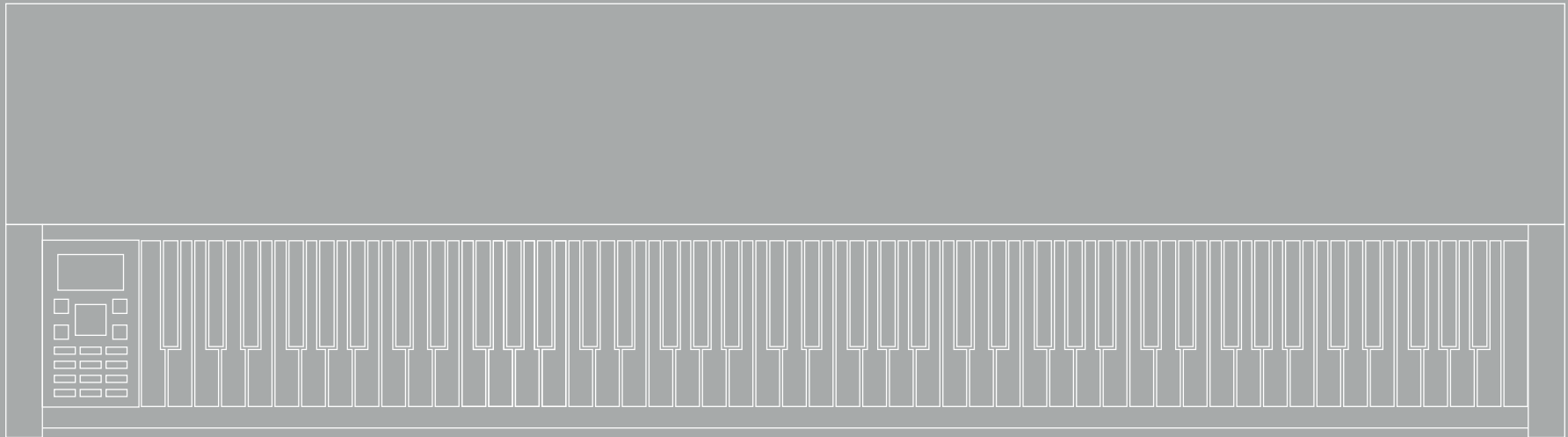


HDP-1



HIGH TOP UPRIGHT DIGITAL PIANO
User Manual

Warnings

WARNING!

Do not open cover. No user-serviceable parts inside. Refer servicing to qualified service personnel
Do not place the product in a location near a heat source such as a radiator, or in an area subject to direct sunlight, excessive dust, mechanical vibration or shock
The product must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product
No naked flame sources, such as lighted candles, should be placed on the product
Allow adequate air circulation and avoid obstructing vents (if present) to prevent internal heat build-up. The ventilation must not be impeded by covering the appliance with items such as newspapers, table-cloths, curtains etc.
The mains plug is used to disconnect the appliance from the mains supply. Ensure that the mains outlet is easily accessible and remove the plug from the mains outlet if you notice any abnormality with the appliance.

VAROAVÁNI!

Nezakrývajte. Uvnitř nejsou žádné součásti opravitelné uživatelem. S požadavkem na servis se obraťte na kvalifikované servisní oddělení.
Neumisťujte produkt v blízkosti zdroje tepla, jako je radiátor, nebo na místo s přímým slunečním světlem, nadměrným prachem, mechanickými vibracemi nebo šokem.
Produkt nesmí přijít do kontaktu s vodou a žádné objekty naplněné tekutinami, jako například vázy, by neměly být umístěny na produkt.
Žádné zdroje otevřeného ohně, jako například svíčky, by neměly být umístěny na produkt.
Umožněte dostatečnou cirkulaci vzduchu a vyhněte se obstrukci ventilátorů (pokud jsou přítomné) pro předjetí interního přehřívání. Ventilace nesmí být narušena překrytím zařízení výrobky jako například noviny, kuchyňské utěrky, záclony apod.
Hlavní kabel umožňuje připojit zařízení od elektriny. Ujistěte se, že hlavní napájecí výstup je snadno dostupný a odpojte kabel pokud zaznamenáte jakoukoliv abnormalitu na zařízení.

DIVARSEL!

Dækslet må ikke åbnes. Ingen bruger-udskeftelige dele inden. Overlad service til kvalificeret service personale
Placer ikke produktet i nærheden af varmekilder såsom en radiator eller i direkte sollys, meget støv, mekaniske vibrationer eller stød
Produktet må ikke udsættes for vand eller stænk, og ingen genstande fyldt med væsker, f.eks. vaser, må anbringes på produktet
Må ikke placeres nær åben ild, tændte stearinlys må ikke placeres på produktet
Vær sikker på at der er tilstrækkelig luftcirkulation og undgå at dække ventiler (hvis der er nogen) for at undgå at produktet bliver varmt. Ventilatorerne må ikke blokeres med overdækning af apparatet med genstande som aviser, dug, gardiner osv.
Stikket bruges til at afbryde apparatet fra strømmen. Sikre at stikkontakten er let tilgængelige, og fjern stikket fra stikkontakten, hvis du bemærker noget unormalt med apparatet.

WAARSCHUWING!

Maak de behuizing niet open. Dit toestel bevat geen onderdelen die door de gebruiker kunnen worden vervangen. Laat onderhoud over aan bevoegd onderhoudspersoneel.
Plaats het product niet in de buurt van een hittebron zoals een radiator of in direct zonlicht of in een stofrijke omgeving, mechanische vibratie of schok.
Plaats het product niet in de buurt van spatende of lekkende voorwerpen gevuld met een vloeistof zoals bijvoorbeeld een vaas.
Er mogen geen open vlammen zoals aangestoken kaarsen op de apparatuur worden geplaatst.
Zorg om overhitting te voorkomen voor voldoende ventilatie en bellemmer ventilatieroosters niet. Bedek het product niet met dingen zoals kranten, tafellakens, gordijnen etc.
De stekker van dit apparaat wordt gebruikt om het apparaat aan en uit te zetten. Zorg ervoor dat het stopcontact gemakkelijk bereikbaar is en haal de stekker uit het stopcontact als u enige onregelmatigheid ondervindt.

VAROITUS!

Älä avaa kantta. Ei sisällä käyttäjä-uolettavia osia. Huollot saa suorittaa vain pätevä huoltomies.
Älä säilytä tuotetta minkään kuuman lähellä kuten patteri tai suorassa auringonpaisteessa, pölyisessä, mekaanisessa värinässä tai iskussa
Tuotetta ei saa altistaa tippuvallalle tai loiskeelle tai nesteitä sisältäviä tuotteita kuten maljakoivaita saa olla tuotteen lähettävillä
Avotulia kuten sytytetty kynttilä ei saa olla tuotteen päällä.
Salli riittävä ilmankierto ja vältä tuuletusaukkojen tukkiminen (jos sellaisia on olemassa) estämään sisäisen lämmön muodostuminen. Tuuletusta ei saa estää peittämillä laite esineillä, kuten sanomalehdillä, pöytäainoilla, verhoilla jne.

EN

ATTENTION!

Ne pas ouvrir le couvercle. Aucune pièce interne réparable par l'utilisateur. Confier la réparation a du personnel de réparation qualifié
Ne pas laisser l'appareil a proximité d'une source de chaleur telle qu'un radiateur, dans un endroit directement exposé aux rayons du soleil, trop poussiéreux, ou pouvant subir des chocs mécaniques
L'appareil ne doit pas être exposé aux gouttes d'eau et aux éclaboussures, et aucun objet rempli de liquide, tel qu'un vase, ne doit être posé dessus
Ne placer aucune source de flamme nue, telle qu'une bougie allumée, sur l'appareil
Assurer une circulation d'air suffisante et éviter d'obstruer les fentes (le cas échéant) afin d'éviter une surchauffe interne. La ventilation ne doit pas être bloquée en couvrant l'appareil avec des objets tels que des journaux, des nappes, des rideaux, etc.
La prise secteur est utilisée comme dispositif de débranchement. La prise murale doit être facile d'accès, et en cas d'anomalie de l'appareil, débrancher la prise de courant au niveau de la prise murale.

CZ

WARNING!

Öffnen Sie nicht das Gehäuse. Im Inneren befinden sich keine vom Benutzer zu wartenden Teile. Überlassen Sie Wartungsarbeiten qualifiziertem Fachpersonal.
Stellen Sie das Produkt nicht an einen Ort in der Nähe einer Wärmequelle wie etwa eines Heizkörpers oder in einem Bereich mit direktem Sonnenlicht, übermäßigem Staub, mechanischen Vibrationen oder Stößen.
Schützen Sie das Produkt vor tropfenden oder spritzenden Flüssigkeiten, und stellen Sie keine mit Flüssigkeiten gefüllten Gegenstände wie Vasen auf das Produkt.
Öffene Feuerquellen wie Kerzen dürfen nicht auf dem Gerät abgestellt werden.
Sorgen Sie für eine ausreichende Luftzirkulation und vermeiden Sie, dass die Lüftungsschlitze (falls vorhanden) abgedeckt werden, um einen internen Wärmestau zu verhindern. Die Belüftung darf nicht durch Abdecken des Gerätes mit Gegenständen wie Zeitungen, Tischdecken, Vorhängen usw. blockiert werden.
Der Netzstecker dient zum Trennen des Gerätes vom Netz. Vergewissern Sie sich, dass die Steckdose leicht zugänglich ist, und ziehen Sie den Stecker aus der Steckdose, wenn Sie eine Anomalie mit dem Gerät bemerken.

DK

AVVERTIMENTO!

Non aprire il coperchio. Se fosse necessario, riferirsi ad un esperto.
Non esporre il prodotto a fonti di calore, luce del sole diretta, polvere, vibrazioni meccaniche o altri possibili shock.
Non esporre il prodotto a perdite di liquido o a spruzzi. Non appoggiare nessun oggetto contenente acqua sul prodotto.
Non esporre il prodotto a fuoco, candele o oggetti simili.
Assicurarsi la circolazione dell'aria e non ostruire le ventole, se presenti, per evitare il surriscaldamento. La ventilazione non deve subire impedimenti dovuti a giornali, tovaglie, tende, ecc.
La spina principale viene utilizzata per disconnettere il prodotto dalla principale fonte di energia. Assicurarsi che la spina sia facilmente accessibile e disconnettere l'unità nel caso si notassero dei difetti di funzionamento.

NL

ADVARSEL!

Ikke åbne dækslet. Inneholder ingen deler som kan brukes. Overlat reparasjon til kvalifisert servicepersonell.
Ikke plasser produktet i nærheten av varmekilder som f.eks. en radiator, eller i områder som er utsatt for direkte sollys, mye støv, mekanisk vibrasjon eller stot.
Produktet må ikke utsettes for drypping eller sprutning, og gjenstander som er fylt med væsker, som f.eks. vaser, skal ikke plasseres på produktet.
Åpne flammer, som f.eks. tente lys, bør ikke plasseres på produktet.
Tillat tilstrekkelig luft sirkulasjon og unngå å blokkere ventiler (hvis tilstede) for å forhindre intern varmeoppsamling. Pass på at ventilasjon ikke hindres ved å unngå å dekke apparatet med ting som aviser, bordduger, gardiner osv.
Stikkontakten brukes til å koble apparatet fra strømforsyningen. Forsikre deg om at stikkontakten er lett tilgjengelig og ta støpslet ut av stikkontakten hvis du oppdager uregelmessigheter under bruk av apparatet.

FI

OSTRZEŻENIE!

Nie otwierać pokrywy. W środku nie ma części nadających się do naprawy przez użytkownika. Prosimy pozostawić serwis dla wyszkolonego personelu.
Nie umieszczaj produktu w pobliżu źródła ciepła, np. grzejnika, lub w bezpośrednim świetle słonecznym, kurzu, czy mechanicznym wibracjom.
Produkt ten nie może być ekspozowany na kąpienie lub chłapanie, a przedmioty wypetnione plynami, takie jak wazy, nie powinny być na nim umieszczone.
Źródła otwartego ognia, takie jak np. świece, nie powinny być umiejscowiane na produkcie.
Należy zapewnić odpowiednią wentylację i unikać blokowania otworów wentylacyjnych, aby uniknąć wewnętrznego wzrostu temperatury. Wentylacja nie powinna być utrudniana poprzez nakrywanie urządzenia gazetami, obrusami czy zastonami.

FR

Wtyczka sieciowa służy do odłączenia urządzenia od zasilania sieciowego. Należy upewnić się, że gniazdo sieciowe jest łatwo dostępne, a w razie wystąpienia nieprawidłowości w funkcjonowaniu urządzenia odłączyć je od zasilania sieciowego.

ATENÇÃO!

Não abra a tampa. Não tente a reparação do instrumento por si. Dirija-se a pessoal qualificado
Não aproxime a uma fonte de calor excessivo ou exponha o produto à luz solar, poeira, vibração ou choque
Não mantenha o produto num local húmido ou perto líquidos como vasos, etc.
Não aproxime o produto a fontes de fogo vivo, como velas
Mantenha o produto num espaço suficientemente arejado a evitar sobre-aquecimento. Não bloqueie a ventilação do instrumento, cobrindo-o com artigos como cortinas, toalhas de mesa ou jornais
O transformador é utilizado para conectar e desconectar o artigo da principal fonte de energia. Certifique-se que a ficha é facilmente acessível e que o artigo está devidamente ligado à corrente se detectar alguma anomalia como o funcionamento

DE

VÝSTRAHA!

Neotvárajte kryt. Vo vnútri nie sú žiadne súčasti, ktoré sú opraviteľné užívateľom. S požiadavkou na servis sa obraťte na kvalifikované servisné stredisko.
Nevystavujte produkt do blízkosti akéhokoľvek tepelného zdroja ako napr. radiátora, alebo do kontaktu so sľnečným žiarením, nadmerným prachým prostredím, mechanickými vibráciami alebo šokom.
Produkt nesmie prísť do kontaktu s vodou a žiadny objekt naplnený vodou, ako napr. váza, nesmie byť umiestnený na produkt.
Žiadne výrobky s otvoreným ohňom, ako napr. sviečky, by nemali byť umiestnené na produkt.
Umožnite dostatočnú cirkuláciu vzduchu a zabráňte obstrukcii ventiláčnych otvorov (ak sú prítomné) kvôli prevencii vnútorného prehrievania. Ventilácia nesmie byť narušená prekrytím zariadenia výrobkami ako napr. noviny, kuchynské utierky, záclony a pod.
Hlavný kábel umožňuje pripojiť zariadenie od elektriny. Uistite sa, že hlavný napájací výstup je ľahko dostupný a odpojte kábel ak zaznamenáte akúkoľvek abnormalitu na zariadení.

IT

OPPOZIORILO!

Ne odpirajte pokrova. V notranjosti ni nobenih delov, ki jih uporabnik lahko sam popravlja. Popravilo prepustite usposobljenemu osebju
Ne postavljajte izdelka na lokacijo v bližini vira toplote, kot je radiator, ali na območje, ki je izpostavljen neposredni sončni svetlobi, pretiranem prahu, mehanskim tresljajem ali udarcem
Izdelek ne sme biti izpostavljen kapljanju ali brizganju in nobeni predmeti, napolnjeni z vodo, kot so vaze, se ne smejo postaviti na izdelek
Nobenega od virov odprtega ognja, kot so vzgane sveče, se ne sme postavljati na izdelek
Zagotovite zadostno kroženje zraka in umaknite ovire na odprtinah (če obstajajo), zaradi preprečevanja kopičenja notranje toplote. Ventilacija se ne sme ovirati s prekrivanjem naprave s predmeti, kot so časopisi, prti, zavese itn.
Omeženi vtici se uporabljajo za izklop naprave iz električnega omrežja. Poskrbite, da je omrežna vtičnica zlahka dostopna in izvlecite vtičnik iz vtičnice, če opazite kakršno koli nepravilnost pri napravi.

¡ADVERTENCIA!

No abra la tapa. No intente reparar el aparato usted mismo. Llévelo a reparar por personal calificado.
No coloque el aparato cerca de fuentes de calor excesivo o donde esté expuesto a luz solar directa, golpes, vibraciones o polvo.
Evite lugares expuestos a humedad. No ponga objetos llenos de líquidos en la superficie de este aparato.
No se deben colocar fuentes de llama desnuda, como velas encendidas, en la superficie de este aparato.
Mantenga suficiente espacio alrededor del aparato para permitir una ventilación adecuada. No obstruya o tape las aberturas con objetos como periódicos, manteles, cortinas, etc.
El enchufe se utiliza para desconectar el producto de la corriente. Si nota algún defecto, desconéctelo de la toma de corriente.

PL

WARNING!

Öppna ej locket. Inga användarvänliga delar inuti. För reparationer vänd er till kvalificerad servicepersonal
Ställ ej produkten vid en värmekälla t.ex element, i direkt solljus, damm, elektronisk vibration eller shock.
Produkten bör ej bli utsatt för droppande eller stänk och inga objekt fyllda med vätskor som t.ex vaser skall ställas på produkten.
Ingen källa till öppen flammor som t.ex tända ljus bör placeras på produkten.
Tillåt tillräcklig luftcirkulation och blockera ej eventuella ventiler för att undvika intern överhettning. Ventilen bör ej täckas av föremål såsom tidningar, dukar, gardiner etc.
Nätkontakten används för att koppla bort apparaten från eluttaget. Se till att eluttaget är lättåtkomligt och avlägsna kontakten från eluttaget om du upptäcker något abnormalt med produkten.

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High Top Upright Digital Piano

Thank you for purchasing the HDP-1 High Top Upright Digital Piano.
To get the most out of your product, please read this manual carefully.

BOX CONTENTS

- 1 x 88 Key High Top Digital Piano
- 1 x PSU
- 1 x User Manual

FEATURES

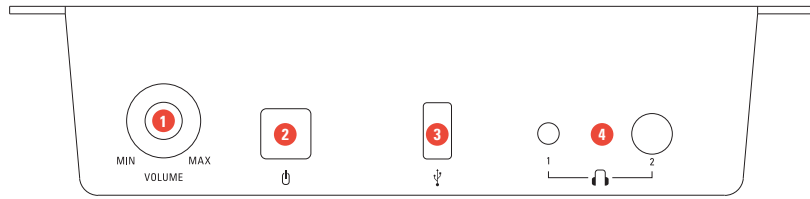
- 88 Hammer Action Keys
- 127 Sounds
- Bluetooth Connectivity
- DSP Effects
- Aux Input, Aux Output, USB Input and USB to Host Connections
- 2 Track Recording

Connections

FRONT CONNECTION PANEL

1. MASTER VOLUME
Use this control to adjust the global volume of the piano. It is advised to set the MASTER VOLUME to "MINIMUM" when powering on the piano, and then adjust the volume to your desired level when playing. When using headphones, this dial is used to control the level of the headphones also.
2. POWER
Use this switch to power on the device when it is connected to the mains.
3. USB DRIVE
Insert a compatible USB flash drive (not included) to play MP3 files through the piano's internal speakers.
4. HEADPHONES OUTPUTS
Two sets of standard headphones can be connected via the headphones outputs for private practice. The internal speakers are automatically muted when headphones are connected to headphones 1 jack.

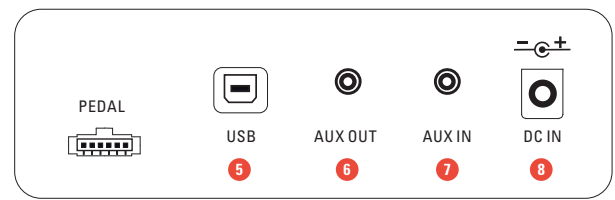
FRONT



REAR CONNECTION PANEL

5. USB TO HOST
The HDP-1 allows the transfer of MIDI via USB from the piano to an audio interface or "host." Use the audio interface to control the MIDI signal.
6. AUX OUTPUT
The 3.5mm can be used to connect the piano to a compatible external sound system, such as a keyboard amplifier, interface, or mixer.
7. AUX INPUT
The 3.5mm AUX IN stereo inputs allow you to mix an external sound source (such as a smartphone or MP3 player) with the piano's internal sounds, for playback through the piano's in-built speakers or headphone output.
8. DC POWER INPUT
Safely connect the included power supply, firstly to the piano and then to the mains, before turning on the piano.

REAR



Foot Pedals

After following the included assembly guide, and before powering on the piano, please ensure that the foot pedals cable is connected to the pedal input jack on the rear connection panel.

The HDP-1 features a three-pedal unit, providing the same pedal configuration as a grand piano.

SOFT PEDAL (LEFT)

Pressing the soft pedal will change the character of the notes played, making them softer and quieter.

SOSTENUTO PEDAL (CENTRE)

The sostenuto pedal is similar to the damper pedal, however pressing this pedal will only sustain the notes being played when the pedal is pressed. Any notes played after the pedal is pressed/held down will not sustain.

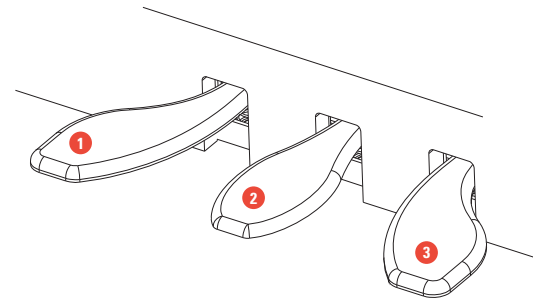
DAMPER/SUSTAIN PEDAL (RIGHT)

When the sustain pedal is pressed down, the sound of all notes played will sustain, even after releasing the keys.

“Half pedalling” is possible, meaning the sustain duration will depend how far the pedal is pressed down, a response similar to the delicate controls found on acoustic pianos.

ROTARY EFFECTS

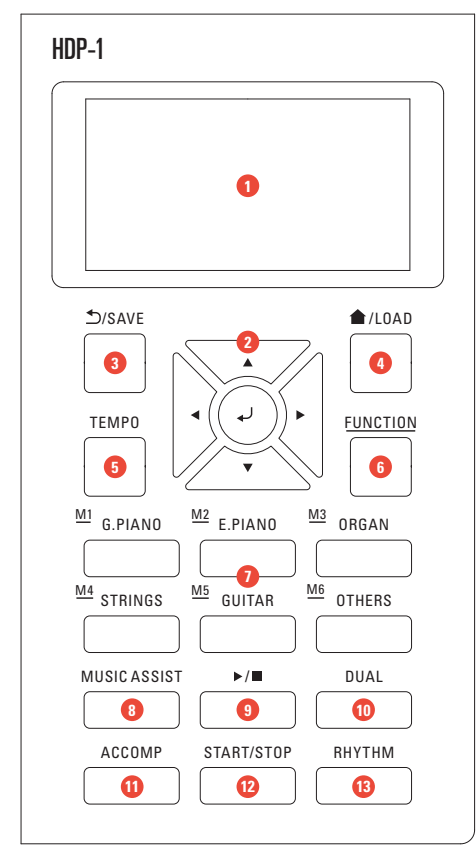
When the FX option is set to ROTARY, the soft pedal (left) and sostenuto pedal (middle) will control the rotary effect. In this mode, the left pedal controls the rotary effect speed and the middle pedal stops the rotary effect. Please note, the rotary effect is only applied to the main selected voice.



Control Panel

1. LCD SCREEN
Displays the current parameters, values and selected functions.
2. ARROW KEYS / ENTER
Use the up, down, left and right arrow keys to move the cursor on the screen. Use the middle ENTER button to enter a specific menu or select an item.
3. BACK / SAVE
Use the BACK button to go back one step. Or press and hold to SAVE performance settings
4. HOME / LOAD
Use the HOME button to return to the main screen. Or press and hold to LOAD saved performances.
5. TEMPO
Use the TEMPO button to quickly access the metronome tempo and adjust it using the left and right arrow buttons.
6. FUNCTION
Press this to access the functions menu.
7. SOUNDS / REGISTRATION
Use the six SOUNDS buttons to select the desired instrument bank.
8. MUSIC ASSIST
Use this to enter MUSIC ASSIST mode and access the Metronome, Record, Lesson Music and USB Flash Drive functions.
9. PLAY / STOP
Use these buttons to play / stop the Metronome, Record and Lesson Music functions.
10. DUAL
Use this to enter DUAL mode and access the Layer, Split and Twin piano functions.
11. ACCOMP
Use this button to access the accompaniment menu.

12. START / STOP
Use this button to start and stop playback of the rhythm accompaniments.
13. RHYTHM / FX
Press the RHYTHM button to display the list of accompaniment rhythms. Press and hold this button to display the list of in-built special FX.



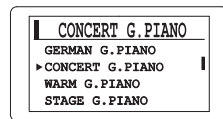
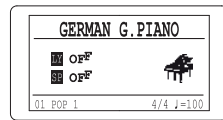
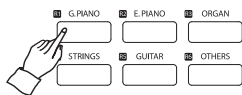
Sound Select

The HDP-1 allows you to choose from 127 main voices, a percussion kit and 2 x sound effect sets.

The piano's default sound is the German Grand Piano. To select a different sound, press the desired sound group button, then press the middle enter button to display that group's sounds list. Select the desired sound using the up or down arrow buttons.

Sounds can also be selected using the left and right arrow buttons on the main screen. Also, pressing a sound group button twice will display the sound list for that group.

To return to the main screen, press either the BACK or HOME buttons.



G.Piano	Organ	Strings	Others	Synth Lead 2	Wood Block
German G.Piano	Pipe Organ	Symphony Strings	Gayageum	Synth Lead 3	Taiko
Concert G.Piano	E.Organ Gospel	Bright Strings	Daegeum	Synth Lead 4	Melodic Tom
Warm G.Piano	E.Organ Jazz	Brass Strings	Brass Section	Synth Lead 5	Drum Set
Stage G.Piano	E.Organ Rock	Pizzicato Strings	Big Band Brass	Synth Lead 6	SFX 1 Set
Mellow G.Piano	Reed Organ	Synth Strings	Synth Brass 1	Synth Pad 1	SFX 2 Set
Light Pop G.Piano	Harmonica	Slow Strings	Synth Brass 2	Synth Pad 2	
Honkytonk Piano	Concertina	Tremolo Strings	French Horn	Synth Pad 3	
	Accordion	Violin Soloist	Trumpet Soloist	Synth Pad 4	
		Viola Soloist	Trombone	Synth Pad 5	
		Cello Soloist	Tuba	Synth Pad 6	
		Contrabass 1	Muted Trumpet	Synth Pad 7	
		Contrabass 2	Alto Saxophone	Synth Pad 8	
		Choir Aha	Tenor Saxophone	Synth Effect 1	
		Vocal Ooh	Soprano Saxophone	Synth Effect 2	
		Chorale	Baritone Saxophone	Synth Effect 3	
		Voice Doo	Flute Soloist	Synth Effect 4	
		Voice Ooh	Orchestral Flute	Synth Effect 5	
		Vocal Doo	English Horn	Synth Effect 6	
		Girls Ooh	Clarinet	Synth Effect 7	
		Orchestral Harp	Bassoon	Sitar	
		Orchestral Timpani	Piccolo	Banjo	
			Orchestral Oboe	Kalimba	
			Recorder	Bagpipes	
			Pan Flute	Fiddle	
			Bottle Blow	Shehnai	
			Whistle	Tinkle Bell	
			Ocarina	Agogo	
			Synth Lead 1	Steel Drums	

Guitar	E.Piano
Acoustic Guitar	Vintage E.Piano
Steel Guitar	Modern E.Piano
Clean Guitar	Bright E.Piano
Jazz Guitar	Clavinet
Driven Guitar	Harpichord
Distortion Guitar	Vibraphone
Muted Guitar	Synthesizer 1
Guitar Harmonics	Synthesizer 2
Acoustic Bass	Celesta
Fingered Bass	Glockenspiel
Picked Bass	Music Box
Fretless Bass	Marimba
Slap Bass 1	Xylophone
Slap Bass 2	Tubular bells
Synth Bass 1	Santur
Synth Bass 2	

Dual Mode

The DUAL mode consists of Layer, Split and Twin Piano functions and allows a wider variety of sounds and playing options.

LAYER

This function allows two sounds to be played simultaneously.

Firstly, select the main sound, as described in the Sound Select section. Then, press the DUAL button once to access the layer mode. The default layer sound is Symphony Strings. When the screen cursor is next to "SP" a different left-hand sound can be chosen by pressing the desired sound group button, then using the left and right arrow buttons as required.

The cursor can be moved using the up or down arrow buttons, to select either the main sound or layered sound.

The balance between the volumes of the two layered sounds can be adjusted in the function menu.

To turn off the layer sound, press the DUAL button three times (Layer -> Layer+Split -> Split -> Off)

SPLIT

The piano keys can be "split" into two sections, allowing different sounds to be played in the left and right hands.

Firstly, select the main sound, as described in the Sound Select section. This sound will be assigned to the right-hand section of the piano. Then, press the DUAL button twice to access the split mode. The default layer sound is Symphony Strings. When the screen cursor is next to "SP" a different left-hand sound can be chosen by pressing the desired sound group button, then using the left and right arrow buttons as required.

The cursor can be moved using the up or down arrow buttons, to select either the main sound or split sound.

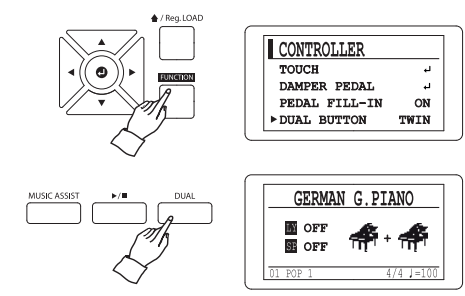
The balance between the volumes of the two sounds can be adjusted in the function menu.

The default point at which the piano sounds are "split" is piano key F#3. This can be adjusted using the function menu and selecting Voice, then Split Point, followed by the desired piano key to divide the two selected sounds.

To turn off the split sound, press the DUAL button once (Layer -> Layer+Split -> Split -> Off)

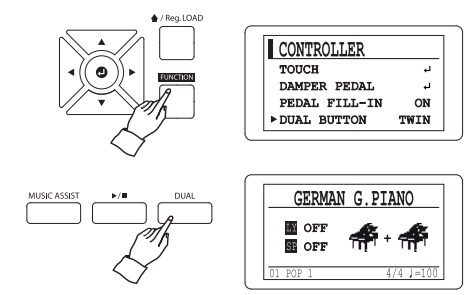
TWIN PIANO

Twin Piano divides the piano notes into two equal "twin" keyboards with nearly identical registers, allowing two people to play the same notes simultaneously. This is ideal for tuition settings.



To set the piano to Twin mode, press the FUNCTION button and use the ▲ or ▼ buttons to move the cursor to CONTROLLER. Press the ↵ button to enter CONTROLLER settings. Now use the ▲ or ▼ buttons to move the cursor to DUAL BUTTON and select the TWIN mode using the ◀ and ▶ buttons.

Once the desired voice is selected, press the DUAL button. The piano keyboard will now be divided into two sections, with Eb4 as the split point. In this mode, the left and right pedals both function as sustain pedals.

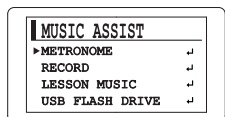
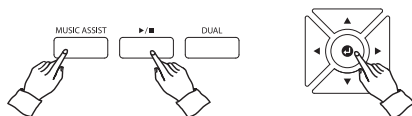


Press the DUAL button again to exit the Twin mode.

Metronome

To select the METRONOME mode, press the MUSIC ASSIST button to bring up the mode selection screen. Navigate to METRONOME using the up and down buttons (▲, ▼), and press the ↵ button to enter it.

Press the ▶ / ■ button to start the metronome and press it again to stop it.



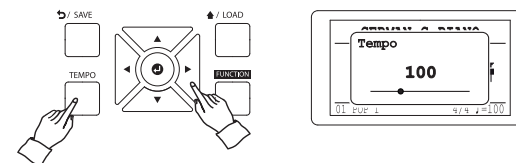
METRONOME SETTINGS

To adjust the time signature, tempo or volume of the metronome, use the ▲ or ▼ buttons to move the cursor and select the item you want to set. Then, use the left ◀ to decrease or right ▶ button to increase the setting value. If you want to make changes quickly, press and hold the left or right button. To reset the setting to its default value, press the left and right buttons simultaneously.

DISPLAY	RANGE	DEFAULT
TIME SIG.	2/2, 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 6/8, 9/8, 12/8, 3/8, 7/8	4/4
TEMPO	♩ = 40 ~ 250 (Quarter note basis)	120
VOLUME	50 ~ 100	80

TEMPO

The TEMPO button makes adjusting the metronome tempo simple. If the TEMPO button is pressed when the metronome screen is not displayed, the tempo adjustment window will appear on the screen. You can then adjust the tempo using the ◀ or ▶ buttons. Please note, when playing the built in music, not all songs will have an adjustable tempo.



Recording

The piano has a recording feature that enables you to capture your performances.

1. Press the MUSIC ASSIST button and use the ▲ and ▼ buttons to move the cursor to select RECORD and enter this mode with the ↵ button.
2. Select a track before recording. Select TRACK1 or TRACK2 with the ▲ or ▼ buttons. At this time, use the ◀ or ▶ buttons to set the track to READY REC state. When you start playing or press the ▶ / ■ button, recording of the selected track starts. All tracks can be recorded using the dual function.

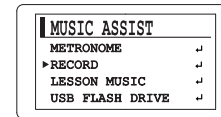
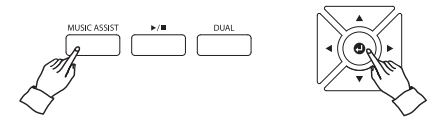
If you continuously record for an extended period without playing, the recording will automatically stop when the recording capacity is reached. In the event of a temporary malfunction when the recording capacity is exceeded, turn off and then turn on the power to the piano. Note that the piano's settings are recorded, however the effects such as FX, tune, stretch tune, hammer sound and string/damper/cabinet resonance sound are not recorded. Please note, the metronome is not available during recording mode.

3. To finish recording, press the ▶ / ■ button to stop recording. The track number is highlighted and the display will show PLAY. Repeat steps 2 and 3 to record on the remaining track.

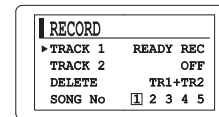
To record without hearing the previously recorded track, change the setting of this track to MUTE. If a track has already been recorded and you wish to record over it, you need to delete the existing recording first.

4. Select the track to play back using the ◀ or ▶ buttons to change the track's setting to PLAY
5. Press the ▶ / ■ button to stop playback. Please note, track selection cannot be changed during playback. The ▶ / ■ button will flash during playback.
6. Press the MUSIC ASSIST button to quit recording and return to performance mode.

STATUS	TRACKSETTING	DETAILS	REMARKS
Before Recording	READY REC	The track is waiting for recording.	If both tracks are empty, one
	OFF	The track is not selected.	track must be selected.
Recording	REC	The track is recording.	REC letters blink.
After Recording	PLAY	Play the recording of that track.	One track must be selected if
	MUTE	Do not play the recording for that track.	both tracks are recorded.



Mode Selection



Record Screen

Recording

RECORDING WITH AUTO ACCOMPANIMENT

To start recording with Auto Accompaniment, set Track 1 to 'READY REC'. You can refer to page 11 of the manual for instructions on how to do this.

Please note that Auto Accompaniment is not available to be recorded on Track 2. If you change the recording track to Track 2, the auto accompaniment mode will close.

Make sure that Track 1 is in READY REC status, as the ACCOMP and START/STOP buttons will not work otherwise.

Press the RHYTHM button to choose the desired rhythm for the accompaniment. Refer to page 16 of the manual for instructions on how to do this.

If you want to use Chordal Accompaniment, press the ACCOMP button and select the desired mode. Refer to page 17 of the manual for instructions on how to do this.

Use the TEMPO button and ◀ or ▶ buttons to adjust the tempo of the accompaniment to your liking.

Press the ▶ / ■ button or play a note on the keyboard to start recording with the auto accompaniment. There are 2 ways to start the auto accompaniment, as described on page 17 of the manual.

Note that recording to Track 1 will automatically start with the accompaniment playing.

Use the START/STOP button to start or stop the auto accompaniment as needed during the recording.

Press the ▶ / ■ button again to finish the recording once you are done.

DELETE A RECORDING

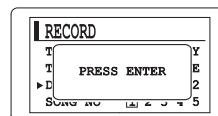
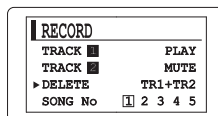
1. Move the cursor to DELETE with the ▲ or ▼ buttons, then select the track(s) to erase using the ◀ or ▶ buttons:

TR1 = delete the recording currently on Track 1

TR2 = delete the recording currently on Track 2

TR1+TR2 = delete the recordings currently on both Track 1 and Track 2

2. Press the ↵ button. The "PRESS ENTER" window will appear. Press the ↵ button again to confirm. A beep tone will sound.



MEMORY BANK

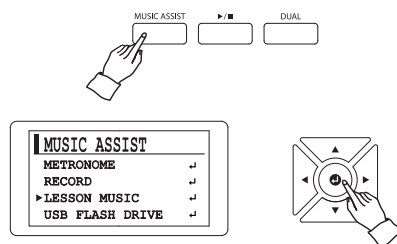
The HDP-1 has five recording memory banks that can be used to store up to five, 2-track recordings.

1. To select a memory bank, move the cursor to "SONG No" using the ▲ or ▼ buttons and select the desired memory bank (1 to 5) using the ◀ or ▶ buttons.
2. To clear a memory bank, select the desired bank and follow the "Delete a Recording" information as described above.

Music Player

The HDP-1 features in-built classical music for you to play along to. MP3 files can also be played through the HDP-1 via a USB flash drive (not included).

PLAYING THE IN-BUILT SONGS



Mode Selection

Press the MUSIC ASSIST button. Then move the cursor to LESSON MUSIC using the ▲ or ▼ buttons and press the ↵ button to enter this mode.

When the cursor is on the music title, songs can be selected using the ◀ or ▶ buttons. Or, press the “↵” button to display the music list and select the desired songs using the ▲ or ▼ buttons. Press the “↵” button again to enter the playback screen. Press the ▶/■ button to play/stop the song.

For more information, please refer to the Piano Music and Composer music lists on pages 14/15.

To return to the previous step, press the ⏪ button.

PLAYBACK SETTINGS

There are various playback settings when playing songs in Lesson Music mode. Move the cursor using the ▲ or ▼ buttons to select the desired setting and then change the setting value using the ◀ button to decrease or the ▶ button to increase the setting. To return to the previous step, press the ⏪ button.

The following parameters can be changed:

Tempo – adjust the tempo of the music from 40-250 beats per minute.

Part – separate the parts by left- or right-hand accompaniment/melody. Select from Left + Right-hand (L+R), Right-hand only (R), or Left-hand only (L) parts.

Volume – adjust the volume of the music playback from a range of 0-100.

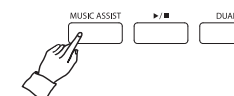
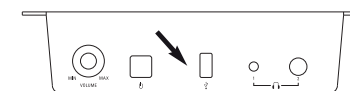
Play – choose if playback is either a single song (ONCE), a single song on repeat (REPEAT), or all songs in the selected folder played continuously (ALL).

Transpose – adjust the pitch of the music over a range of +/- 12 semitones.

PLAYING MUSIC VIA USB

To play music through the HDP-1 speakers via the USB port, insert a compatible USB flash drive (sold separately).

Please note, when inserting a USB flash drive, or powering on the piano with a USB flash drive already inserted, allow a few seconds of loading time for data to be read, without playing the piano keys. The HDP-1 supports the widely used FAT32 format for USB drives.



Mode Selection

Press the MUSIC ASSIST button. Then move the cursor to USB FLASH DRIVE using the ▲ or ▼ buttons and press the ↵ button to enter this mode.

Move the cursor using the ▲ or ▼ buttons to select the desired file type, either SMF (Standard MIDI File) or MP3 and press the ↵ button to enter/select the desired file.

Press the ▶/■ button to control playback.

Press the ⏪ button to return to the previous screen.

Piano Music List

NO.	TITLE	COMPOSER	DISPLAY
1	Etude Op.10 No.4 in C-sharp minor 'Torrent'	F. Chopin	CHOPN
2	Liebesträume S.541 No.3	F. Liszt	LISZT
3	Sonate No.8 in C minor 'Pathetique' Op.13 - 3. Rondo Allegro	L. V. Beethoven	BETVN
4	Prelude Op.3 No.2 in C-sharp minor	S. Rachmaninoff	RACHM
5	Moments Musicaux Op.94 No.3	F. Schubert	SCHBT
6	Gymnopédie 1ère	E. Satie	SATIE
7	Jeux d'eau	M. Ravel	RAVEL
8	Piano Sonata no.11 in A Major KV331 - 3. Rondo Alla turca	W. A. Mozart	MOZRT
9	Maiden's Prayer	T. Badarzewska	BADAR
10	Das wohltemperierte Klavier I-Praeludium und Fuge 1 in C Major BWV 846	J. S. Bach	BACH
11	The Seasons Op.37 b - VI. June 'Barcaroll'	P. Tchaikovsky	TCHSK
12	Traumerei from Kinderszenen	R. Schumann	SCHMN
13	The Flight Of The Bumble Bee	N. Rimsky-Korsakov	RACHM
14	Arabesque No.1 in E Major	C. Debussy	DBSSY
15	Hungarian Dance No.5 in F-sharp minor	J. Brahms	BRHMS
16	36 Fantasie per clavicembalo TWV33 - 1. Allegro	G. P. Telemann	TELMN
17	Impromptu Op.66 No. 4 C-sharp minor (Fantasie-Impromptu)	F. Chopin	CHOPN
18	Etude Op.10 No.5 in G-flat Major 'Black Keys'		
19	Etude Op.10 No.12 in C minor 'Revolutionary'		
20	Nocturne Op.9 No.2 in E-flat Major-Andante		
21	Nocturne Op.9 No.1 in B-flat minor-Larghetto		
22	Nocturne Op.27 No.2		
23	Ballade Op.23 No.1 in G minor		
24	Polonaise in A-flat Major Op.53 Eroic		
25	Waltz Op.18 Grand Waltz		
26	Waltz Op.34 No.1		
27	Waltz Op.64 No.1		
28	Waltz Op.64 No.2		
29	Scherzo No.2		
30	Prelude Op.28 No.24 in D minor - Allegro appassionato		

31	Sonate No.8 in C minor 'Pathetique' Op.13 - 1. Grave Allegro molto e con brio	L. V. Beethoven	BETVN
32	Sonate No.8 in C minor 'Pathetique' Op.13 - 2. Adagio cantabile		
33	Sonate No.14 in C-sharp minor 'Moonlight' Op.27 No.2 - 1. Adagio sostenuto		
34	Sonate No.14 in C-sharp minor 'Moonlight' Op.27 No.2 - 2. Allegretto		
35	Sonate No.14 in C-sharp minor 'Moonlight' Op.27 No.2 - 3. Presto con fuoco		
36	Fur Elise Wo059		
37	Rondo A Capriccio Op.129		
38	Variations (Ah! Vous dirai-je, Maman)	W. A. Mozart	MOZRT
39	Piano Sonata No.9 in A minor KV310 - 1. Allegro maestoso		
40	Piano Sonata No.10 in C Major KV330-1. Allegro moderato		
41	Suite bergamasque 3. Clair de lune	C. Debussy	DBSSY
42	Pour le piano 3. Toccata		
43	The Seasons Op.37b - IV. April 'Snowdrop'	P. Tchaikovsky	TCHSK
44	The Seasons Op.37b - X. October 'Autumn song'		
45	Impromptu Op.90 No.2 in E-flat Major	R. Schubert	SCHBT
46	12 Transcendental Etudes S.139-4 Mazeppa in D minor	F. Liszt	LISZT
47	Spring song-Frulingslied Op.62 No.6	F. Mendelssohn	MENDL
48	Waltz Op.39 No.15 in A-flat Major	J. Brahms	BRHMS
49	Prelude in C-Major BWV933 (Harpsichord)	J. S. Bach	BACH
50	Preludium und Fuge in B-flat major BWV560 (Pipe Organ)		

Etudes & Sonatines List

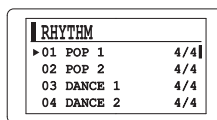
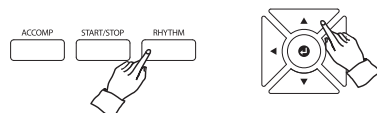
GROUP	COMPOSER	TITLES	DISPLAY
BEYER	BEYER	BEYER No.01-106	BEYER
BURGMULLER	BURGMULLER	BURG No.01-25	BURG
CZERNY	CZERNY	CZERNY100 No.01-106	CZN100
		CZERNY30 No.01-30	CZN30
		CZERNY40 No.01-40	CZN40
SONATINES	F. KUHLAU		Sonatine01_1-06_2
	M. CLEMENTI		Sonatine07_1-12_2
	J. HAYDN		Sonatine13_1-13_3
	W.A. MOZART		Sonatine14_1-14_3
	L.V BEETHOVEN		Sonatine15_1-16_2
	J.L. DUSSEK		Sonatine17_1-17_2

Choosing a Rhythm

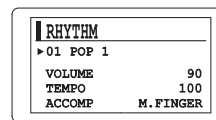
There are 80 in-built rhythms on the HDP-1 to play along to.

NO.	RHYTHM	NO.	RHYTHM	NO.	RHYTHM
01	POP 1	30	MOTOWN 2	59	BOSSANOVA 2
02	POP 2	31	SLOWROCK 1	60	BOSSANOVA 3
03	DANCE 1	32	SLOWROCK 2	61	WALTZ 1
04	DANCE 2	33	SLOWROCK 3	62	WALTZ 2
05	DANCE 3	34	GOSPEL	63	WALTZ 3
06	DANCE 4	35	FUNK 1	64	WALTZ 4
07	DANCE 5	36	FUNK 2	65	MARCH 1
08	DANCE 6	37	FUNK 3	66	MARCH 2
09	HIPHOP	38	BOOGIE	67	POLKA
10	HOUSE	39	SOUL 1	68	BLUEGRASS
11	BALLAD 1	40	SOUL 2	69	DOLCE
12	BALLAD 2	41	LATIN 1	70	CLASSIC
13	BALLAD 3	42	LATIN 2	71	COUNTRY 1
14	BALLAD 4	43	LATIN 3	72	COUNTRY 2
15	BALLAD 5	44	LATIN 4	73	FOLKROCK 1
16	BALLAD 6	45	SAMBA	74	FOLKROCK 2
17	BEGUINE 1	46	RHUMBA	75	COUNTRYROCK
18	BEGUINE 2	47	SALSA 1	76	FOLK
19	R&B	48	SALSA 2	77	REGGAE
20	NEWAGE	49	TANGO 1	78	CHACHA
21	ROCK 1	50	TANGO 2	79	MAKARENA 1
22	ROCK 2	51	BLUES 1	80	MAKARENA 2
23	ROCK 3	52	BLUES 2		
24	ROCK 4	53	SWING 1		
25	ROCK 5	54	SWING 2		
26	SHUFFLE 1	55	JAZZ 1		
27	SHUFFLE 2	56	JAZZ 2		
28	SHUFFLE 3	57	JAZZ 3		
29	MOTOWN 1	58	BOSSANOVA 1		

To select a rhythm, press the RHYTHM button. The rhythm list will be displayed on the screen.



Rhythm List



Rhythm Play

Use the ▲ or ▼ buttons to highlight the desired rhythm from the list and press the ◀ button to enter the playback screen.

Press the START/STOP button to control playback.

Press the ⏪ button to return to the previous screen.

The rhythm volume and tempo can be adjusted to suit your performance. Move the cursor using the ▲ or ▼ buttons to select the desired setting and then change the setting value using the ◀ button to decrease or the ▶ button to increase the settings.

Auto Accompaniment

The HDP-1 features a versatile auto accompaniment system that can provide rhythmic accompaniment to a diverse range of musical genres. Either drum beats only or chordal accompaniment (drums and chord parts together) can be selected, both providing a great way to add depth to your piano performances.


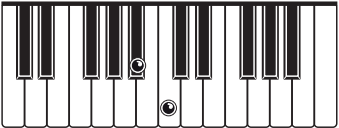
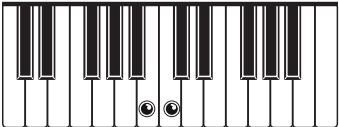
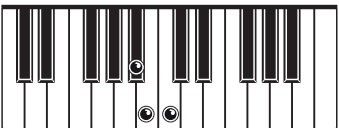
Starting Auto Accompaniment

1. Drum Beat only – after selecting a rhythm, press the START/STOP button on the playback screen to start and stop the drum accompaniment.
2. Chordal Accompaniment – after selecting a rhythm, turn on the ACCOMP button and play a chord in the low range (piano keys A0 to F#3).

There are four types of chord input methods:

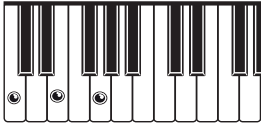
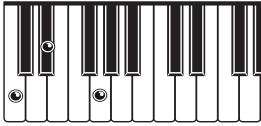
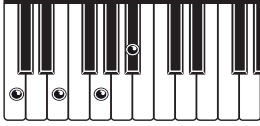
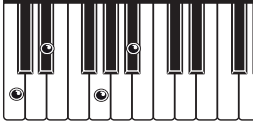
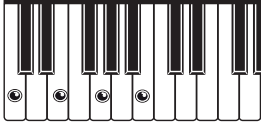
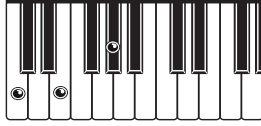
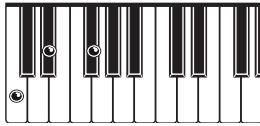
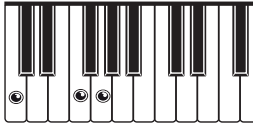
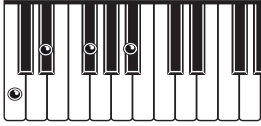
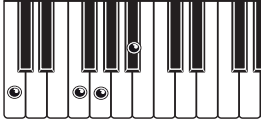
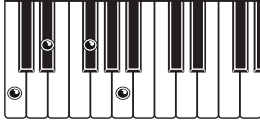
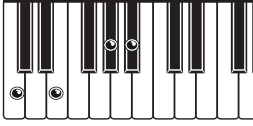
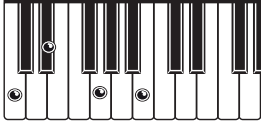
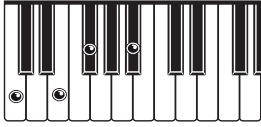

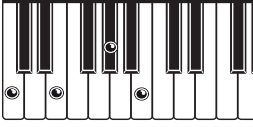
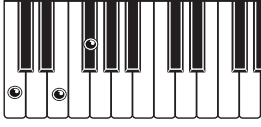
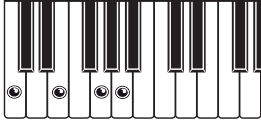

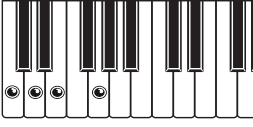
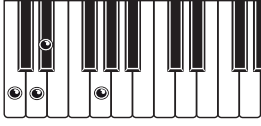
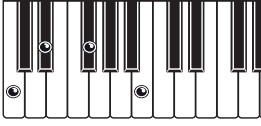
1. Single Finger – enter chords of up to three keys.
2. Fingered – the full chord is only detected when it is correctly played in the low range (piano keys A0 to F#3).
3. Multi-Finger (Default) – both Single Fingered and Fingered methods can be used in this mode.
4. Full Keyboard – this mode recognises chords played on all piano keys.

Single Finger example:

CHORD	EXAMPLE
<p>Major</p> <p>Play a note to generate a major triad with that note as its bass.</p>	<p>C</p> 
<p>Minor</p> <p>Play a note and its left side black key to generate a minor triad with the first note as its bass.</p>	<p>Cm</p> 
<p>Seventh</p> <p>Play a note and its left side white key to generate a dominant 7th chord with the first note as its bass.</p>	<p>C7</p> 
<p>Minor Seventh</p> <p>Play a note and its left side white and black keys to generate a minor 7th chord with the first note as its bass.</p>	<p>Cm7</p> 

Auto Accompaniment

Fingered example:

 Major: C	 Minor: Cm	 7th: C7	 Minor 7th: Cm7
 Major 7th: CM7	 Augmented: Caug	 Diminished: Cdim	 Suspended 4th: Csus4
 Minor 7th flat 5th: Cm7b5	 7th Suspended 4th: C7sus4	 Diminished 7th: Cdim7	 Augmented 7th: Caug7
 Minor-major 7th: CmM7	 7th flat 5th: C7b5	 Suspended 2nd: Csus2	 Augmented major 7th: CM7#5
 Major flat 5th: CMb5	 6th: C6	 Minor 6th: Cm6	 Major Add 9th: Cadd9
 Minor Add 9th: Cmadd9	 Minor major: CmM7b5		

Auto Accompaniment

INTRO/OUTRO

To add an intro or outro to the chordal accompaniment, press the FUNCTION button, use the ▼ button to select ACCOMP and press the ↵ button to enter this menu. Then use the ▲ or ▼ buttons to select either the INTRO START or OUTRO STOP options and use the ◀ or ▶ buttons to turn the feature on or off.

FILL PATTERNS

To add variation to your performance, when using auto accompaniment playback drum fill patterns can be added by pressing the left pedal (soft) or middle pedal (sostenuto).

To turn off this pedal feature, press the FUNCTION button, use the ▼ button to select CONTROLLER and press the ↵ button to enter this menu. Then use the ▲ or ▼ buttons to select PEDAL FILL-IN option and use the ◀ or ▶ buttons to turn the feature on or off.

ENDING AUTO ACCOMPANIMENT

Ending the auto accompaniment can be controlled using the START/STOP button. Press the START/STOP button once to end with a 4-bar outro with a variation pattern. Alternatively, press the START/STOP button twice to stop the accompaniment immediately.

To turn off the outro feature press the FUNCTION button, use the ▼ button to select ACCOMP and press the ↵ button to enter this menu. Then use the ▲ or ▼ buttons to select OUTRO STOP options and use the ◀ or ▶ buttons to turn the feature off.

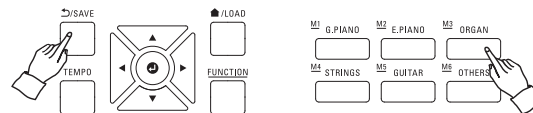
AUTO ACCOMPANIMENT SETTINGS

When in the rhythm playback screen, the volume, tempo and accompaniment type settings can be adjusted as required. Move the cursor using the ▲ or ▼ buttons to select the desired setting and use the ◀ or ▶ buttons to adjust the volume (0-100) or tempo (40-250bpm) of the accompaniment. Press the ACCOMP button to select the type of accompaniment mode (Single Finger, Fingered, Multi Finger, Full Keyboard) using the ◀ and ▶ buttons.

MEMORY SETTINGS

The HDP-1 allows you to save all settings made to sounds via its in-built memory.

To save performance settings, press and hold down the ⇧/SAVE button and then press the desired memory button M1-M6. When saving is complete, the “REGIST MEMORY” message will be shown on the screen.



To load saved performance settings, press and hold the ▲/LOAD button and then press the desired memory button M1-M6.

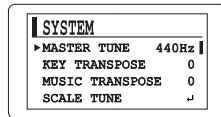
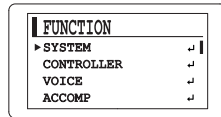
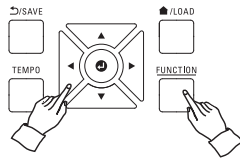
Settings can be stored in five memory banks, each with M1-M6 options, meaning a total of 30 performance settings can be saved.

To select different memory banks, press the FUNCTION button and then press the ↵ button to enter SYSTEM settings. Now use the ▲ or ▼ buttons to move the cursor to REGIST BANK and select the desired memory bank (A-E) using the ◀ or ▶ buttons.

Press the FUNCTION button again to exit the function menu and return to the home screen.

Functions

The HDP-1 includes a wide range of features that allow you to adjust the instrument exactly to your liking and performance preferences. These features can be accessed via the functions menu.



Press the FUNCTION button and use the ▲ or ▼ buttons to move the cursor to the desired setting and press the ↵ button to enter its menu.

A ↵ symbol on the screen indicates that the setting has a sub-menu, which again can be accessed by pressing either the ↵ or ▶ buttons.

Use the ◀ or ▶ buttons to decrease or increase parameter values or turn features on or off.

Press the FUNCTION button again to exit the function menu and return to the home screen.

Bluetooth

BLUETOOTH CONNECTIVITY

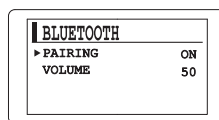
The HDP-1 features both Bluetooth audio and MIDI connectivity, allowing you to connect compatible mobile devices for audio playback through the piano's speakers or to send MIDI messages from the HDP-1 to compatible devices.

The piano's default pairing mode is ON, allowing for easy pairing between your device and the HDP-1. To control pairing mode, press the FUNCTION button, use the ▲ or ▼ buttons to move the cursor to BLUETOOTH and then press the ↵ button to enter this menu.

Use the ◀ or ▶ buttons to turn pairing mode on or off as required.

The volume of the audio signal can either be controlled via the connected device or via the VOLUME option in the BLUETOOTH menu. Use the ◀ button to decrease or ▶ button to increase the audio volume, from 0-100 (the default volume is 50).

Press the FUNCTION button again to exit the function menu and return to the home screen.



BLUETOOTH AUDIO

To connect, activate Bluetooth mode on your device and select the piano's name from the list of connectable devices. Once connected, audio from the device can be played through the piano.

BLUETOOTH MIDI

To connect, turn on the piano's "Bluetooth Pairing" option. Search for connectable devices in the application and select "HDP-1 .BLE". Make sure your application supports Bluetooth MIDI, and note that Bluetooth performance may vary depending on the device and operating system.

If there are any issues with the connection, ensure that the Bluetooth on the device is working properly. If the piano is not detected in the connectable device for audio, turn off Bluetooth and turn it back on. If you cannot find the piano on the connectable device for MIDI, turn off and on the Bluetooth setting or check if it has automatically connected to another device.

Settings

The following system settings can be adjusted:

SETTINGS	SUB-MENU	DEFAULT	RANGE	DETAILS
MASTER TUNE	-	440	415-465 Hz	Adjust the piano's pitch in 1Hz steps.
KEY TRANSPOSE	-	0	-12 ~ +12 semitones	Transpose up or down in units of semitones.
MUSIC TRANSPOSE	-	0	-12 ~ +12 semitones	Transpose up or down the pitch of the in-built music in units of semitones.
SCALE TUNE	BASS NOTE TYPE	C EQUAL TEMPERAMENT	C-B EQUAL TEMPERAMENT/ PURE MAJOR / PURE MINOR / PYTHAGOREAN / MEAN TONE / WERCKMEISTER / KIRNBERGER / ARABIC 1 / ARABIC 2	<p>Most western instruments use the equal temperament system for tuning but other systems have been used historically. The HDP-1 can be set to the following systems:</p> <p>Equal Temperament The most widely used system of tuning which features equal ratios of frequency between all semitones.</p> <p>Pure Major / Pure Minor A tuning system that strictly follows the natural overtones, which sets the frequency ratio between two notes to small integers. This scale produces the purest triads (I, IV, V)</p> <p>Pythagorean This system is constructed purely on the basis of octaves and fifths, which produces the purest fifths and fourths, but destabilises thirds.</p> <p>Mean Tone The mean-tone system was developed to address the impure thirds issue by slightly "narrowing" the fifths.</p> <p>Werckmeister / Kirnberger These tuning systems were created by combining the Mean Tone and Pythagorean systems, in which each musical key possesses its own characteristic.</p> <p>Arabic 1 / Arabic 2 The tuning system used for traditional Arabic music.</p>
REGIST BANK	-	A	A-E	Select the memory bank to store settings
KEEP SETTING	-	OFF	ON/OFF	If enabled, all changes to settings will be saved and retained if the piano is turned off/on.
AUTO POWER-OFF	-	30	OFF/30/60/120/240 mins	Allows the piano to power off after a period of inactivity, to save energy.
LCD CONTRAST	-	0	-20 ~ +20	Allows the brightness of the LCD screen to be adjusted.
RESET	-	-	YES/NO	If selected an confirmed, all settings and parameters return to their default values, excluding LCD CONTRAST and AUTO POWER-OFF.

Settings

The following controller settings can be adjusted:

SETTINGS	SUB-MENU	DEFAULT	RANGE	DETAILS
TOUCH	CURVE	NORMAL 3	FIXED / SOFT 1-3 / NORMAL 1-3 / HARD 1-3	<p>The Touch parameter determines how responsive the volume of a note is to the speed of the player's keystrokes. The piano offers 10 different touch settings to suit different types of players:</p> <p>Fixed All notes are sounded equally regardless of the playing velocity.</p> <p>Normal This setting represents the responsiveness of traditional acoustic pianos.</p> <p>Soft Even with soft playing, louder sounds can be achieved in this setting.</p> <p>Hard This setting is suitable for players with a strong touch.</p>
	FIXED VELOCITY	80	20-127	<p>This setting turns off the velocity sensitivity and all notes will produce the same velocity regardless of how hard or soft the keys are played.</p>
DAMPER PEDAL	LINEAR	ON	ON/OFF	<p>The Linear Pedal feature, also commonly referred to as the Half Pedal, adjusts the duration of sustain depending on how deep the sustain pedal is pressed.</p>
	DEPTH	NORMAL	LIGHT / NORMAL / DEEP	<p>This setting allows you to set the depth to which the sustain pedal effect is applied.</p>
	MAIN	ON	ON/OFF	<p>This setting individually sets the sustain pedal effect for the main voice, the layer voice and the split voice. When OFF is selected, the pedal effect is not applied, even when the pedal is pressed.</p>
	LAYER	ON	ON/OFF	
	SPLIT	ON	ON/OFF	
PEDAL FILL-IN	-	ON	ON/OFF	<p>When using auto accompaniment, the left and centre pedals will add fills/variations to the accompaniment sounds and rhythms when pressed. Turn that setting on and off here.</p>
DUAL BUTTON	-	LAYER/SPLIT	LAYER/SPLIT / TWIN	<p>Control the function of the DUAL button, choosing between Layer and Split (LY/SP) voices, or as a twin piano, ideal for tuition.</p>

Settings

The following voice settings can be adjusted. Please note, these settings only apply to the acoustic piano voices:

SETTINGS	SUB-MENU	DEFAULT	RANGE	DETAILS
PIANO ACOUSTIC	STRING RESO (Resonance)	60	0-100	In addition to the sound of the player hitting the keyboard directly to the strings, the acoustic piano has a unique string resonance phenomenon caused by sound interference between the piano strings. This feature allows you to adjust the string resonance volume of the acoustic piano sounds.
	DAMPER RESO (Resonance)	80	0-100	When you play the damper pedal on a traditional acoustic piano, in addition to the notes you play, you will hear all the strings of the piano reverberating. This is known as damper resonance which is a natural reverberation that occurs inside the piano cabinet. This feature lets you to adjust the damper resonance volume of the acoustic piano sounds.
	CABINET RESO (Resonance)	ON	ON/OFF	In addition to damper & string resonance, an acoustic piano has a cabinet resonance that occurs in the cabinet of the piano's main unit. This feature allows you to set the cabinet resonance. Cabinet resonances represent the resonances of the damper-free treble strings (piano keys G6–C8) and the resonances delivered by the piano frame. When using REVERB, the cabinet resonance effect is not applied, so the reverb effect should be turned off. This feature applies only to the main voice.
	HAMMER SOUND	30	0-100	An acoustic piano creates sound by striking its strings with hammers, which is called the hammer sound. This parameter allows you to recreate the effect of the physical sound of hammers hitting the strings and control its volume.
	STRETCH TUNE	ON	ON/OFF	When tuning an acoustic piano, the low strings are tuned fractionally lower than their original pitches, and the high strings fractionally higher, in order to accommodate the frequency difference of the harmonic series that occurs depending on the tension and stiffness of the strings. This acts to balance the pitches of the overtones and prevents dissonance when playing multiple notes at once. This parameter allows you to recreate this effect and turn it on or off.
3D EQ	3D LIVE	OFF	ON/OFF	The 3D surround sound effect maximises the stereo effect of the HDP-1's speakers, creating the feel of a three-dimensional performance space.
	EQ PRESET	FLAT	FLAT / PIANO / ACOUSTIC / ELECTRO / POP / ROCK / USER	Adjust the level of the low, low-mid, high-mid and high frequency bands for fine-tuning the HDP-1's sound exactly to your preference.
	LOW FREQ	0	-12 ~ +12 (dB)	The piano has a total of six preset EQ options along with a user EQ option. Frequency Bands: Low: 100Hz Low-Mid: 800Hz High-Mid: 3.5Hz High: 5kHz
	LOW-MID FREQ	0	-12 ~ +12 (dB)	
	HIGH-MID FREQ	0	-12 ~ +12 (dB)	
	HIGH FREQ	0	-12 ~ +12 (dB)	

Settings

SETTINGS	SUB-MENU	DEFAULT	RANGE	DETAILS
REVERB	TYPE	HALL1	OFF / ROOM1-3 / HALL 1-3 / STAGE 1-3	Choose from 9 reverb presets including Room, Hall or Stage effects.
	VOICE	65	0-100	This feature sets the reverb effect volume for keyboard performance (VOICE), auto accompaniment (ACCOMP) and the in-built music group (LESSON MUSIC) individually.
	ACCOMP	65	0-100	
	LESSON MUSIC	65	0-100	
FX	TYPE	OFF	OFF / CHORUS / PHASER / TREMOLO / ROTARY	Choose from 4 effect types; Chorus, Phaser, Tremolo and Rotary Speaker effect.
	DEPTH	80	0-100	Control the intensity or "depth" of the chosen effect.
SPLIT POINT	-	F#3	C2-C6	Split Point determines the point by which the keyboard is divided when using Split/Twin modes.
OCTAVE	MAIN	0	-1 ~ +1	Adjust the octaves for main, layer, and split individually.
	LAYER	0	-1 ~ +1	
	SPLIT	0	-1 ~ +1	
BRILLIANCE	-	0	-50 ~ +50	Brilliance determines the timbre of the piano sound. When this effect is increased the piano sound gains brightness and clarity, and when decreased the sound is softened.

Settings

The following volume settings can be adjusted:

SETTINGS	DEFAULT	RANGE	DETAILS
MAIN	100	0-100	Control the volume of the main voice.
LAYER	70	0-100	Control the volume of the layer voice.
SPLIT	100	0-100	Control the volume of the split voice.
METRONOME	80	50-100	Control the volume of the metronome.
ACCOMP	90	0-100	Control the volume of the auto accompaniment.
LESSON MUSIC	85	0-100	Control the volume of the lesson music.
SMF PLAYER	70	0-100	Control the volume of the SMF player.
MP3 PLAYER	50	0-100	Control the volume of the MP3 player.
BLUETOOTH	50	0-100	Control the volume of the Bluetooth audio.
AUX IN	50	0-100	Control the volume of the Aux In signal.

Settings

The following system settings can be adjusted:

SETTINGS	SUB-MENU	DEFAULT	RANGE	DETAILS
LOCAL CONTROL	-	ON	ON/OFF	Intended for MIDI users, this setting is used mainly when connecting the piano to external devices like computers so as to use the piano as a MIDI input device. Setting Local Control to Off prevents the input data of the keyboard from being sent to the internal speaker system of the piano, thereby silencing it while the data outputs as MIDI signals to any external connected devices.
MIDI OUT	MAIN LAYER SPLIT NOTE OFF VELOCITY	CH01 CH02 CH03 ON	CH01-CH16 CH01-CH16 CH01-CH16 ON/OFF	Select the MIDI output channel for the main voice. Select the MIDI output channel for the layer voice. Select the MIDI output channel for the split voice. Control the note off velocity setting.

Voices

NO.	VOICE
001	Grand Piano 1
002	Grand Piano 2
003	Grand Piano 3
004	Honky Tonk
005	Electric Piano 1
006	Electric Piano 2
007	Harpsichord
008	Clavinet
009	Celesta
010	Glockenspiel
011	Music Box
012	Vibraphone
013	Marimba
014	Xylophone
015	Tubular Bell
016	Dulcimer
017	Electric Organ 1
018	Electric Organ 2
019	Electric Organ 3
020	Pipe Organ
021	Reed Organ
022	Accordion
023	Harmonica
024	Bandonion
025	Nylon Guitar
026	Steel Guitar
027	Jazz Guitar
028	Clean Guitar
029	Muted Guitar
030	Drive Guitar
031	Lead Guitar
032	Harmonic Guitar
033	Acoustic Bass
034	Finger Bass
035	Pick Bass
036	Fretless Bass
037	Slap Bass 1
038	Slap Bass 2
039	Synth Bass 1
040	Synth Bass 2
041	Violin
042	Viola
043	Cello
044	Contra Bass
045	Tremolo Strings
046	Pizzicato Strings
047	Harp
048	Timpani

NO.	VOICE
049	Strings
050	Slow Strings
051	Synth Strings 1
052	Synth Strings 2
053	Choir Aahs
054	Voice Oohs
055	Synth Voice
056	Orchestra Hit
057	Trumpet
058	Trombone
059	Tuba
060	Muted Trumpet
061	French Horn
062	Brass Section
063	Synth Brass 1
064	Synth Brass 2
065	Soprano Saxophone
066	Alto Saxophone
067	Tenor Saxophone
068	Baritone Saxophone
069	Oboe
070	English Horn
071	Bassoon
072	Clarinet
073	Piccolo
074	Flute
075	Recorder
076	Pan Flute
077	Bottle Blow
078	Shakuhachi
079	Whistle
080	Ocarina
081	Square
082	Sawtooth
083	Calliope
084	Chiffer
085	Charang
086	Solo Vox
087	Fifths
088	Bass Lead
089	Fantasia
090	Warm Pad
091	Poly Synth
092	Space Vox
093	Bow Glass
094	Metal Pad
095	Halo Pad
096	Sweep Pad

NO.	VOICE
097	Ice Rain
098	Sound Track
099	Crystal
100	Atmosphere
101	Brightness
102	Goblin
103	Echo Drop
104	Star Theme
105	Sitar
106	Banjo
107	Shamisen
108	Koto
109	Kalimba
110	Bagpipe
111	Fiddle
112	Shanai
113	Tinkle Bell
114	Agogo
115	Steel Drum
116	Wood Block
117	Taiko
118	Melody Tom
119	Synth Drum
120	Reversed Cymbal
121	Guitar Noise
122	Breath Noise
123	Sea Shore
124	Birds
125	Telephone
126	Helicopter
127	Applause
128	Gunshot

Percussion

PROG 59 SFX1 (SFX1 SET)	
21 - A0	Low
22 - A#0	Bass Drum
23 - B0	Snare Drum Left Hand
24 - C1	Snare Drum Right Hand
25 - C#1	Bongo
26 - D1	Guiro
27 - D#1	Conga
28 - E1	Whistle
29 - F1	Sogo
30 - F#1	Cymbal
31 - G1	Castanets
32 - G#1	Triangle
33 - A1	Maracas
34 - A#1	Tambourine
35 - B1	Low/High (Woodblock Low/High)
36 - C2	Double Low C
37 - C#2	Jingle
38 - D2	Rocket Fire
39 - D#2	Jing
40 - E2	One
41 - F2	Two
42 - F#2	Scoundrel's Laugh
43 - G2	Three
44 - G#2	Cricket
45 - A2	Four
46 - A#2	Fairy
47 - B2	Five
48 - C3	Low C
49 - C#3	Samul Janggu L-1
50 - D3	Claps

PROG 59 SFX1 (SFX1 SET)	
65 - F4	Chicks/Rooster
66 - F#4	Duck
67 - G4	Cat
68 - G#4	Dog
69 - A4	Goat
70 - A#4	Pig
71 - B4	Cow
72 - C5	High C
73 - C#5	Small Gong-1
74 - D5	Horse
75 - D#5	Small Gong-2
76 - E5	Horse Running
77 - F5	Frog/Frogs
78 - F#5	Splash
79 - G5	Swan+Bubble
80 - G#5	Comical Sound
81 - A5	Wolf
82 - A#5	Children's Laugh
83 - B5	Tiger
84 - C6	Double High C
85 - C#6	Samul Drum1
86 - D6	Bear
87 - D#6	Samul Drum2
88 - E6	Elephant
89 - F6	Bicycle
90 - F#6	Wall Clock+Pendulum
91 - G6	Bell
92 - G#6	Stream
93 - A6	Car
94 - A#6	Sea Waves/Waterfall

Percussion

PROG 59 SFX1 (SFX1 SET)	
51 - D#3	Samul Janggu L-2
52 - E3	Claps
53 - F3	Short/Long
54 - F#3	Samul Janggu M
55 - G3	Soft/Loud
56 - G#3	Samul Janggu R-1
57 - A3	Good/Very Good
58 - A#3	Samul Janggu R-2
59 - B3	Table Clock
60 - C4	Middle C
61 - C#4	Cuckoo
62 - D4	Bird
63 - D#4	Whistle Bird
64 - E4	Hen/Cackling

PROG 59 SFX1 (SFX1 SET)	
95 - B6	Train/Train+Whistle
96 - C7	Rain
97 - C#7	Forest
98 - D7	Wind
99 - D#7	Wind Chime
100 - E7	Thunder
101 - F7	Deep Sea
102 - F#7	The Sea
103 - G7	Bubble
104 - G#7	Fish Bubble
105 - A7	Robot
106 - A#7	Telephone
107 - B7	Helicopter/Siren
108 - C8	High

Percussion

	PROG 1 STANDARD DRUM (DRUM SET)	PROG 9 ROOM DRUM	PROG 17 ROCKDRUM	PROG 25 ELEC. DRUM	PROG 26 ANALOG DRUM
24 - C1	Gong	Gong	Gong	Gong	Gong
25 - C#1	Hand Snap	Hand Snap	Hand Snap	Hand Snap	Hand Snap
26 - D1	Snare Roll	Snare Roll	Snare Roll	Snare Roll	Snare Roll
27 - D#1	High Q	High Q	High Q	High Q	High Q
28 - E1	Slap	Slap	Slap	Slap	Slap
29 - F1	Scratch Push	Scratch Push	Scratch Push	Scratch Push	Scratch Push
30 - F#1	Scratch Pull	Scratch Pull	Scratch Pull	Scratch Pull	Scratch Pull
31 - G1	Sticks	Sticks	Sticks	Sticks	Sticks
32 - G#1	Square Click	Square Click	Square Click	Square Click	Square Click
33 - A1	Metronome Click	Metronome Click	Metronome Click	Metronome Click	Metronome Click
34 - A#1	Metronome Bell	Metronome Bell	Metronome Bell	Metronome Bell	Metronome Bell
35 - B1	Kick Drum2	Power Kick1	Power Kick2	Power Kick1	Power Kick1
36 - C2	Kick Drum1	Room Kick	Power Kick1	Elec BD	808 Bass Drum
37 - C#2	Side Stick	Side Stick	Side Stick	Side Stick	808 Rim shot
38 - D2	Snare Drum1	Room SD1	Power Snare1	Elec SD1	808 Snare Drum
39 - D#2	Hand Clap	Hand Clap	Hand Clap	Hand Clap	Hand Clap
40 - E2	Snare Drum2	Room SD2	Power Snare2	Elec SD2	Room SD2
41 - F2	Low Floor Tom	Room Low Tom2	Room Low Tom2	Elec Low Tom2	808 Low Tom2
42 - F#2	Closed Hi-Hat [EXC1]	Closed Hi-Hat [EXC1]	Closed Hi-Hat [EXC1]	Closed Hi-Hat [EXC1]	808 CHH [EXC1]
43 - G2	High Floor Tom	Room Low Tom1	Room Low Tom1	Elec Low Tom1	808 Low Tom1
44 - G#2	Pedal Hi-Hat [EXC1]	Pedal Hi-Hat [EXC1]	Pedal Hi-Hat [EXC1]	Pedal Hi-Hat [EXC1]	808 PHH [EXC1]
45 - A2	Low Tom	Room Mid Tom2	Room Mid Tom2	Elec Mid Tom2	808 Mid Tom2
46 - A#2	Open Hi-Hat [EXC1]	Open Hi-Hat [EXC1]	Open Hi-Hat [EXC1]	Open Hi-Hat [EXC1]	808 OHH [EXC1]
47 - B2	Low-Mid Tom	Room Mid Tom1	Room Mid Tom1	Elec Mid Tom1	808 Mid Tom1
48 - C3	Hi Mid Tom	Room Hi Tom2	Room Hi Tom2	Elec Hi Tom2	808 Hi Tom2
49 - C#3	Crash Cymbal1	Crash Cymbal1	Crash Cymbal1	Crash Cymbal1	808 Cymbal
50 - D3	High Tom	Room Hi Tom1	Room Hi Tom1	Elec Hi Tom1	808 Hi Tom1
51 - D#3	Ride Cymbal1	Ride Cymbal1	Ride Cymbal1	Ride Cymbal1	Ride Cymbal1
52 - E3	Chinese Cymbal	Chinese Cymbal	Chinese Cymbal	Reverse Cymbal	Chinese Cymbal
53 - F3	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell
54 - F#3	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine

Percussion

	PROG 1 STANDARD DRUM (DRUM SET)	PROG 9 ROOM DRUM	PROG 17 ROCKDRUM	PROG 25 ELEC. DRUM	PROG 26 ANALOG DRUM
55 - G3	Splash Cymbal	Splash Cymbal	Splash Cymbal	Splash Cymbal	Splash Cymbal
56 - G#3	Cowbell	Cowbell	Cowbell	Cowbell	808 Cowbell
57 - A3	Crash Cymbal2	Crash Cymbal2	Crash Cymbal2	Crash Cymbal2	Crash Cymbal2
58 - A#3	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap
59 - B3	Ride Cymbal2	Ride Cymbal2	Ride Cymbal2	Ride Cymbal2	Ride Cymbal2
60 - C4	High Bongo	High Bongo	High Bongo	High Bongo	High Bongo
61 - C#4	Low Bongo	Low Bongo	Low Bongo	Low Bongo	Low Bongo
62 - D4	Mute Hi Conga	Mute Hi Conga	Mute Hi Conga	Mute Hi Conga	808 High Conga
63 - D#4	Open Hi Conga	Open Hi Conga	Open Hi Conga	Open Hi Conga	808 Mid Conga
64 - E4	Low Conga	Low Conga	Low Conga	Low Conga	808 Low Conga
65 - F4	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale
66 - F#4	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale
67 - G4	High Agogo	High Agogo	High Agogo	High Agogo	High Agogo
68 - G#4	Low Agogo	Low Agogo	Low Agogo	Low Agogo	Low Agogo
69 - A4	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa
70 - A#4	Maracas	Maracas	Maracas	Maracas	808 Maracas
71 - B4	Short Whistle [EXC2]	Short Whistle [EXC2]	Short Whistle [EXC2]	Short Whistle [EXC2]	Short Whistle [EXC2]
72 - C5	Long Whistle [EXC2]	Long Whistle [EXC2]	Long Whistle [EXC2]	Long Whistle [EXC2]	Long Whistle [EXC2]
73 - C#5	Short Guiro [EXC3]	Short Guiro [EXC3]	Short Guiro [EXC3]	Short Guiro [EXC3]	Short Guiro [EXC3]
74 - D5	Long Guiro [EXC3]	Long Guiro [EXC3]	Long Guiro [EXC3]	Long Guiro [EXC3]	Long Guiro [EXC3]
75 - D#5	Claves	Claves	Claves	Claves	808 Claves
76 - E5	Hi Wood Block	Hi Wood Block	Hi Wood Block	Hi Wood Block	Hi Wood Block
77 - F5	Low Wood Block	Low Wood Block	Low Wood Block	Low Wood Block	Low Wood Block
78 - F#5	Mute Cuica [EXC4]	Mute Cuica [EXC4]	Mute Cuica [EXC4]	Mute Cuica [EXC4]	Mute Cuica [EXC4]
79 - G5	Open Cuica [EXC4]	Open Cuica [EXC4]	Open Cuica [EXC4]	Open Cuica [EXC4]	Open Cuica [EXC4]
80 - G#5	Mute Triangle [EXC5]	Mute Triangle [EXC5]	Mute Triangle [EXC5]	Mute Triangle [EXC5]	Mute Triangle [EXC5]
81 - A5	Open Triangle [EXC5]	Open Triangle [EXC5]	Open Triangle [EXC5]	Open Triangle [EXC5]	Open Triangle [EXC5]
82 - A#5	Shaker	Shaker	Shaker	Shaker	Shaker
83 - B5	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
84 - C6	Belltree	Belltree	Belltree	Belltree	Belltree

Percussion

	PROG 1 STANDARD DRUM (DRUM SET)	PROG 9 ROOM DRUM	PROG 17 ROCKDRUM	PROG 25 ELEC. DRUM	PROG 26 ANALOG DRUM
85 - C#6	Castanets	Castanets	Castanets	Castanets	Castanets
86 - D6	Mute Surdo [EXC6]	Mute Surdo [EXC6]	Mute Surdo [EXC6]	Mute Surdo [EXC6]	Mute Surdo [EXC6]
87 - D#6	Open Surdo [EXC6]	Open Surdo [EXC6]	Open Surdo [EXC6]	Open Surdo [EXC6]	Open Surdo [EXC6]
88 - E6	Applause	Applause	Applause	Applause	Applause

MIDI Chart

FUNCTION			RECOGNIZED	TRANSMITTED	REMARK
Basic Channel	Default		ALL	1 -3	
Mode	Default		OMNI OFF, POLY	OMNI OFF, POLY	
Note ON/OFF	9nH kk vv		0	0	#kk:note ON (0-127) #vv:velocity (1-127)
Pitch Bender	EnH bi bh		0	0	Maximum swing +/- 1 tone
Control Change	00	BnH 00H cc	0	X	Bank Select
	01	BnH 01H cc	0	X	Modulation Wheel
	05	BnH 05H cc	0	X	Portamento Time
	06	BnH 06H cc	0	X	Data Entry
	07	BnH 07H cc	0	X	Volume
	10	BnH 0AH cc	0	X	Pan Out
	11	BnH 0BH cc	0	X	Expression
	64	BnH 40H cc	0	0	Damper Pedal
	65	BnH 41H cc	0	X	Portamento ON/OFF
	66	BnH 42H cc	0	0	Sostenuto Pedal
	67	BnH 43H cc	0	0	Soft Pedal
	80	BnH 80H vv	0	X	Reverb Prog.(vv=00H-70H)
	81	BnH 51H vv	0	X	Chorus Prog.
	91	BnH 5BH vv	0	0	Reverb Send Level
	93	BnH 5DH vv	0	0	Chorus Send Level
	120	BnH 78H 00H	0	X	All Sound Off
121	BnH 79H 00H	0	X	Reset All Controller	
123	BnH 7BH 00H	0	X	All Notes Off	
126	BnH 7EH 00H	0	X	Mono On	
127	BnH 7FH 00H	0	X	Poly On	
Program	Change	CnH PP	0	0	Sounds/Drum Set List
System	Exclusive	General MIDI Reset	X	X	

Specifications

Keys	88 Tri-Sensor Hammer Action
Voices	127
Songs	50
Polyphony	256 notes
Pedals	Soft, Sostenuto, Sustain (including half pedalling)
Effects	Reverb, Chorus, Tremolo, Rotary Speaker
Features	Auto Accompaniment, Metronome, 2-Track Recording, 5 x Memory Banks, Layer, Split, Twin
Connections	Bluetooth Audio, Bluetooth MIDI, 3.5mm Aux In/Out, USB to Host, USB Flash Drive, 3.5mm & 6.35mm Headphones, 24v DC Power Input
Speakers	2 x 25w
Dimensions	Height: 960mm (115mm including music rest) x Width: 1410mm x Depth: 400mm
Weight	46.75kg

