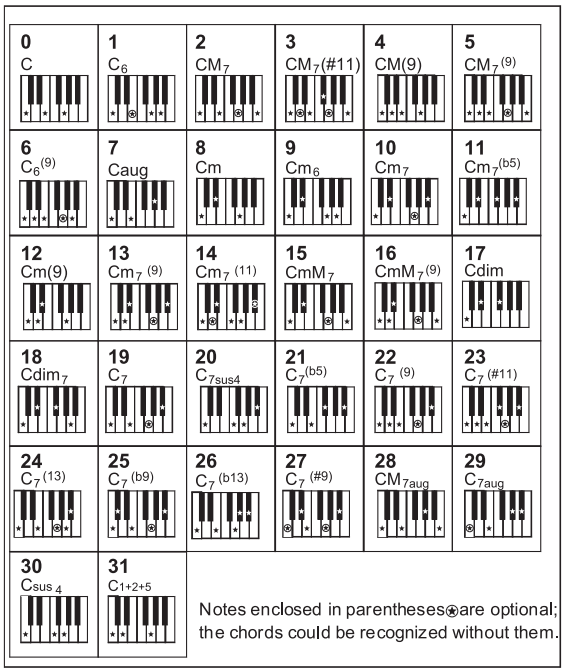
Single Finger

Single-finger makes it simple to produce major, seventh, minor and minor seventh chords by pressing a minimum number of keys on the auto accompaniment section.



Multi-finger
Multi-finger allows you to play chords in normal fingering. Try playing the 32 chord types in C scale as listed on the right.

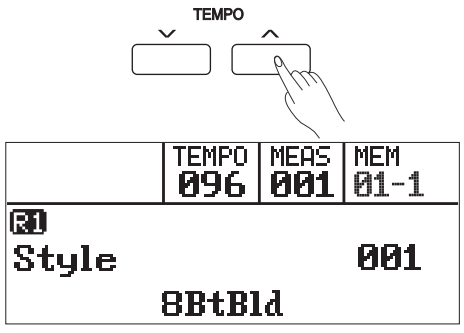
Note:
In full range mode, the entire keyboard will only recognize chords played in normal fingering.



Tempo
Each style of the instrument has been set with a default or standard tempo, however, this can be changed by using the [TEMPO+]/ [TEMPO-] buttons.

1. Use the [TEMPO+] or [TEMPO-] button to change the tempo. While the tempo data is flashing, use the data dial also can change the tempo.

2. Press the [TEMPO+]/[TEMPO-] buttons simultaneously to restore the default tempo setting.

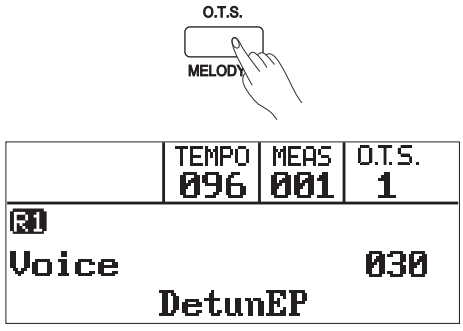


One Touch Setting
When One Touch Setting is switched on, you can instantly recall all auto accompaniment related settings including voices selection and digital effects simply with a single touch of a button.

1. Press the [O.T.S.] button to turn on the One Touch Setting for current style.

2. Press one of the one touch setting buttons [M1]-[M4]. Various panel settings (such as voice, effect, etc.) that match the selected style can be instantly recalled with just a single button press.
   Auto accompaniment is automatically turned on during O.T.S mode.

3. Play the keyboard.
   One Touch Setting parameter list:
   Part ON/OFF (VOICER1, R2, L1)
   Voice Change (VOICER1, R2, L1)
   Voice Volume (VOICER1, R2, L1)
   Voice Reverb Level (VOICER1, R2, L1)
   Voice Chorus Level (VOICER1, R2, L1)



Metronome
Using metronome helps you with beat that guides your playing by preset tempo.

1. Turn on the metronome
   Press the [METRO] button to turn the metronome on.

2. Turn off the metronome
   Press the [METRO] button again to turn the metronome off.

3. Metronome beat type setting
   Please refer to beat type setting.

Note:
The metronome will respond in the next beat if it is turn on when the accompaniment is playing.
When recording, metronome beats cannot be recorded.

Mixer function adjusts separately the volume of different tracks.

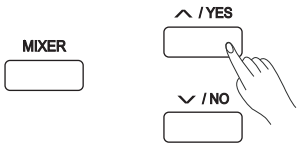
1. Press the [MIXER] button.
   Now you have entered the menu of mixer. Press the [MIXER] button repeatedly to select a track to change its volume.

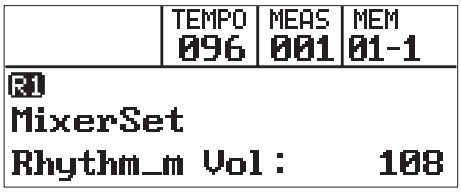
2. To adjust the selected volume setting, please use the data dial or the [+/YES]/[-/NO] button.

   Press [+/YES] and [-/NO] button simultaneously to turn off a track volume.

   Press[+/YES]and[-/NO] button simultaneously again to turn on a track volume.

   The option and parameters are as follows:

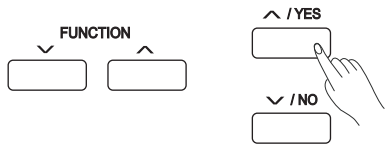




Option	LCD display	Range
Rhythm slave volume	Slave Rhythm: xxx	0 - 127
Rhythm master volume	Master Rhythm: xxx	0 - 127
Bass volume	Bass: xxx	0 - 127
Chord 1 volume	Chord1: xxx	0 - 127
Chord 2 volume	Chord2: xxx	0 - 127
Chord 3 volume	Chord3: xxx	0 - 127
Phrase 1 volume	Phrase1: xxx	0 - 127
Phrase 2 volume	Phrase2: xxx	0 - 127
Voice R1 volume	Upper1: xxx	0 - 127
Voice R2 volume	Upper2: xxx	0 - 127
Voice L volume	Lower: xxx	0 - 127
Disk volume	Disk Vol: xxx	0 - 127

Other Functions

Press [FUNCTION+/-] button to enter function menu. The default option of the menu is "Tune". When you enter the menu next time, you will find the option is the same as last time. Use [FUNCTION+/-] button to select the option to set. Use [+/YES]/[-/NO] or data dial to set parameter of the current menu.



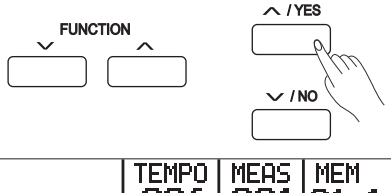
The option and parameters are as follows:

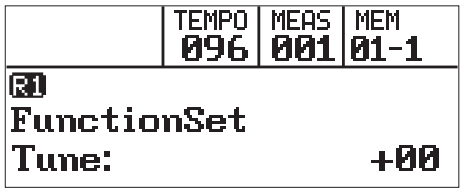
No.	Option	Range	Default
1	Tune	-50~+50	+00
2	Transpose	-12~+12	+00
3	Split Point	1~88	034
4	Beat Type	0，2~9	004
5	Beat Volume	0~127	090
6	Harmony Switch	OFF，ON	OFF
7	Harmony Type	Duet, 1+5, Octave, CtryDuet, Trio, Block, 4Close1, 4Close2, 4Open	Duet
8	Scale Switch	OFF，ON	OFF
9	Scale type	Pythagor, Major, Minor, MeanTone, Werckmei, Kirnberg	Pythagor
10	Scale Root	C，C#，D，D#，E，F，F#，G，G#，A，A#，B	C
11	EQ type	Reset, Pop, Rock, Class, Jazz, Dance	Reset
12	DSP Effect	OFF，ON	ON
13	Reverb Type	Room1, Room2, Room3, Hall1, Hall2, Church, Delay, PanDelay	Hall2
14	Reverb Level	0~127	070
15	Chorus Type	Chorus1, Chorus2, GM Chrs1, GM Chrs2, Flanger1, Flanger2,Rotary1, Rotary2	Chorus1
16	Chorus Level	0~127	000
17	MIDI IN	1~16，ALL	ALL
18	MIDI OUT	1~16	001
19	Touch	OFF，1，2，3	002
20	Language	中文，English	English
21	Power Off	OFF，30，60	030

Tune

This function sets the pitch of entire keyboard in 2-cent increments.

1. Press [FUNCTION+/-] button to select tune menu. LCD displays “Tune: xxx ”. Use [+/YES]/[-/NO] or data dial to change tune value. Its range is from -50 to 50.



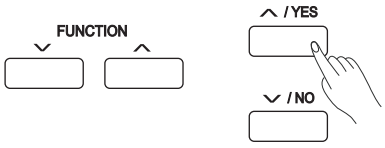


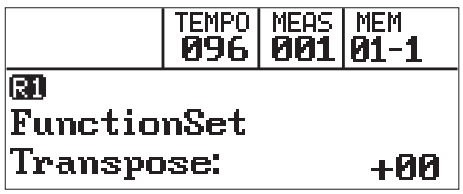
2. Press [+/YES] and [-/NO] simultaneously will set the tune value to its default setting:000.

Transpose

Transpose function allows the overall pitch of the instrument to be transposed up or down by a maximum of one octave in semitone steps.

1. Press [FUNCTION+/-] button to select transpose menu. LCD displays “Transpose: xxx”. Use [+/YES]/[-/NO] or data dial to change transpose value. The max transpose is±12 semitones.





2. Press [+/YES]/[-/NO] simultaneously will set the transpose value to its default setting:000.

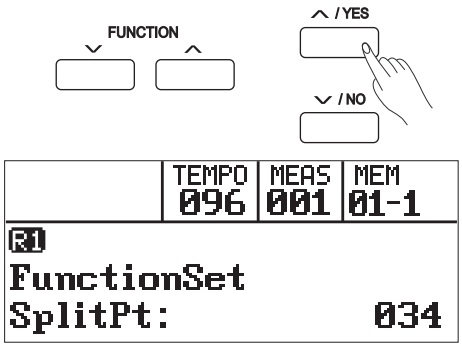
SplitPoint

This function sets the point that separates the entire keyboard to two sections.

1. Press [FUNCTION+/-] button to select SplitPoint menu. LCD displays “SplitPt: xxx”. Use [+/YES]/[-/NO] or data dial to change SplitPoint value. The range of keyspilit: 1~88.

2. Press [+/YES] and [-/NO] simultaneously will set the SplitPoint value to its default setting: F#3(34).

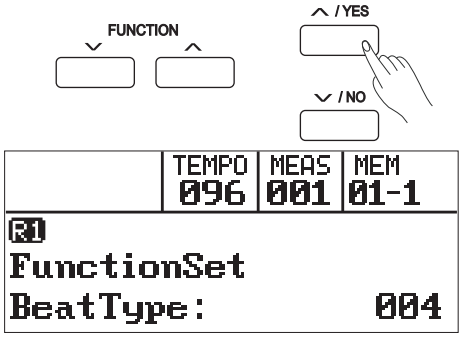
Note:
When twinova is on, the range of keysplit is C3~C6(28~64). Press [+/YES] and [-/NO] simultaneously will set the SplitPoint value to its default setting: E3(32).



Beat Type

1. Press [FUNCTION+/-] button to select BeatType menu. LCD displays “BeatType: xxx”. Use [+/YES]/[-/NO] or data dial to change beat type. The range of beat type: 0, 2~9.

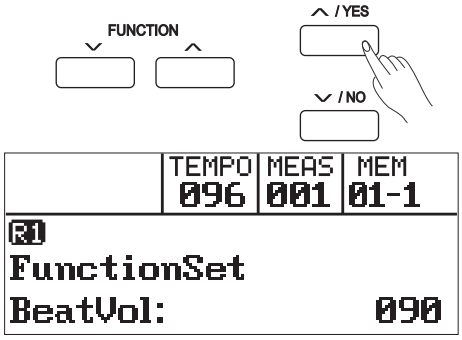
2. Press [+/YES] and [-/NO] simultaneously will set the beat type value to its default setting: 4.



Beat Volume

1. Press [FUNCTION+/-] button to select beat volume menu. LCD displays “BeatVol: xxx”. Use [+/YES]/[-/NO] or data dial to change beat volume. The range of beat volume: 0~127.

2. Press [+/YES] and [-/NO] simultaneously will set the beat volume value to its default setting: 090.



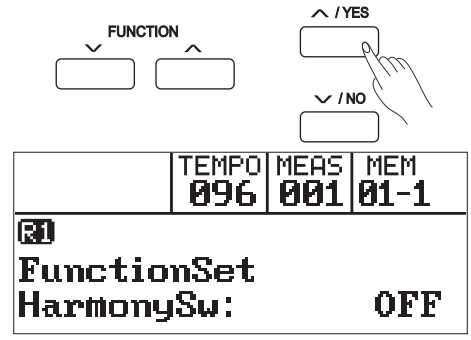
Harmony Switch

1. Press [FUNCTION+/-] button to select harmony switch menu. LCD displays “HarmonySw: xxx”. Use [+/YES]/[-/NO] or data dial to change harmony switch status: OFF,ON.

2. Press [+/YES] and [-/NO] simultaneously will set harmony switch to default setting: OFF.

Playing with harmony:
Turn on the A.B.C function, then play a chord in the left hand area. When you play in the right hand area, it will automatically add a harmony effect to the notes.

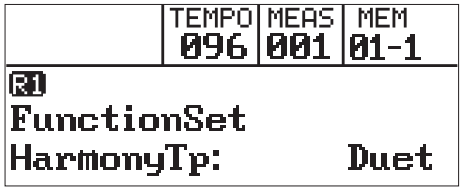
Harmony types “1+5” and “octave” are always available, while the rest are effective only when A.B.C is on.



Harmony Type

You can add a variety of harmony notes to the keys you played in the right-hand section.

1. Press [FUNCTION+/-] button to select harmony type menu. LCD displays “HarmonyTp: xxx”. Use [+/YES]/[-/NO] or data dial to change harmony type.



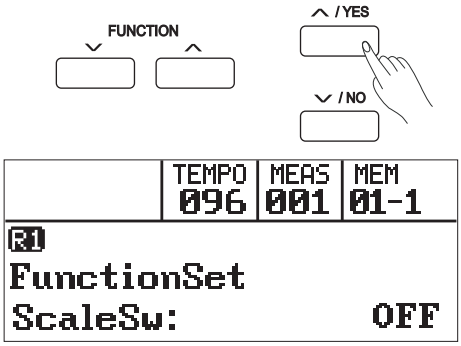
There are 9 harmony types built into this instrument.

Parameter	LCD Display
Duet	Duet
1+5	1+5
Octave	Octave
Country Duet	CtryDuet
Trio	Trio
Block	Block
4 Close 1	4Close1
4 Close 2	4Close2
4 Open	4Open

2. Press [+/YES] and [-/NO] simultaneously will set harmony type to default setting: Duet.

Scale Switch

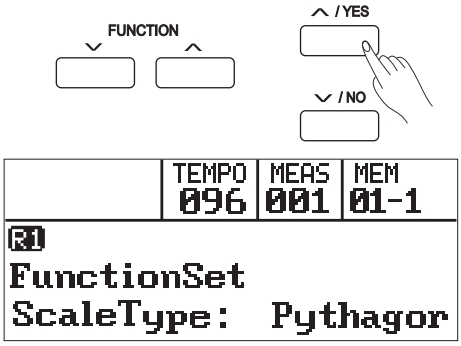
The equal temperament (has only one tuning method, and is suitable for keyboard instrument) is commonly used in modern music, based on this temperament method to make your own composition and performance. Especially for piano, equal temperament is widely used and taken for granted. But people used several other scales to compose and perform before adopting the equal temperament.



1. Press [FUNCTION+/-] button to select scale switch menu. LCD displays “ScaleSw: xxx”. Use [+/YES]/[-/NO] or data dial to change Scale switch status: OFF, ON.

2. Press [+/YES] and [-/NO] simultaneously will set scale switch to default setting: OFF.

Scale Type

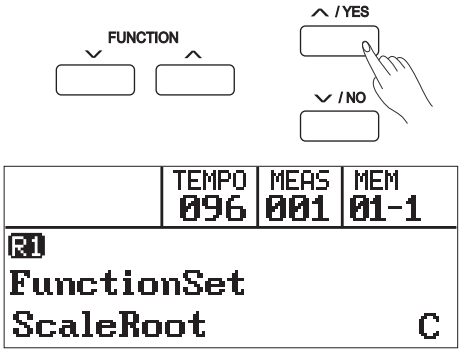


1. Press [FUNCTION+/-] button to select scale type menu.
   LCD displays “ScaleType: xxx”. Use [+/YES]/[-/NO] or data dial to change scale type.
   There are 6 scale types built into this instrument.

Parameter	LCD Display
Pythagorean	Pythagor
Pure Major	Major
Pure Minor	Minor
Meantone	MeanTone
Werkmeister	Werckmei
Kirnberger	Kirnberg

2. Press [+/YES] and [-/NO] simultaneously will set scale type to default setting: Pythagor.

Scale Root



1. Press [FUNCTION+/-] button to select scale root menu.
   LCD displays “ScaleRoot: xxx”. Use [+/YES]/[-/NO] or data dial to change scale root: C, C#, D, D#, E, F, F#, G, G#, A, A#, B.

2. Press [+/YES] and [-/NO] simultaneously will set scale root to default setting: C.

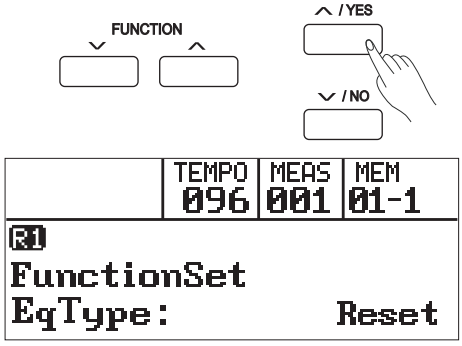
EQ Type

EQ function can control the gain of different frequency band. And different gain settings produce different sound field effects.

1. Press [FUNCTION+/-] button to select EQ type menu.
   LCD displays “EqType: xxx”. Use [+/YES]/[-/NO] or data dial to change EQ type.
   There are 6 EQ types built into this instrument.

Parameter	LCD Display
Reset	Reset
Pop	Pop
Rock	Rock
Class	Class
Jazz	Jazz
Dance	Dance

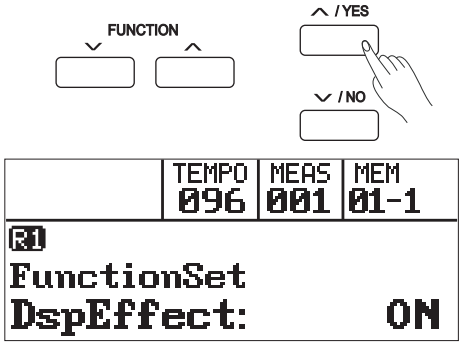
2. Press [+/YES] and [-/NO] simultaneously will set EQ type to default setting: Reset.



DSP Effect

1. Press [FUNCTION+/-] button to select DSP effect menu. LCD displays “DspEffect: xxx”. Use [+/YES]/[-/NO] or data dial to change DSP switch status: OFF, ON.

2. Press [+/YES] and [-/NO] simultaneously will set DSP switch to default setting: ON.

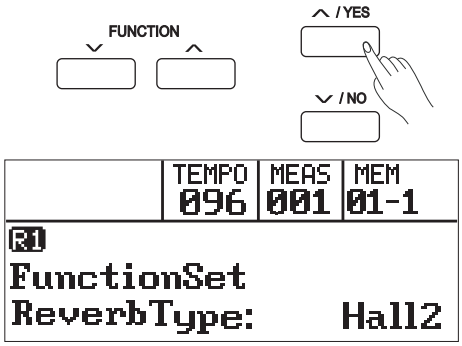


Reverb Type

1. Press [FUNCTION+/-] button to select reverb type menu.
   LCD displays “ReverbType: xxx”. Use [+/YES]/[-/NO] or data dial to change reverb type.
   There are 8 reverb types built into this instrument.

Parameter	LCD Display
Room 1	Room1
Room 2	Room2
Room 3	Room3
Hall 1	Hall1
Hall 2	Hall2
Church	Church
Delay	Delay
Pan Delay	PanDelay

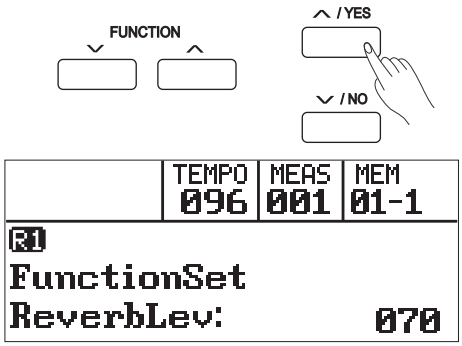
2. Press [+/YES] and [-/NO] simultaneously will set reverb type to default setting: Hall2.



Reverb Level

1. Press [FUNCTION+/-] button to select reverb level menu.
   LCD displays “ReverbLev: xxx”. Use [+/YES]/[-/NO] or data dial to change reverb level.
   The range of reverb level: 0~127.

2. Press [+/YES] and [-/NO] simultaneously will set reverb level to default: 070.

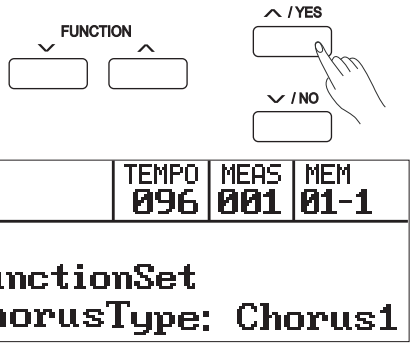


Chorus Type

1. Press [FUNCTION+/-] button to select chorus type menu. LCD displays “ChorusType: xxx”. Use [+/YES]/[-/NO] or data dial to change chorus type.
   There are 8 chorus types built into this instrument.

Parameter	LCD Display
Chorus 1	Chorus1
Chorus 2	Chorus2
GM Chorus 1	GM Chrs1
GM Chorus 2	GM Chrs2
Flanger 1	Flanger1
Flanger 2	Flanger2
Rotary 1	Rotary1
Rotary 2	Rotary2

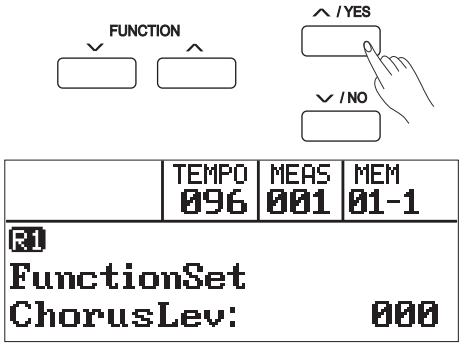
2. Press [+/YES] and [-/NO] simultaneously will set chorus type to default setting: Chorus1.



Chorus Level

1. Press [FUNCTION+/-] button to select chorus level menu. LCD displays “ChorusLev: xxx”. Use [+/YES]/[-/NO] or data dial to change chorus level.
   The range of chorus level: 0~127.

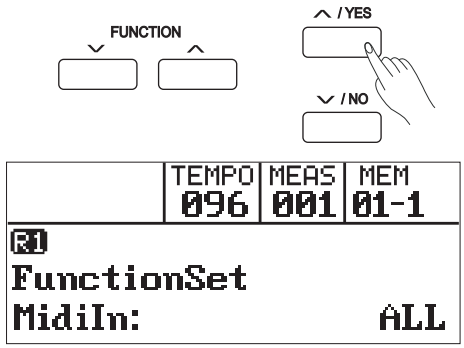
2. Press [+/YES] and [-/NO] simultaneously will set chorus level to default: 000.



MIDI IN

1. Press [FUNCTION+/-] button to select MIDI IN menu. LCD displays “MidiIn: xxx”. Use [+/YES]/[-/NO] or data dial to change MIDI IN channel:1~16,ALL.

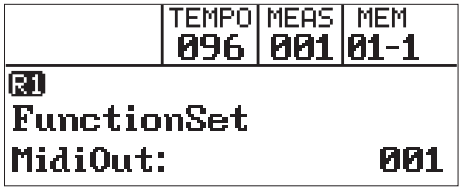
2. Press [+/YES] and [-/NO] simultaneously will set MIDI IN channel to default setting: ALL.



MIDI OUT

1. Press [FUNCTION+/-] button to select MIDI OUT menu. LCD displays “MidiOut: xxx”. Use [+/YES]/[-/NO] or data dial to change MIDI OUT channel:1~16.

2. Press [+/YES] and [-/NO] simultaneously will set MIDI OUT channel to default setting: 001.

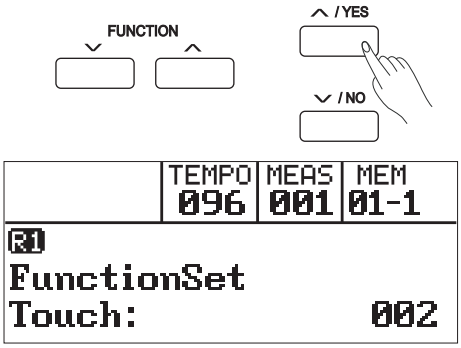


Touch

The keyboard is equipped with a touch response feature that lets you dynamically and expressively controls the level of the voice with your playing strength just as on an acoustic instrument.

1. Press [FUNCTION+/-] button to select touch menu. LCD displays “Touch: xxx”. Use [+/YES]/[-/NO] or data dial to change touch type: OFF, 1(soft), 2(normal), 3(hard).

2. Press [+/YES] and [-/NO] simultaneously will set touch value to default setting: 2(normal).

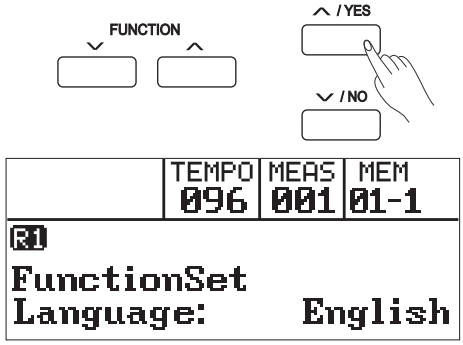


Language

This function is used to set the system language.

1. Press [FUNCTION+/-] button to select language menu. LCD displays “Language: xxx”. Use [+/YES]/[-/NO] or data dial to change language: 中文，English

2. The language setting will not be lost after power off.

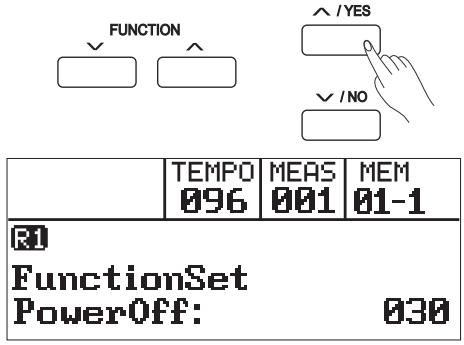


PowerOff

This function is used to set the time of automatic shutdown.

1. Press [FUNCTION+/-] button to select power off menu. LCD displays “PowerOff: xxx”. Use [+/YES]/[-/NO] or data dial to change time value: OFF, 030, 060

2. Press [+/YES] and [-/NO] simultaneously, the time will be restore default: 030 minutes



Register Memory

The keyboard is an instrument with a variety of controls and functions, the Registration Memory feature can make your performance more easily and efficiently. It allows you to save virtually all panel settings to a Registration Memory setting, and you can instantly recall custom panel settings by pressing a single button.

Registering the Panel Setting

1. There are 24 memory banks, each bank has 4 memories (M1-M4).

2. While holding the [STORE] button, press one of the REGISTRATION MEMORY buttons: [M1] - [M4]. Notice that the new settings will replace the previous memory data.

Recalling the Registered Panel Settings

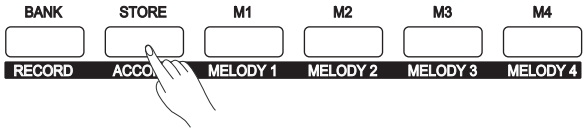
Press one of the MEMORY buttons [M1] - [M4] to recall a panel setting.
For example, press [M3] and LCD shows “01-3”. It will recall a setting from memory 3 of bank 1.

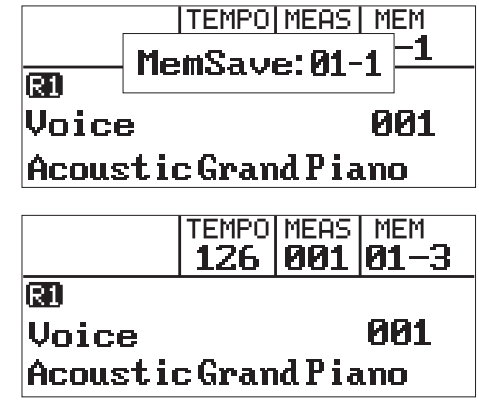
Note:
Registration data cannot be recalled when the One Touch Setting function is on.

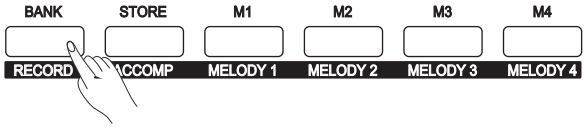
Selecting a Registration Bank

1. Press the [BANK] button. There are 24 banks at all and each bank has 4 memories(M1-M4). Press the [BANK] button, the LCD displays “MemBank” .

2. Select a bank. Use the data Ddal, [+/YES] or [-/NO] button to select a bank from 1 to 24.







Song Recording

With the easy-to-use song recording features, you can record your own keyboard performances as a user song. 10 user songs can be recorded with 6 tracks (1 ACCOMP track, 5 MELODY tracks) each. The accomp track records the accompaniment for a user song, while the melody tracks record melodies for a user song.

An accomp track and a melody track can be recorded independently or together, however, you can not record two melody tracks at the same time.
You can play back the accomp track and melody tracks together. The saved data will not be lost after power off.

Start Recording

Before recording starts, you will need to select a user song to which your recording will be saved.

1. Holding down [SHIFT] button, then press [RECORD] button to enter the user song selection interface. The LCD displays “RecSong1” and sequence number. 10 user songs can be recorded. Press [+/YES] / [-/NO] button to select the user song you want.

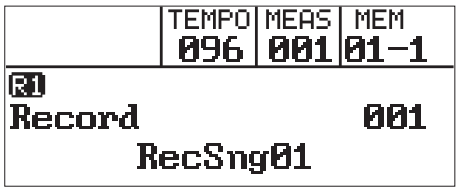
2. Hold down [SHIFT] button, then press [RECORD] button again to enter the recording standby mode. “REC” appears on LCD, and the [START/STOP] LED on the panel lights up.
   It will automatically select an empty track to record your performance. LED of the selected track (ACCOMP, MELODY1 - MELODY 5) will flash on the panel.

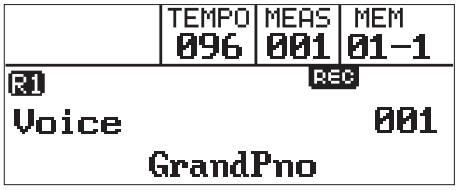
3. In recording standby mode, you can select your desired voice, style and tempo.
   Hold down [SHIFT] button, then Press [Accomp] or [Melody1] - [Melody 5] to select a different track. LED of the selected track will light up on the panel.
   An accomp track and a MELODY track can be recorded together, but it cannot record two melody tracks simultaneously.

4. Press [START/STOP] button or play the keyboard to start recording. The [RECORD] LED will light up.
   When the accomp track is selected and A.B.C is on, recording will start as soon as you play a chord in the left hand area.

Note:
Style can only be recorded in “Accomp” track.
Track indicators on the left of LCD usually shows one of three states: blinking, light up, light off. Press the track buttons repeatedly to shift between different states.
Blinking: the track is selected for recording. All existing data will be over-written.
Light up: the track has data and will play back the data during recording.
Light off: the track either has no data or is under recording and cannot play back.

In recording standby mode, the keyboard will automatically select the empty track next to the occupied track. For example, if “Melody 1” is occupied, “Melody 2” will be selected as the record track. When all 6 tracks have been recorded and a specific track needs to be revised, press the button of that track and start recording. The original data will be replaced.



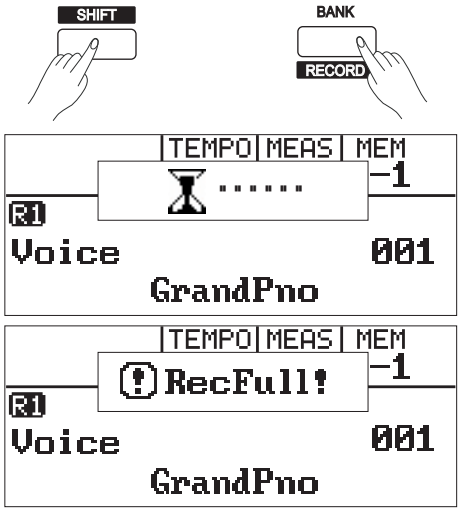


Stop Recording

1. When recording is in process, holding down [SHIFT] button then press the [RECORD] button to stop recording.

2. When recording is in process, if the memory is full, the recording will stop and save automatically, the LCD displays “RecFull”.

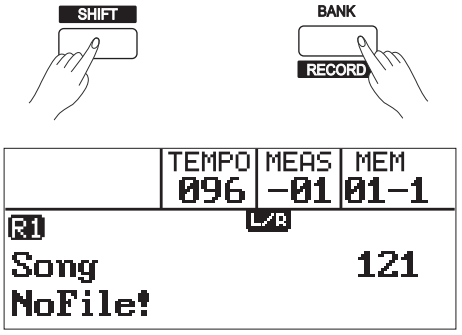
3. If you are recording a style, the recording will stop automatically when the ending of the rhythm finishes.



Playback Recording

1. When recording is in process, holding down [STORE] button then press the [RECORD] button, it will stop recording and enter the song mode, and the current recorded song will play automatically in circle.

2. Press the [SONG] button to enter the song mode and it will play all songs circularly. Use the data dial, [+/YES] or [-/NO] button to select a song, there are 130 songs in all, including 10 user songs (121-130). If there is no data in the selected user song, it will display “Nofile” and stop playing. Alternatively, when the playback stops, you can select a user song and then press [PLAY/STOP] button to play the song in a loop.

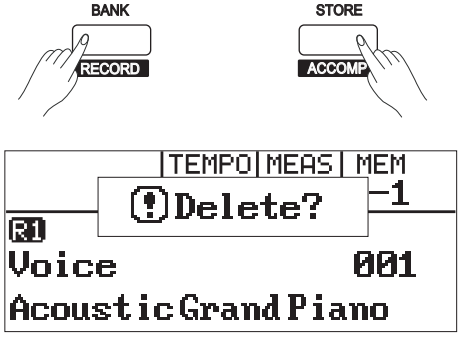


Delete User Song

1. Pressing and holding [RECORD] and [STORE] button together and turn power on simultaneously, all user songs will be erased.

2. In the recording standby mode, holding down [SHIFT] button then press the [RECORD] button for two second, the LCD will display “Delete?”. And holding down [SHIFT] button then press the [Accomp] (or [Melody1] to[Melody 5]) button to select the track you want to delete. The track selected will light up. If all tracks light up, it will delete the user song after confirmation.

3. Press [+/YES] to confirm and the recorded data in this track will be erased. Press [-/NO] to quit this step, and go back to recording standby mode.



Song

The piano has 130 songs in all, including 10 user songs.

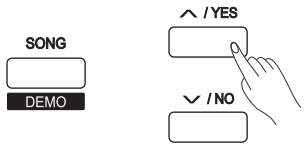
Listening to the songs

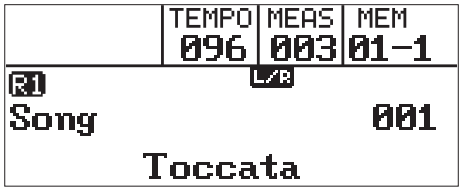
1. Press the [SONG] button to enter the song mode and it will play all songs circularly.

2. Use the data dial, [+/YES] or [-/NO] button to select a song.

3. Once you start playing a song by pressing [START/STOP] button, it will play current song repeatedly.

4. When playback stops, press [STYLE] or [VOICE] button to exit song mode.





Song Control

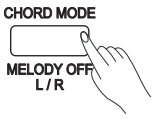
1. Introductory beat
   Before song starts playing, it has the introductory beat, the measure starts from negative value. It begins to play song when the measure goes to 1.

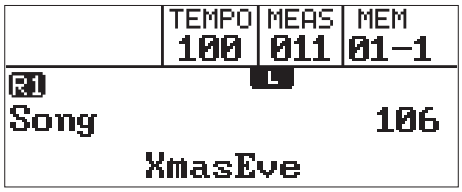
2. REW, FF and PAUSE
   When the song is playing:
   Press the [FF] button to fast forward the song.
   Press the [REW] button to rewind the song (base on the measure).
   Press the [PAUSE] button to pause the playing song.

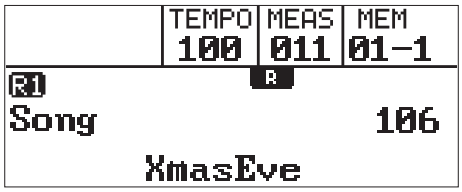
3. Song Repeat
   During song playback, press [REPEAT A/B] button to set the beginning for a loop section of the current song, then press it again to set the loop end. During loop playback, press [REPEAT A/B] button to quit the loop and go back to song playback.

Practice the song

In song mode, press [MELODY OFF L/R] button to turn on/off the left or right hand part, so as to practise each part separately.
A lit “L” on LCD indicates only the left hand melody will play and the right hand part will be muted, so you can practise the right hand melody.
In the same way, a lit “R” on LCD means you can practise the left hand part along with the right hand melody.

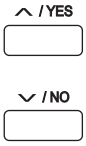






Restore Factory Setting

Pressing and holding [+/YES] and [-/NO] button together and then turn the power on, the piano would be restored to factory setting. It will delete all the user data: user styles, user songs, registered memory. The process will last about 8 seconds, after which the piano will start up normally.



Connecting USB Flash Drive

The piano recognizes USB flash drives, sizing from 16M to 32G in the format of FAT16 or FAT32.
We recommend to format the USB flash drive on the piano before using. Do not edit the backup files saved in the USB flash drive.

USB Flash Drive Operation

1. The function buttons related to USB Flash Drive are: [USB DEVICE], [+/YES], [-/NO], [START/STOP] and the data dial.

2. Press [USB DEVICE] button to enter USB mode, and press it again can quit that mode.

3. If the USB Flash Drive has been inserted before pressing [USB DEVICE] button, the LCD displays a waiting notice, the upper right corner of LCD displays icon . If initialization succeeds, LCD displays “Play”, the icon becomes . If initialization failed, the LCD displays “DiskErr”, and the icon remains . If USB Flash Drive is not inserted, the LCD displays “NoDisk”, the upper right corner of LCD does not display USB Flash Drive icon.

4. In USB mode, use data dial to select menu, press [+/YES] button to proceed, press [-/NO] to go back.

5. In USB mode, it can read a maximum of 512 files in one folder. Icon represents folder, icon represents file.

6. In USB mode, press [USB DEVICE], voice direct button, style direct button can exit USB device mode.

7. Press [MIXER] button can change the volume when playing MIDI file.

8. Loading, Save and Delete operating are intended for the file in “MMKD” folder.

Note:
The “MMKD” folder will be generated automatically when user data is saved to the USB flash drive.

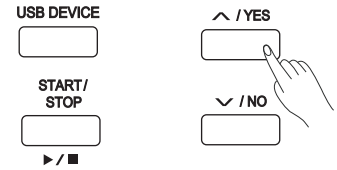
Play

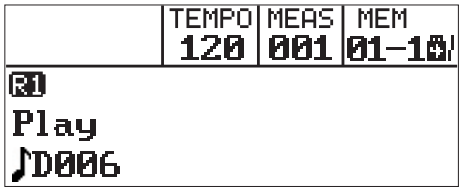
1. Press [USB DEVICE] button to enter USB mode. Then use data dial to select “Play” menu.

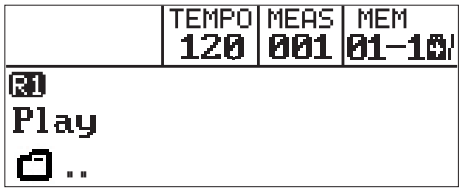
2. Press [+/YES] button, LCD will display the name of MIDI files and sub directories in the root of the USB Flash Drive.

3. If you choose a sub-directory, press [+/YES] button to open the folder, press [-/NO] to return to the root directory. If LCD displays “..”, pressing [+/YES] button will return to the previous directory.

4. Use data dial to select a midi MIDI file, press [START/STOP] button to play it repeatedly. Press [+/YES] button to play all files in the current directory circularly. Press [START/STOP]button again to stop playing,







Save

1. Press [USB DEVICE] button to enter USB mode. Then use data dial to select “Save”.

2. Press [+/YES] to enter “Save” sub menu. It includes “SaveSong”, “SaveSty”, “SaveMem”. Use [+/YES], [-/NO]button or data dial to select one.

Save user song:

1. Select the menu “SaveSong” sub menu and press [+/YES] button, LCD displays the user song name and number. Use the data dial to select the file to save.

2. After selected the user song, press [+/YES]. The LCD prompts to enter file name “SNG_”. Now use keyboard to enter 8 character file name.

3. After entering the file name, press [+/YES]. The LCD prompts to confirm the operation: “Sure?”. Press [+/YES] again to save the file. Press [-/NO] to cancel the operation.

4. If the name you enter is the same with the song name in USB Flash Drive, the LCD prompts “SameName!”. You need to enter a different name to save file.
   Follow the steps above to save a user style or a user memory.

Load

1. Press [USB DEVICE] button to enter USB mode. Then use data dial to select “Load” menu.

2. Press [+/YES] to enter “load” submenu. Load submenu are displayed on LCD, it includes “LoadSong”, “LoadSty”, “LoadMem”. Use [+/YES], [-/NO]button or data dial to select one.

Load Song:

1. Select the menu “LoadSong” and press [+/YES] button, LCD displays the MIDI files(*.midi) in the MMKD\SONG directory of USB Flash Drive. Use the data dial to select the file to load.

2. After selected the midi file, press [+/YES]button , and then use the data dial to select user song number.

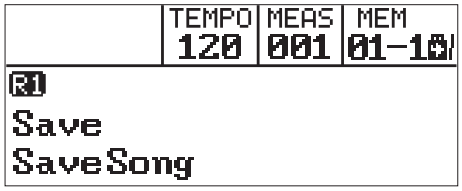
3. After selected the song number, press [+/YES] button, and the LCD displays “Sure?”. Press [+/YES] again to confirm the loading operation. Press [-/NO] to cancel the that operation.

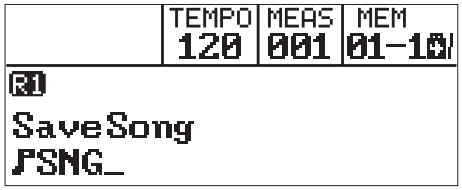
Load Style

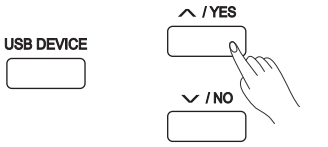
1. Select the menu “LoadSty” and press [+/YES] button, LCD displays the style files(*.sty) in the MMKD\STYLE directory of USB Flash Drive. Use the data dial to select the file to load.

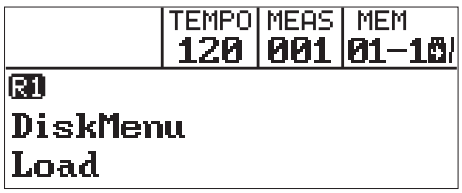
2. After selected the style file, press [+/YES] button, and then use the data dial to select user style number.

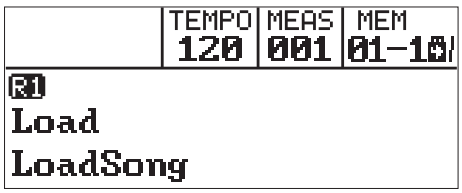
3. After selected the user style number, press [+/YES] button, and the LCD displays “Sure?”. Press [+/YES] again to confirm the loading operation. Press [-/NO] to cancel the that operation.

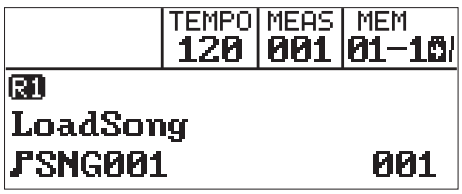


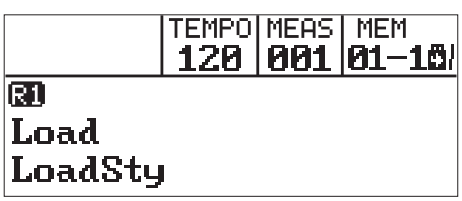










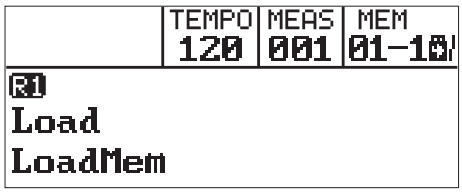


Load Memory

1. Select the menu “LoadMem” and press [+/YES] button, LCD displays the memory files(*.mem) in the MMKD\MEMORY directory of USB Flash Drive. Use the data dial to select the file to load.

2. After selected the memory file, press [+/YES] button, and then use the data dial to select user memory number.

3. After selected the user memory number, press [+/YES] button, and the LCD displays “Sure?”. Press [+/YES] again to confirm the loading operation. Press [-/NO] to cancel the that operation.



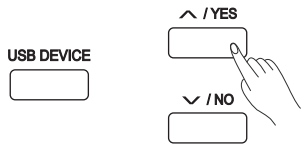
Delete

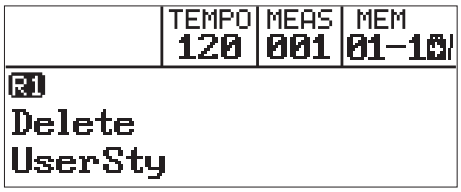
1. Press [USB DEVICE] button to enter USB mode. Then use data dial to select “Delete”.

2. Press [+/YES] to enter “Delete” sub menu. It includes “UserSong”, “UserSty”, “UserMem”. Use [+/YES], [-/NO] button or data dial to select one.

3. After selected file type to delete, press [+/YES] to enter the corresponding menu.

4. After selected the file to delete, press [+/YES], and the LCD displays “Sure?”. Press [+/YES] to confirm, and press [-/NO] to cancel the operation.



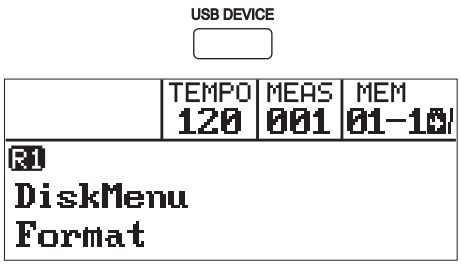


Format

1. Press [USB DEVICE] button to enter USB mode. Then use data dial to select “Format”.

2. Press [+/YES] to confirm. LCD displays “Sure?”, then press [+/YES] to format, press [-/NO] to cancel operation.

Note:
Formation will delete all data in USB Flash Drive!



Keyboard and ASCII Character Relative Table

NOTE	C#2	D2	Eb2	E2	F2	F#2	G2	Ab2	A2	Bb2	B2
LETTER	DEL	BACK	NEXT	A	B	C	D	E	F	G	H

NOTE	C3	C#3	D3	Eb3	E3	F3	F#3	G3	Ab3	A3	Bb3
LETTER	I	J	K	L	M	N	O	P	Q	R	S

NOTE	B3	C4	C#4	D4	Eb4	E4	F4	F#4	G4	Ab4	A4
LETTER	T	U	V	W	X	Y	Z	0	1	2	3

NOTE	Bb4	B4	C5	C#5	D5	Eb5
LETTER	4	5	6	7	8	9

MIDI

By using the MIDI functions you can expand your musical possibilities. This section explains what MIDI is, and what it can do, as well as how you can use MIDI on your instrument.

What's MIDI?

MIDI (short for Musical Instrument Digital Interface) allows a wide variety of electronic musical instruments, computers and other related devices to connect and communicate with one another. MIDI carries event messages that specify notation, pitch and velocity, control signals for parameters such as volume, vibrato, audio panning, and program change information to change the voice selections.

The instrument can output the real-time playback information via MIDI messages and control external MIDI devices. The instrument can also accept incoming MIDI messages and generate sound accordingly.

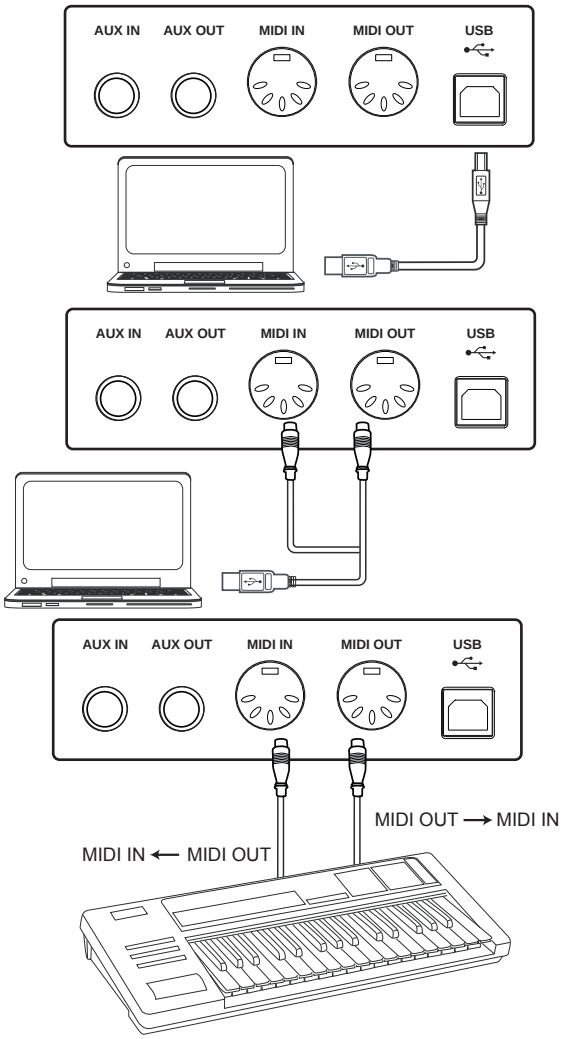
MIDI Terminals

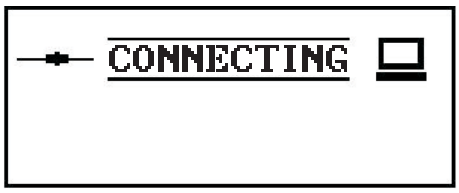
Connect the piano with external MIDI devices with a standard MIDI cable for the exchange of MIDI data.
MIDI IN: Receives MIDI data from a computer.
MIDI OUT: Transmits MIDI data from the piano to an external MIDI device.
MIDI THRU PORT: You can use MIDI cable to link the MIDI THRU port to other MIDI instrument MIDI IN port. The message that the MIDI IN port receives will be auto sent to the MIDI THRU port, so that one MIDI instrument can control many MIDI instrument at the same time.
Connect the MIDI OUT of other Device to the MIDI IN jack on the rear panel, this instrument will work as a sound module.
Connect the MIDI IN of other Device to the MIDI OUT jack on the rear panel. this instrument will work as a MIDI controller.

Downloading Data from the Computer

Connect a standard USB cable between the rear-panel of the USB jack of the instrument and the USB jack on your computer.
Power on the instrument first, and then open the PCSUITE software in your computer, the “CONNECTING” will be displayed on LCD. The PCSUITE will connect successfully with the instrument.

You can download 10 SMF MIDI files to the keyboard as user songs or upload the user songs.
You can upload user styles to the computer as a backup or download them to the keyboard.
You can upload memory files to the computer as a backup or download them to the keyboard.
Please refer to software operation instructions for detail operating methods.





Troubleshooting

Problem	Possible Cause and Solution
The speakers produce a pop sound whenever the power is turned ON or OFF.	This is normal and is no cause for alarm.
No sound when the keyboard is played.	Make sure the master volume is set to an appropriate level. Check if headphones are plugged into Jack 2. The R1/R2/L voice volume (Mixer) settings could be set too low. Make sure the voice volumes are set at appropriate levels.
When using a mobile phone, noise is produced.	Using a mobile phone in close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it further away from the instrument.
The auto accompaniment does not play back even Sync is in standby condition and a key is pressed.	You may be trying to start accompaniment by playing a key in the right-hand range of the keyboard. To start the accompaniment with Sync Start, make sure to play a key in the left-hand range of the keyboard.
Certain notes sound at wrong pitch.	Make sure that the tuning value is set to 0. Press and hold the [+/YES] and [-/NO] buttons at the same time, then turning the power on will set INSTRUMENT to default.
The Harmony function does not operate.	Please make sure the Harmony function is on. And Harmony cannot be turned on when a drum kit is selected for the voice R1.
After connecting with the computer, the piano is not recognized.	Please check if the USB cable is being connected firmly, or try connecting another USB port of the computer,without the need to install another driver on the PC.

Specifications

LCD Display
Multi-functional LCD

Keyboard
88 Hammer-Action Keys

Polyphony
128

Voice
600

Song
120 preset songs, 10 user songs

Style
230 preset styles, 10 user styles

Demo
5

Control button
Power Switch, Volume knob, Brilliance knob, Styles, Tempo+/-, Acc Vol, Mixer, Function+/-, Start/Stop, Sync Start, Intro/ Ending, Fill A, Fill B, Fill C Fill D, Chord Mode, Voices, Dual, Lower, USB Device, Metro, Twinova, Octave, Song, Bank, Store, M1-M4, O.T.S., Shift, Demo, +/Yes, -/No, Data dial, Melody off L/R

Record Function
Record, Accomp, Melody 1-5

Memory
96

Connectors
PHONES (2 standard. ¼" phone),AUX IN, AUX OUT
USB-MIDI, MIDI IN/OUT, USB Device Jack
Pedals (Sustain, Soft, Sostenuto)

Power Supply
AC 220~240V, 50Hz

Speaker
HIGH 8Ω 10W X2
LOW 6Ω 40W X2

Dimensions
1368(L)x525(W)x890(H)mm

Weight
56KG

* All specifications and appearances are subject to change without notice.

Voice List

No.	Full Name
Piano	
1	Acoustic Grand Piano
2	Acoustic Grand Piano 2
3	Acoustic Grand Piano 3
4	Acoustic Grand Piano (wide)
5	Acoustic Grand Piano (dark)
6	Bright Acoustic Piano
7	Bright Acoustic Piano 2
8	Bright Acoustic Piano 3
9	Bright Acoustic Piano (wide)
10	Electric Grand Piano
11	Electric Grand Piano 2
12	Electric Grand Piano (wide)
13	Electric Grand Piano (dark)
14	Honky Tonk Piano
15	Honky Tonk Piano 2
16	Honky Tonk Piano (wide)
17	Honky Tonk Piano (dark)
18	Harpsichord
19	Harpsichord 2
20	Harpsichord (octave mix)
21	Harpsichord (wide)
22	Harpsichord (with key off)
23	Octave Grand Piano
24	Octave Grand Piano 2
25	Piano & Strings
26	Piano & Pad
27	Piano & Choir
28	Piano & EP
29	Piano & Vibraphone
30	Detuned Electric Piano
31	Detuned Electric Piano 2
32	Electric Piano
33	Electric Piano 2
34	Electric Piano 3
35	Electric Piano 4
36	Electric Piano 1 (velocity mix)
37	Electric Piano 2 (velocity mix)
38	60's Electric Piano
39	EP Legend
40	Phase EP
41	Clavi
42	Clavi 2
43	Phase Clavi
44	Wah Clavi
45	Pulse Clavi
46	Dream EP
47	Tremolo EP
48	Funk EP
49	Warm EP
50	Choir EP
51	Wah EP
52	Modern EP
53	EP Pad
Chromatic Percussion	
54	Celesta
55	Celesta 2
56	Celesta 3
57	Glockenspie
58	Glockenspiel 2
59	Music Box
60	Music Box 2
61	Music Box 3
62	Vibraphone
63	Vibraphone 2
64	Vibraphone (wide)
65	Marimba
66	Marimba 2
67	Marimba (wide)
68	Xylophone
69	Xylophone 2
70	Xylophone 3
71	Tubular Bells
72	Tubular Bells 2
73	Church Bell
74	Carillon
75	Dulcimer
76	Dulcimer 2
77	Santur
Organ	
78	Italian 60's Organ
79	Drawbar Organ
80	Drawbar Organ 2
81	Detuned Drawbar Organ
82	Drawbar Organ 3
83	Detuned Percussive Organ
84	Percussive Organ
85	Percussive Organ 2
86	70's Percussive Organ
87	Percussive Organ 3
88	Rock Organ
89	Rock Organ 2
90	Rock Organ 3
91	Church Organ
92	Church Organ 2
93	Church Organ 3
94	Church Organ (octave mix)
95	Detuned Church Organ
96	Reed Organ
97	Reed Organ 2
98	Rotary Organ
99	Puff Organ
100	Accordion
101	Accordion 2
102	Accordion 3
103	Harmonica
104	Harmonica 2
105	Harmonica 3
106	Tango Accordion
107	Tango Accordion 2
Guitar	
108	Acoustic Guitar (nylon)
109	Acoustic Guitar (nylon) 2
110	Acoustic Guitar (nylon) 3
111	Acoustic Guitar (nylon + key off)

112	Ukulele
113	Acoustic Guitar (steel)
114	Acoustic Guitar (steel) 2
115	12-Strings Guitar
116	Mandolin
117	Mandolin 2
118	Steel Guitar with Body Sound
119	Electric Guitar (jazz)
120	Electric Guitar (jazz) 2
121	Electric Guitar (pedal steel)
122	Electric Guitar (clean)
123	Electric Guitar (clean) 2
124	Electric Guitar (detuned clean)
125	Mid Tone Guitar
126	Electric Guitar (muted)
127	Electric Guitar (muted) 2
128	Electric Guitar (funky cutting)
129	Electric Guitar (muted velo-sw)
130	Jazz Man
131	Overdriven Guitar
132	Overdriven Guitar 2
133	Guitar Pinch
134	Distortion Guitar
135	Distortion Guitar 2
136	Distortion Guitar (with feedback)
137	Guitar Feedback
138	Distorted Rhythm Guitar
139	Guitar Harmonics
140	Guitar Harmonics 2
141	Velocity Nylon Guitar
Bass	
142	Acoustic Bass
143	Acoustic Bass 2
144	Wah Bass
145	Electric Bass (finger)
146	Finger Slap Bass
147	Electric Bass (pick)
148	Electric Bass (pick) 2
149	Fretless Bass
150	Fretless Bass 2
151	Slap Bass
152	Slap Bass 2
153	Slap Bass 3
154	Slap Bass 4
155	Synth Bass
156	Synth Bass 2
157	Synth Bass 3
158	Synth Bass 4
159	Warm Synth Bass
160	Rsonance SynBass
161	Clavi Bass
162	Hammer
163	Attack Bass
164	Synth Bass (rubber)
165	Synth Bass (rubber) 2
166	Attack Pulse
Strings & Orchestral	
167	Violin
168	Violin 2

169	Violin (slow attack)
170	Viola
171	Viola 2
172	Cello
173	Cello 2
174	Contrabass
175	Contrabass 2
176	Tremolo Strings
177	Tremolo Strings 2
178	Tremolo Strings 3
179	Pizzicato Strings
180	Pizzicato Strings 2
181	Orchestral Harp
182	Orchestral Harp 2
183	Yang Chin
184	Timpani
185	Timpani 2
186	String Ensembles
187	String Ensembles 2
188	String Ensembles 3
189	String Ensembles 4
190	Strings & Brass
191	60's Strings
192	Synth Strings
193	Synth Strings 2
194	Synth Strings 3
195	Synth Strings 4
196	Synth Strings 5
197	Choir Aahs
198	Choir Aahs 2
199	Choir Aahs 3
200	Voice Oohs
201	Voice Oohs 2
202	Humming
203	Anlong Voice
204	Synth Voice
205	Synth Voice 2
206	Orchestra Hit
207	Orchestra Hit 2
208	Bass Hit Plus
209	6th Hit
210	Euro Hit
Brass	
211	Trumpet
212	Trumpet 2
213	Dark Trumpet
214	Trombone
215	Trombone 2
216	Trombone 3
217	Bright Trombone
218	Tuba
219	Tuba 2
220	Muted Trumpet
221	Muted Trumpet 2
222	Muted Trumpet 3
223	French Horn
224	French Horn 2
225	French Horn 3

226	Brass Section
227	Brass Section 2
228	Brass Section 3
229	Synth Brass
230	Synth Brass 2
231	Synth Brass 3
232	Synth Brass 4
233	Synth Brass 5
234	Synth Brass 6
235	Synth Brass 7
236	Synth Brass 8
237	Analog Synth Brass
238	Analog Synth Brass 2
239	Analog Synth Brass 3
240	Jump Brass
241	Jump Brass 2
242	Funny
243	Funny 2
Reed	
244	Soprano Sax
245	Soprano Sax 2
246	Soprano Sax 3
247	Alto Sax
248	Alto Sax 2
249	Alto Sax 3
250	Tenor Sax
251	Tenor Sax 2
252	Tenor Sax 3
253	Baritone Sax
254	Baritone Sax 2
255	Baritone Sax 3
256	Oboe
257	Oboe 2
258	Oboe 3
259	2 Oboes
260	English Horn
261	English Horn 2
262	English Horn 3
263	2 English Horns
264	Bassoon
265	Bassoon 2
266	Bassoon 3
267	2 Bassoons
268	Clarinet
269	Clarinet 2
270	Clarinet 3
271	2 Clarinets
Pipe	
272	Piccolo
273	Piccolo 2
274	Piccolo 3
275	2 Piccolos
276	Sweet Flute
277	Flute
278	Flute 2
279	Flute 3
280	2 Flutes
281	Recorder
282	Recorder 2
283	2 Recorders
284	Pan Flute
285	Pan Flute 2
286	Sweet Pan Flute
287	Blown Bottle
288	Blown Bottle 2
289	Shakuhachi
290	Shakuhachi 2
291	Whistle
292	Whistle 2
293	Ocarina
294	Ocarina 2
Synth Lead	
295	Lead 1 (square)
296	Lead 1a (square) 2
297	Lead 1 (square) 3
298	Lead 1b (sine)
299	Lead 2 (sawtooth)
300	Lead 2a (sawtooth) 2
301	Lead 2 (sawtooth) 3
302	Lead 2b (saw + pulse)
303	Lead 2c (double sawtooth)
304	Lead 2d (sequenced analog)
305	Lead 2d (sequenced analog) 2
306	Wavy Sawtooth
307	Bauble Lead
308	Super Analog
309	Lead 3 (calliope)
310	Lead 3 (calliope) 2
311	Lead 4 (chiff)
312	Lead 4 (chiff) 2
313	Lead 4 (chiff) 3
314	Lead 5 (charang)
315	Lead 5 (charang) 2
316	Lead 5 (charang) 3
317	Lead 5 (charang) 4
318	Lead 5a (wire lead)
319	Lead 5a (wire lead) 2
320	Lead 6 (voice)
321	Lead 6 (voice) 2
322	Lead 7 (fifths)
323	Lead 7 (fifths) 2
324	Lead 8 (bass + lead)
325	Lead 8 (bass + lead) 2
326	Lead 8 (bass + lead) 3
327	Lead 8a (soft wrl)
328	Massiness
329	Square
330	Slow Square Lead
331	Sine Solo
332	Square Lead 4
333	Thick Square
334	2Oscillators Lead
335	Wavy Sawtooth 2
336	Analog Lead
337	Big Lead
338	Fat Lead

339	PWM 4th
340	Delayed Lead
341	Delayed Lead 2
342	Fifth Lead
343	Corrie
344	Quint
Synth Pad	
345	Pad 1 (new age)
346	Pad 1 (new age) 2
347	Pad 2 (warm)
348	Pad 2 (warm) 2
349	Pad 2a (sine pad)
350	Pad 3 (polysynth)
351	Pad 3 (polysynth) 2
352	Pad 3 (polysynth) 3
353	Pad 3 (polysynth) 4
354	Pad 4 (choir)
355	Pad 4 (choir) 2
356	Pad 4a (itopia)
357	Pad 5 (bowed)
358	Pad 5 (bowed) 2
359	Pad 6 (metallic)
360	Pad 6 (metallic) 2
361	Pad 7 (halo)
362	Pad 7 (halo) 2
363	Pad 8 (sweep)
364	Pad 8 (sweep) 2
365	Pad 8 (sweep) 3
366	Pan Pad
367	Pan Pad 2
368	Dipolar Pad
369	PWM Pad
370	Warmly Pad
371	Horn Pad
372	Click Pad
373	Analog Pad
374	80's Poly Pad
375	PWM 4th Soft
376	Synth Calliope Soft
377	Soft Vox
378	5th SawWave
379	5th Lead Soft
380	Slow Square
381	New Year Pad
382	Space Voice
383	Rising
384	Congregate
Synth SFX	
385	FX 1 (rain)
386	FX 1 (rain) 2
387	FX 2 (soundtrack)
388	FX 2 (soundtrack) 2
389	Prelude
390	FX 3 (crystal)
391	FX 3 (crystal) 2
392	FX 3a (synth mallet)
393	FX 4 (atmosphere)
394	FX 4 (atmosphere) 2
395	Warm Air
396	FX 5 (brightness)
397	Smog
398	FX 6 (goblins)
399	FX 6 (goblins) 2
400	Choir Bell
401	Choir Bell 2
402	FX 7 (echoes)
403	FX 7 (echoes) 2
404	FX 7b (echo pan)
405	FX 7a (echo bell)
406	FX 7a (echo bell) 2
407	FX 7a (echo bell) 3
408	FX 8 (sci-fi)
409	FX 8 (sci-fi) 2
Ethnic Misc.	
410	Sitar
411	Sitar 2
412	Banjo
413	Banjo 2
414	Shamisen
415	Shamisen 2
416	Koto
417	Koto 2
418	Taisho Koto
419	Kalimba
420	Kalimba 2
421	Bag Pipe
422	Bag Pipe 2
423	Fiddle
424	Fiddle 2
425	Fiddle 3
426	Shanai
427	Shanai 2
Percussive	
428	Tinkle Bell
429	Agogo
430	Steel Drums
431	Woodblock
432	Castanets
433	Taiko Drum
434	Concert Bass Drum
435	Acoustic Bass Drum
436	Jazz Kick
437	Side Stick
438	Analog Rim Shot
439	Acoustic Snare
440	Jazz Snare
441	Brush Tap
442	Concert SD
443	Hand Clap
444	Tom
445	Brush Tom
446	Closed Hi-hat
447	Analog Closed Hi-hat
448	Pedal Hi-hat
449	Open Hi-hat
450	Crash Cymbal
451	Analog Cymbal
452	Ride Cymbal
453	China Cymbal
454	Ride Bell
455	Tambourine
456	Splash Cymbal
457	Cowbell
458	Analog Cowbell
459	High Bongo
460	Low Bongo
461	Mute Hi Conga
462	Open Hi Conga
463	Low Conga
464	Analog Hi Conga
465	Analog Mid Conga
466	Analog Low Conga
467	High Timbale
468	Low Timbale
469	Cabasa
470	Maracas
471	Analog Maracas
472	Short Guiro
473	Long Guiro
474	Claves
475	Mute Cuica
476	Open Cuica
477	Mute Triangle
478	Open Triangle
479	Shaker
480	Mute Surdo
481	Open Surdo
482	Melodic Tom
483	Melodic Tom 2
484	Synth Drum
485	Rhythm Box Tom
486	Electric Drum
487	Reverse Cymbal
SFX	
488	Guitar Fret Noise
489	Guitar Cutting Noise
490	Acoustic Bass String Slap
491	Breath Noise
492	Flute Key Click
493	Seashore
494	Rain
495	Thunder
496	Wind
497	Stream
498	Bubble
499	Bird Tweet
500	Bird Tweet 2
501	Dog
502	Horse Gallop
503	Telephone Ring
504	Telephone Ring 2
505	Door Creaking
506	Door
507	Scratch

508	Wind Chime
509	Helicopter
510	Car Engine
511	Car Stop
512	Car Pass
513	Car Crash
514	Siren
515	Train
516	Jetplane
517	Starship
518	Burst Noise
519	Applause
520	Laughing
521	Screaming
522	Punch
523	Heart Beat
524	Footsteps
525	Gunshot
526	Machine Gun
527	Lasergun
528	Explosion
Combined Voice	
529	Stereo Piano & Strings Pad
530	Stereo Piano & Choir
531	Stereo Piano & Synth Strings
532	Stereo Piano & Warm Pad
533	Stereo Piano & Soft EP
534	FM Electric Piano
535	Digital Piano
536	E.Piano & Strings
537	E.Piano & Acoustic Guitar
538	E.Piano & Vibraphone
539	E.Piano 2 & Pad
540	E.Piano 2 & Strings
541	Harpsichord & Stereo Strings
542	Music Box & Stereo Strings
543	Vibraphone & Stereo Strings
544	Vibraphone Octave
545	Vibraphone & Marimba & Kalimba
546	Marimba & Kalimba
547	Marimba Delay
548	Xylophone Octave
549	Organ & Stereo Strings
550	Stereo Organ & Piano
551	Rock Organ & Strings
552	Church Organ & Choir
553	Church Organ & Strings
554	Acoustic Guitar & Flute
555	Acoustic Guitar & Clavi
556	24 String Guitar
557	Steel Guitar & Warm Pad
558	Stereo Strings & Horn
559	Orchestra
560	Full Strings
561	Full Strings 2
562	Symphonic
563	Stereo Choir & Strings
564	Stereo Choir & Steel Guitar

565	3 Trumpet Loose
566	Trombone & Stereo Strings
567	3 Trombones Loose
568	3 Muted Trumpets Loose
569	Club Brass
570	Brass & Woodwinds
571	Woodwinds & Strings
572	Section Woods Small
573	Pan Flute & Strings Pad
574	Koto & Shamisen
575	Flute & Clarinet
576	Flute & Oboe
577	Flute & Bassoon
578	Flute & Oboe & Clarinet
579	Flute & Clarinet & Bassoon
580	Flute & Oboe & Bassoon
581	Flute Octave
582	Flute & Oboe Octave
583	Flute & Clarinet Octave
584	Oboe & Bassoon
585	Oboe & Clarinet
586	Oboe & Clarinet & Bassoon
587	Oboe Octave
588	Oboe & Clarinet Octave
589	Oboe & Bassoon Octave
590	Clarinet & Bassoon
591	Clarinet & Oboe Octave
Drums	
592	Standard Set
593	Room Set
594	Power Set
595	Electronic Set
596	Analog Set
597	Jazz Set
598	Brush Set
599	Orchestra Set
600	SFX Set

NO.	Name
8 BEAT	
1	8Beat Ballad
2	8Beat Piano
3	8Beat 1
4	Guitar Pop 1
5	8Beat Hip Hop
6	8Beat Blues Rock
7	8Beat Pop
8	Pop Funk 1
9	Rhythm&Beat 1
10	8Beat Disco 1
11	8Beat Rock
12	Guitar Pop 2
13	8Beat 2
14	Sweet Beat
15	8Beat Dance
16	8Beat Disco 2
17	Pop Funk 2
18	8Beat 3
19	60's 8Beat
20	Rhythm&Beat 2
16 BEAT	
21	16Beat 1
22	16Beat Funk 1
23	16Beat Ballad 1
24	16Beat R&B
25	Pop 16Beat 1
26	16Beat Funk 2
27	16Beat Dance
28	Pop 16Beat 2
29	16Beat 2
30	Pop 16Beat 3
31	Pop 16Beat 4
32	Modern 16Beat
33	16Beat Hot
34	16Beat Modern
35	16Beat Funk 3
36	16Beat 3
37	Cool Beat
38	16Beat Ballad 2
39	16Beat 4
40	Pop Shuffle
POP & BALLAD	
41	Pop Rock 1
42	Pop Dance 1
43	Pop Fusion
44	Analog Night 1
45	6/8 Pop
46	Brit. Pop 1
47	Brit. Pop 2
48	Pop Hit
49	Fusion Shuffle
50	Analog Night 2
51	Guitar Pop 3
52	Pop Beat
53	Soft Beat
54	60's Pop
55	Sting Latin
56	R&B Ballad 1
57	Guitar Ballad
58	Ballad Rock
59	Piano Pop
60	Soft Ballad
61	Natural Ballad
62	Love Ballad
63	Easy Ballad
64	Miami Folk
65	Slow Ballad
66	Folk Ballad
67	Pop Ballad 1
68	Pop Ballad 2
69	EP Ballad
70	New R&B Ballad
ROCK	
71	Rock
72	New Wave
73	Ska
74	Pop Rock 2
75	Slow Rock
76	70's Rock&Roll
77	Folk Rock
78	Soft Rock
79	Old Rock
80	Easy Rock
81	New Shuffle
82	Rock Hip Hop
83	Rock&Roll 1
84	Rock Shuffle
85	Rock&Roll 2
BALLROOM	
86	Tango 1
87	Spain Matador
88	Twist 1
89	Twist 2
90	Big Band Fox
91	Tango 2
92	Slow Fox
93	Slow Waltz 1
94	Swing Fox
95	Salsa 1
96	Cha Cha 1
97	Cha Cha 2
98	Beguine 1
99	Beguine 2
100	Rumba 1
101	Samba 1
102	Samba 2
103	Jive
104	Fox Trot
DANCE	
105	Techno 1
106	Hip Hop 1
107	House 1
108	Down Beat
109	Progressive
110	Rap 1
111	Disco
112	Soft Disco
113	70's Disco
114	Club Dance
115	Euro Dance
116	Garage
SOUL & FUNK	
117	Funk 1
118	Classic Funk
119	Jay R&B
120	Gospel Swing
121	Gospel
122	Funk 2
123	Electric Funk
124	Groove Funk
125	Rubber Funk
126	Cool Funky
127	Jazz Funk
128	Groove
129	Soul
130	Hip Hop Soul
131	Hip Hop Beat
132	R&B
133	Soul Beat
134	British Soul Pop
135	Latin Jazz 1
136	Big Band 1
137	Dixieland 1
138	Guitar Swing 1
139	Broadway Big Band
140	Swing
141	Latin Jazz 2
142	Fusion
143	Acid Jazz
144	Cool Jazz Ballad
145	Swing Shuffle
146	Big Band Medium
147	Dixieland 2
148	Acoustic Jazz
149	Guitar Swing 2
150	Ragtime
151	Modern Jazz Ballad
152	Swing Ballad
153	Orchestra Swing
COUNTRY	
154	Country Pop 1
155	Bluegrass 1
156	8Beat Country
157	Modern Country
158	Country Pop 2
159	Bluegrass 2
160	2/4 Country
161	Country Quick Steps
162	Country Folk
163	Country Shuffle
LATIN&LATIN DANCE	
164	Samba 3

165	Bossa Nova
166	Latin
167	New Reggae
168	Reggae Dance
169	Paso Doble
170	Lite Bossa
171	Latin Rock
172	Beguine 3
173	Slow Bolero
174	Disco Samba
175	Mambo
176	Meneito
177	Rumba 2
178	Rumba 3
179	Tikitikita
180	Lambada
181	Pop Cha Cha 1
WALTZ&TRADITIONAL	
182	Waltz
183	Old Waltz
184	English Waltz
185	German Waltz
186	Italian Mazurka
187	Mexico Waltz
188	Vienna Waltz
189	Slow Waltz 2
190	Jazz Waltz
191	Polka
192	6/8 March
193	German Polka
194	Party Polka
195	Army March
196	March
197	US March
198	Musette
199	French Musette
200	Mazurka
WORLD	
201	Enka Ballad
202	Laendler
203	Hawaiian
204	Sirtake
205	Dangdut
206	6/8 Flipper
207	New Age
208	Tarantella
209	Scottish
210	Norteno
PIANIST	
211	Pianist 1
212	Pianist 2
213	Pianist 3
214	March 1
215	March 2
216	Pop Waltz
217	Slow Waltz
218	Pop Bossa
219	Jazz Pub

220	Jazz 1
221	Jazz 2
222	Piano Rock
223	Blues 1
224	Piano Beat
225	Piano Bar
226	Pop 1
227	Pop 2
228	Ballad 1
229	Ballad 2
230	6/8 Ballad

Song List

No.	Name
FOLK & COUNTRY	
1	Toccata
2	Carry Me Back To Old Virginny
3	El Condor Pasa
4	Five Hundred Miles
5	Green Grass Of Home
6	Greensleeves
7	Home Sweet Home
8	La Mer
9	Long Long Ago
10	Massachusetts
11	Moon River
12	My Darling Clementine
13	Never On Sunday
14	Oh! Carol
15	Oh! Susanna
16	The Girl From Ipanema
17	Tombe La Neige
18	You Are My Sunshine
GOLDEN & POP	
19	A Whiter Shade Of Pale
20	Again
21	Mambo No. 5
22	Are You Lonesome Tonight?
23	Around The World
24	Auld Lang Syne
25	Ave Maria
26	Beyond The Reef
27	Blue Tango
28	Brazil
29	Bridal March
30	Can't Help Fallin' In Love
31	Chanson Du Toreador
32	Danny Boy
33	Do Re Mi
34	Ebb Tide
35	Fly Me To The Moon
36	Happy Birthday To You
37	Hey Jude
38	How Deep Is Your Love
39	If
40	In The Mood
41	Jingle Bells
42	Joy To The World
43	La Paloma
44	La Playa
45	La Reine De Saba
46	Lara's Theme From "Doctor Zhivago"
47	Always In My Heart
48	Mambo No. 8
49	Misty
50	My Way
51	Annie Laurie
52	One Way Ticket To The Blues
53	Only You
54	Petite Fleurische Tanz
55	Red River Valley
56	Rhythm Of The Rain
57	Rock Around The Clock
58	Sail Along Silv'ry Moon
59	Sealed With A Kiss
60	Siboney
61	Silent Night
62	Speak Softly Love
63	Summertime
64	Superstar
65	Sweet And Gentle
66	Tennessee Waltz
67	The End Of The World
68	The Sound Of Silence
69	The Way We Were
70	Top Of The World
71	Una Lacrima Sul Viso
72	Unchained Melody
73	Love Story
74	Words
75	Yesterday
76	Yesterday Once More
CLASSICAL	
77	13 Jours En France
78	A Lover's Concerto
79	Air For The G-String
80	An Der Shonen Blauen Donau
81	The Sleeping Beauty
82	La Traviata
83	Wiegenlied
84	Mov. 2 Adagio Non Troppo Piano Sonata No. 9 In D
85	Piano Sonata No. 11 In A
86	Prelude In C
87	Chinese Dance
88	Emperor Waltz
89	March Militaire
90	Symphony No. 40
PIANO	
91	Hanon Piano Fingering 1
92	Hanon Piano Fingering 2
93	Hanon Piano Fingering 3
94	Hanon Piano Fingering 4
95	Hanon Piano Fingering 5
96	Basic Tutorial Beyer Piano 12
97	Basic Tutorial Beyer Piano 13
98	Basic Tutorial Beyer Piano 14
99	Basic Tutorial Beyer Piano 15
100	Basic Tutorial Beyer Piano 18
101	Cuckoo
102	Basic Tutorial Beyer Piano 21
103	Basic Tutorial Beyer Piano 29
104	Butterfly
105	Basic Tutorial Beyer Piano 45
106	Christmas Eve
107	Basic Tutorial Beyer Piano 50
108	Basic Tutorial Beyer Piano 52

109	Basic Tutorial Beyer Piano 55
110	Basic Tutorial Beyer Piano 59
111	Beyer Eight Degrees Jump Etude
112	Basic Tutorial Beyer Piano The Scale Of C Major
113	Basic Tutorial Beyer Piano 65
114	Basic Tutorial Beyer Piano 66
115	Old Folks At Home (Piano)
116	Basic Tutorial Beyer Piano The Scale Of G Major
117	Basic Tutorial Beyer Piano 70
118	Basic Tutorial Beyer Piano 72
119	Basic Tutorial Beyer Piano 73
120	Basic Tutorial Beyer Piano 74
DEMO	
1	Demo1
2	Demo2
3	Bossa Nova
4	Fusion
5	Jazz

Chord name [abbreviation]	Normal Voicing (For root C)	Chord	Display
Major [M]	1+3+5	C	C
Sixth [6]	1+(3)+5+6	C6	C6
Major seventh [M7]	1+3+(5)+7	CM7	CM7
Major seventh add sharp eleventh [M7(#11)]	1+(2)+3+#4+(5)+7	CM7(#11)	CM7(#11)
Major seventh add sharp eleventh (9)]	1+2+3+5	C(9)	CM(9)
Major seventh ninth [M7(9)]	1+2+3+(5)+7	CM7(9)	CM7(9)
Sixth ninth [6(9)]	1+2+3+(5)+6	C6(9)	C6(9)
Augmented [aug]	1+3+#5	Caug	Caug
Minor [m]	1+b3+5	Cm	Cm
Minor sixth [m6]	1+b3+5+6	Cm6	Cm6
Minor seventh [m7]	1+b3+(5)+b7	Cm7	Cm7
Minor seventh flatted fifth [m7b5]	1+b3+b5+b7	Cm7b5	Cm7(b5)
Minor add ninth [m(9)]	1+2+b3+5	Cm(9)	Cm(9)
Minor seventh ninth [m7(9)]	1+2+b3+(5)+b7	Cm7(9)	Cm7(9)
Minor seventh eleventh [m7(11)]	1+(2)+b3+4+5+(b7)	Cm7(11)	Cm7(11)
Minor major seventh [mM7]	1+b3+(5)+7	CmM7	CmM7
Minor major seventh ninth [mM7(9)]	1+2+b3+(5)+7	CmM7(9)	CmM7(9)
Diminished [dim]	1+b3+b5	Cdim	Cdim
Diminished seventh [dim7]	1+b3+b5+6	Cdim7	Cdim7
Seventh [7]	1+3+(5)+b7	C7	C7
Seventh suspended fourth [7sus4]	1+4+5+b7	C7sus4	C7sus4
Seventh flatted fifth [7b5]	1+3+b5+b7	C7b5	C7(b5)
Seventh ninth [7(9)]	1+2+3+(5)+b7	C7(9)	C7(9)
Seventh add sharp eleventh [7(#11)]	1+2+3+#4+(5)+b7 or 1+(2)+3+#4+5+b7	C7(#11)	C7(#11)
Seventh add thirteenth [7(13)]	1+ 3+(5)+6+b7 or 2+ 3+5+6+b7	C7(13)	C7(13)
Seventh flatted ninth [7(b9)]	1+b2+3+(5)+b7	C7(b9)	C7(b9)
Seventh add flatted thirteenth [7(b13)]	1+3+5+b6+b7	C7(b13)	C7(b13)
Seventh sharp ninth [7(#9)]	(1)+#2+3+(5)+b7	C7(#9)	C7(#9)
Major seventh augmented [M7aug]	1+3+#5+7	CM7aug	CM7aug
Seventh augmented [7aug]	(1)+3+#5+b7	C7aug	C7aug
Suspended fourth [sus4]	1+4+5	Csus4	Csus4
One plus two plus five [sus2]	1+2+5	C/Csus2	C

MIDI Implementation Chart

Function		Transmitted	Recognized	Remarks
Basic	Default	1ch	ALL	
Channel	Changed	1-16ch	1-16ch	
	Default	×	3	
Mode	Messages	×	3	
	Altered	**********	×	
Note	Note	0—127	0—127	
Number	:True voice	**********	0—127	
Velocity	Note on	○ 9nH,V=1-127	○ 9nH,V=1-127	
	Note off	× （9nH,V=0）	○(9nH,V=0; 8nH,V=0-127)	
After	key's	×	×	
Touch	Ch's	×	×	
Pitch Bend		○	○	
Control	0	○	○	Bank Select
Change	1	×	○	Modulation
	5	×	○	Portamento Time
	6	○	○	Data Entry
	7	○	○	Volume
	10	×	○	Pan
	11	×	○	Expression
	64	○	○	Sustain Pedal
	65	×	○	Portamento ON/OFF
	66	○	○	Sostenuto Pedal
	67	○	○	Soft Pedal
	80	×	○	Reverb Program
	81	×	○	Chorus Program
	91	○	○	Reverb Level
	93	○	○	Chorus Level
	120	×	○	All Sound Off
	121	×	○	Reset All Controllers
	123	×	○	All Notes Off
Program		○	○	
Change	:true	**********	0—127	
System Exclusive		×	○	
System	:SongPosition	×	×	
Common	:Song Select	×	×	
	:Tune	×	×	
System	:Clock	×	×	
Real Time	:Commands	× *1	×	
Aux	:LOCAL ON/OFF	×	×	
Messages	:Active sense	×	○	
	:Reset	×	○	

Notes: *1
When the accompaniment is started, an FAH message is transmitted. When accompaniment is stopped, an FCH message is transmitted.

- Mode 1: OMNI ON, POLY
- Mode 2: OMNI ON, MONO
- Mode 3: OMNI OFF, POLY
- Mode 4: OMNI OFF, MONO

○: YES
×: NO

Scale tuning system

A tuning system is the system used to define which tones, or pitches, to use when playing music. In other words, it is the choice of number and spacing of frequency values used. The equal temperament (has only one tuning method, and is suitable for keyboard) is the common musical scale used at present, used for the tuning of pianos and other instruments of relatively fixed scale. One of the advantages of the equal tempered scale is that it is the same in any musical "key", so that compositions may be freely transposed up or down without changing the musical intervals.

Especially for piano, equal temperament is widely used and taken for granted. But people used several other scales to compose and perform before adopting the equal temperament. This piano has been equipped with 6 scale tuning systems, you can select one to reappearing its matched chord of the melody at that time.

Characteristics of Different Scale Tuning Systems

Pythagorean
The Pythagorean tuning, named after the ancient mathematician and philosopher Pythagoras, is based on a stack of intervals called perfect fifths. It is particularly well suited to music which treats fifths as consonances, and thirds as dissonances.

Pure Major & Pure Minor
In music, just intonation (sometimes abbreviated as JI) or pure intonation is any musical tuning in which the frequencies of notes are related by ratios of small whole numbers. Any interval tuned in this way is called a pure or just interval. And the major scale which consisted of just intonations especially for this triad chords: Root, Third, Fifth are sounded extremely harmony. The just intonation must be the most natural temperament.

Meantone
The Meantone System is a musical temperament which is close to just intonation. Used to tuning pipe organ in 16th century Europe. These musical scales which based on the Pythagorean System, minus quarter of common comma for once, are extremely approaching just intonation. So, use this system to create musical scales are sound beautiful and pure, just like a perfect triad chord.

Werckmeister
The Werkmeister was named after Andreas Werckmeister, and this scale was created as an improvement on the Pythagorean scale. This tuning collapse comma maxima, created by Pythagorean, into four perfect fifths, the rest fifths still remain their Pythagorean scale characteristics. Werkmeister Tuning can tune scale from harmonic to melodic by increasing tone number, making each tonality sound distinct, this is the important gist for classicists and romanticism tonality music to name the tone name.

Kirnberger
Kirnberger temperament is an irregular temperament developed in the second half of the 18th century by Johann Kirnberger and regarded as an improved version of Meantone temperament. It makes possible to switch different tunes freely when performing.

Twelve-tone equal temperament
In twelve-tone equal temperament, which divides the octave into 12 equal parts, the width of a semitone , i.e. the frequency ratio of the interval between two adjacent notes, is the twelfth root of two. There is minute difference of the same amount between each two intervals.

WEEE-Declaration / Disposal

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