LOWREY

EZP3 EASY Piano

Owner's Guide

Thank you for choosing the Lowrey EZP3 EASY Piano for your home!
This guide offers complete operational information to help you enjoy your new musical instrument. Please read the guide and keep it close by for future reference.

Table of Contents

Important Safety Instructions

SAVE THESE INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

AVIS : RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR.

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lighting flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the leterature accompanying the product.

Examples of Picture Symbols

	denotes that care should be taken. The example instructs the user to take care not to allow fingers to be trapped.
	denotes a prohibited operation. The example instructs that disassembly of the product is prohibited.
	denotes an operation that should be carried out. The example instructs the user to remove the power cord plug from the AC outlet.

Read all the instructions before using the product.

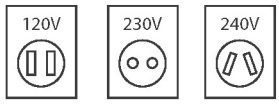
1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prongs are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or object have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING - When using electric products, basic precautions should always be followed, including the following.

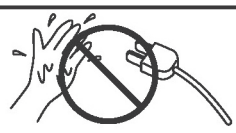
⚠ WARNING Indicates a potential hazard that could result in death or serious injury if the product is handled incorrectly.

The product should be connected to an AC outlet of the specified voltage.



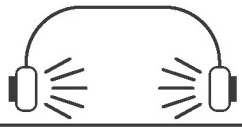
- If you are going to use an AC power cord, make sure that its has the correct plug shape and conforms to the specified power voltage.
- Failure to do so may result in fire.

Do not insert or disconnect the power cord plug with wet hands.



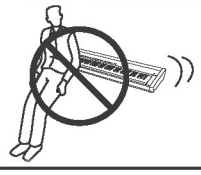
Doing so may cause electric shock.

When using the headphones, do not listen for long periods of time at high volume levels.



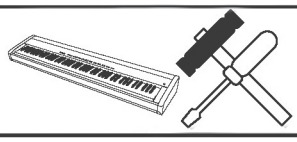
Doing so may result in hearing problems.

Do not lean against the keyboard.



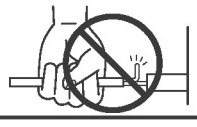
Doing so may cause the product to fall over, resulting in injury.

Do not disassemble, repair or modify the product.



Doing so may result in product breakdown, electric shock or short-circuit.

When disconnecting the AC power cord's plug, always hold the plug and pull it to remove it.

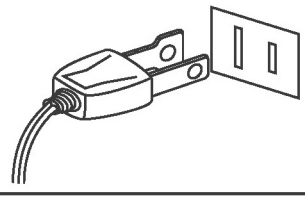


- Pulling the AC power cord itself may damage the cord, causing a fire, electric shock or short-circuit.

The product is not completely disconnected from the power supply even when the power switch is turned off. If the product will not be used for a long time, unplug the AC power cord from the AC outlet.

- Failure to do so may cause fire in case of lightning.
- Failure to do so may over-heat the product, resulting in fire.

This product may be equipped with a polarized line plug (one blade wider than the other). This is a safety feature.
If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet.
Do not defeat the safety purpose of the plug.



This product shall be near the AC outlet and the power cord plug in a position so that it can readily be disconnected in an emergency because electricity is always charging while the plug is in the AC outlet even in a power switch off condition.

⚠ CAUTION

Indicates a potential hazard that could result in injury or damage to the product or other property if the product is handled incorrectly.

Do not use the product in the following areas.

- **Areas, such as those near windows, where the product is exposed to direct sunlight**
- **Extremely hot areas, such as near a heater**
- **Extremely cold areas, such as outside**
- **Extremely humid areas**
- **Areas where a large amount of sand or dust is present**
- **Areas where the product is exposed to excessive vibrations**

Using the product in such areas may result in product breakdown.
Use the product only in moderate climates (not in tropical climates).

- **Do not stand the main unit on its side for extended periods of time.**
- **Do not attempt to play the main unit at unusual angles.**

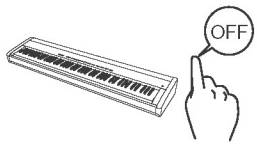
Doing so may place stress on the keyboard action, resulting in breakdown of the product.

Use only the AC adaptor included with this instrument to power the instrument.

- **Do not use other AC adaptors to power this instrument.**
- **Do not use the included AC adaptor or AC power cord to power other equipment.**

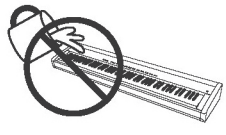
When using headphones or playing with a low volume setting, it may be possible to hear the mechanical movements of the keyboard action. This is to be expected, and should not be considered a fault.

Before connecting cords, make sure that the power to this product and other devices is turned OFF. ⚠



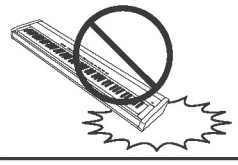
Failure to do so may cause breakdown of this product and other devices.

Take care not to allow any foreign matter to enter the product. ⚠



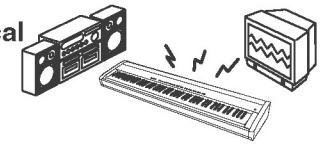
Entry of water, needles or hair pins may result in breakdown or short-circuit.
The product shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the product.

Do not drag the product on the floor. Take care not to drop the product.



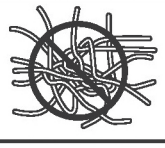
Please lift up the product when moving it.
Please note that the product is heavy and must be carried by more than two persons.
Dropping the product may result in breakdown.

Do not place the product near electrical appliances such as TVs and radios. ⚠



- Doing so may cause the product to generate noise.
- If the product generates noise, move the product sufficiently away from the electrical appliance or connect it to another AC outlet.

When connecting the AC power cord and other cords, take care not to get them tangled. ⚠

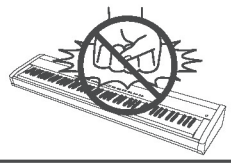


Failure to do so may damage them, resulting in fire, electric shock or short-circuit.

Do not wipe the product with benzene or thinner.

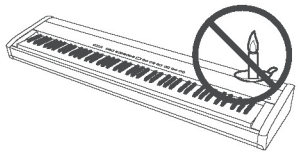
- Doing so may result in discoloration or deformation of the product.
- When cleaning the product, put a soft cloth in lukewarm water, squeeze it well, then wipe the product.

Do not stand on the product or exert excessive force.



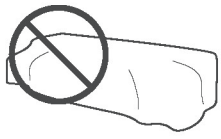
- Doing so may cause the product to become deformed or fall over, resulting in breakdown or injury.

Do not place naked flame, such as lighted candles on the product.



Doing so may cause the illumination to fall over, resulting in fire.

Ensure that the ventilation is not impeded by covering the ventilation openings with items, such as newspaper, table-cloths, curtains, etc.



Failure to do so may over-heat the product, resulting in fire.

The product should be located so that its location or position does not interfere with its proper ventilation. Ensure a minimum distance of 5cm around the product for sufficient ventilation.

The product should be serviced by qualified service personnel when:

- **The power supply cord or the plug has been damaged.**
- **Objects have fallen, or liquid has been spilled into the product.**
- **The product has been exposed to rain.**
- **The product does not appear to operate normally or exhibits a marked change in performance.**
- **The product has been dropped, or the enclosure damaged.**

Notes on Repair
Should an abnormality occur in the product, immediately turn the power OFF, disconnect the power cord plug, and then contact the shop from which the product was purchased.

CAUTION:
To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION:
Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

Instruction for AC power cord (U.K.)
Do not plug either terminal of the power cord to the ground of the AC outlet on the wall.

FCC Information
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.
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 different electrical circuit from the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

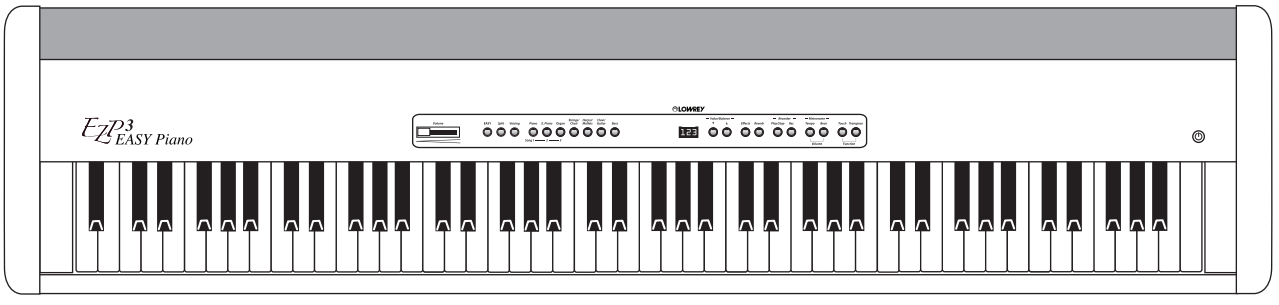
Canadian Radio Interference Regulations
This instrument complies with the limits for a class B digital apparatus, pursuant to the Radio Interference Regulations, C.R.C., c. 1374.

An information on Disposal for users
If your product is marked with this recycling symbol it means that, at the end of its life, you must dispose of it separately by taking it to an appropriate collection point.
You should not mix it with general household waste. Disposing of this product correctly will prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.
For further details, please contact your local authority.
(European Union only)

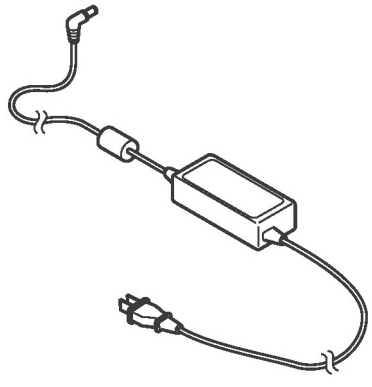
Components

The EZP3 digital piano package contains the components listed here:

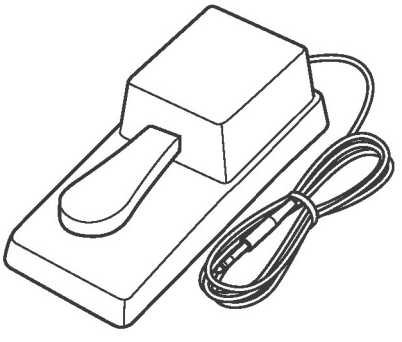
EZP3 digital piano



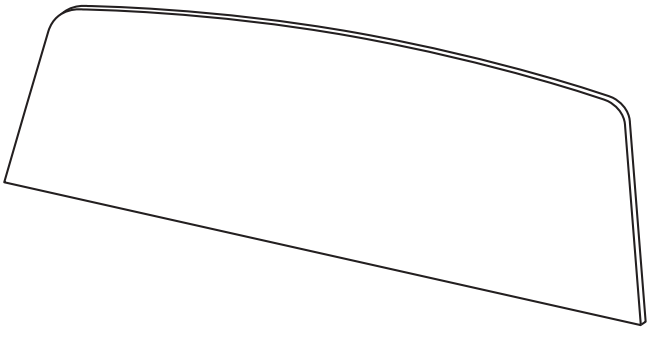
AC Power Adapter (PS-154)



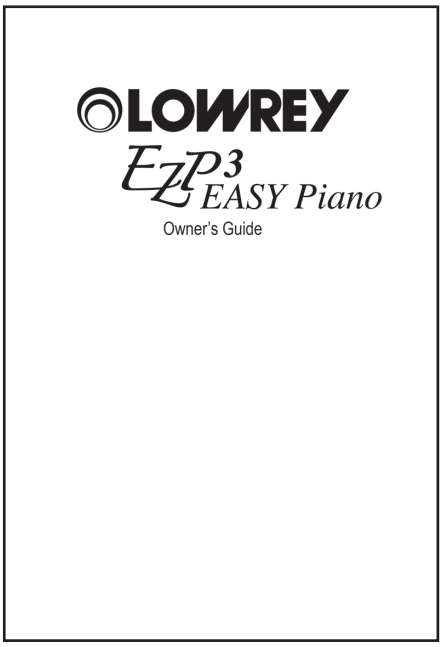
Foot Pedal (F-10H)



Music Rack



Owner's Guide



Advanced Features

Advanced Hammer Action IV-F

Developed to accurately represent the touch of a traditional grand piano, the Advanced Hammer Action IV-F keyboard features springless construction, for a smoother, more natural, piano feeling. Just as acoustic pianos utilize heavier bass hammers and lighter treble hammers, the EZP3 digital piano keyboard also employs different hammer weights, appropriately graded for each playing range. This innovative technology is designed to satisfy the demands of the beginning player and the most discerning pianist.

Harmonic Imaging™ Technology

The authentic sound of the Lowrey EZP3 begins with a Kawai EX Concert grand piano. Placed inside an anechoic chamber, free of audio reflections, the rich sound of this world class instrument is meticulously analyzed and recorded by Master Piano Artisans. The acoustic portrait of each note is later transformed into a precise three dimensional digital representation, employing proprietary Harmonic Imaging™ technology. This unique process allows the EZP3 digital piano to faithfully reproduces the broad dynamic range of the original grand piano.

Sound Selection

The EZP3's 21 realistic sounds makes playing various musical styles possible. A wide variety of authentic instrumental sounds, in addition to the rich piano sounds, range in scope from electric pianos and organs, to harpsichord, strings, and percussion instruments.

Powerful Audio System

The EZP3 features an incredibly powerful 6-speaker audio system that delivers live performance sound without additional amplification gear. Simply power up and play to enjoy the innovative speaker box enclosure that provides deep bass and crisp highs, all from within the EZP3's compact, portable design. And adjustable reverb, effects, and EQ settings let the player easily adjust the sound for a variety of environments for the absolute best sound.

Flexibility and Variety

The EZP3 EASY Piano features make the instrument a perfect choice for the beginning player, the hobby player, and even the most discerning pianist. Simply press the EASY button to utilize MCS, Lowrey's one-finger chord system that forms musically correct accompaniment chords and automatic bass effortlessly. The EZP3 offers music making for everyone!

Connectivity

Plug in a portable music player and play along with your favorite song. Play songs utilizing a tablet and one of many downloadable music making 'Apps'. Connect the EZP3 to a computer via USB or MIDI for advanced recording and composition. Play and practice with others by using the dual stereo headphone outputs and four hands keyboard feature. Whether in a home, on the road, at a studio, or in a classroom lab, the EZP3 offers the flexibility, connectivity, and superior performance features for any music making situation.

Controls and Functions

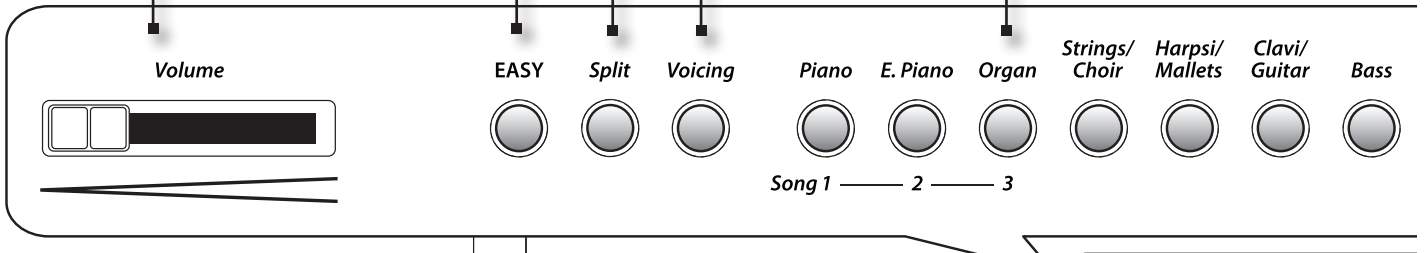
Volume Controls the volume level. Move the volume slider to the right to increase volume. Move the slider to the left to decrease volume. *pg. 13*

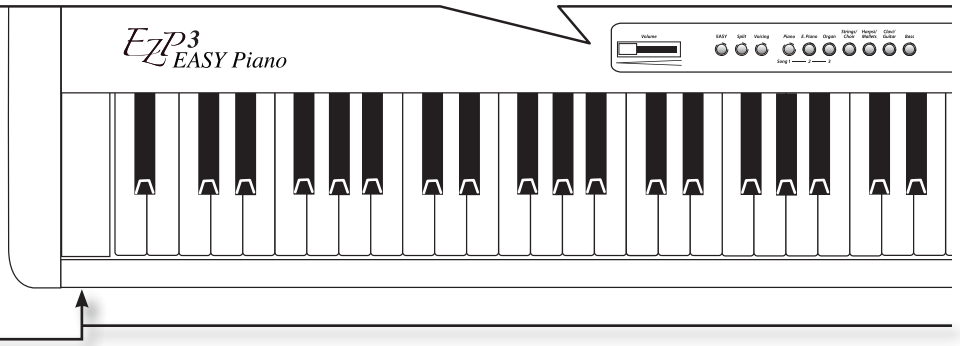
Split Divides the keyboard in two: Lower and Upper sections. *pg. 18*

Sounds Select the sound(s) for your song. *pg. 16*
The buttons also used to operates the Recorder. *pg. 29*

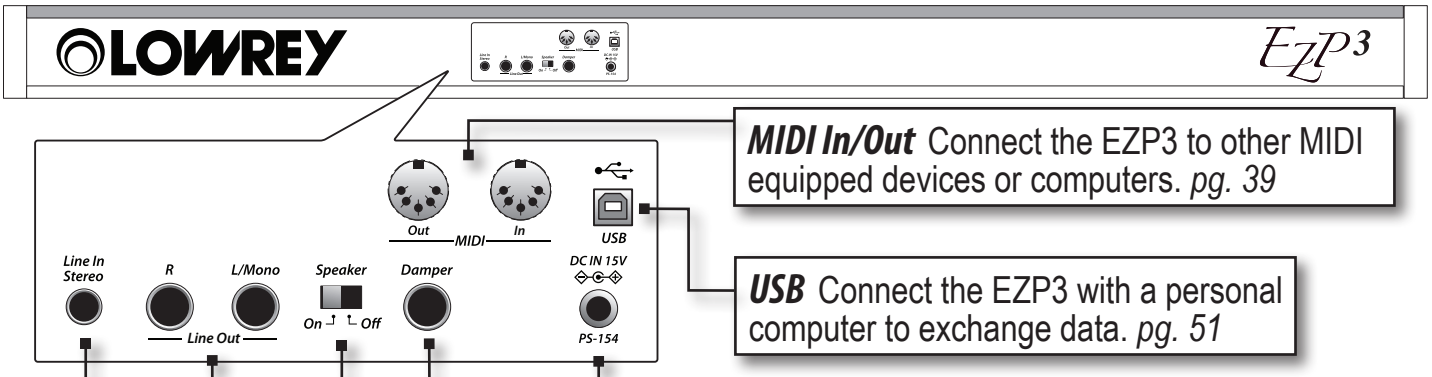
EASY Activates Lowrey easy play features and splits the keyboard: EZ Chords, Chord Memory, Auto Bass. *pg. 14*

Voicing Adjust the tonal quality of the piano. *pg. 26*





Headphone Stereo jacks are located on the right and left sides. Connect two pair of stereo headphones at the same time.



MIDI In/Out Connect the EZP3 to other MIDI equipped devices or computers. *pg. 39*

USB Connect the EZP3 with a personal computer to exchange data. *pg. 51*

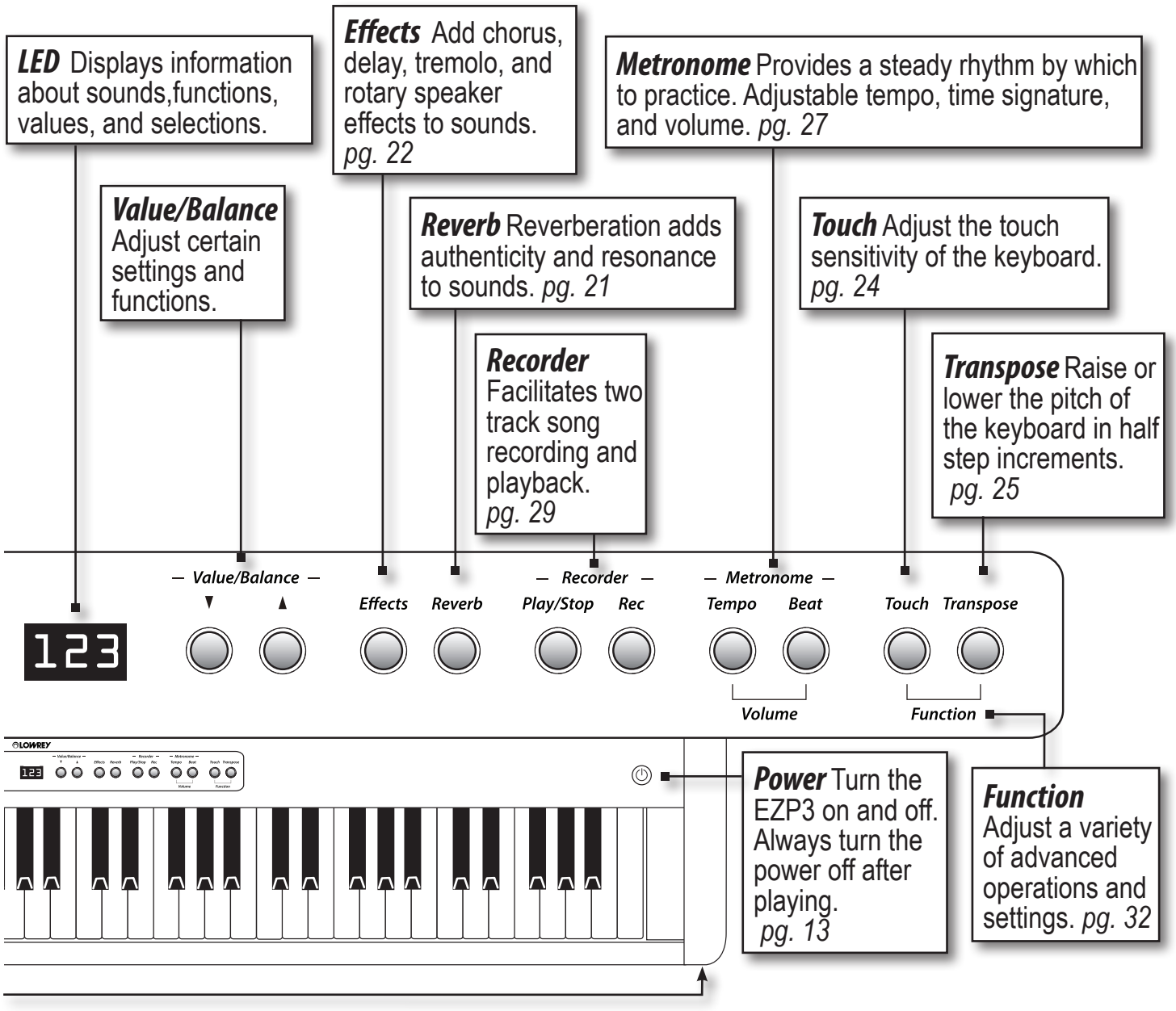
Damper Connect the damper pedal that is included in the EZP3 package. *pg. 12*

Speaker On / Off Turn the EZP3 speakers on and off. *pg. 12*

Line In Stereo Connect a portable music player / CD player or other audio device. *pg. 51*

Line Out Connect the EZP3 to an external amplifier/speaker system or audio recording devices. *pg. 51*

DC In Connect the power adapter that is included in the EZP3 package. *pg. 13*

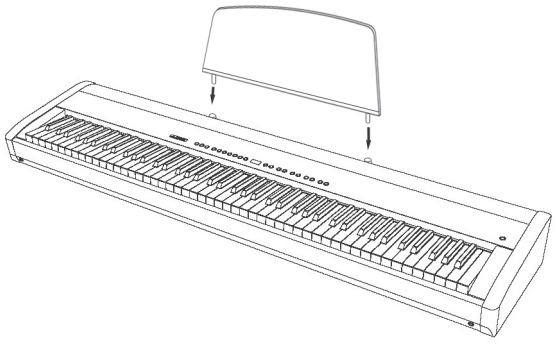

LED Displays information about sounds,functions, values, and selections.
Effects Add chorus, delay, tremolo, and rotary speaker effects to sounds. pg. 22
Metronome Provides a steady rhythm by which to practice. Adjustable tempo, time signature, and volume. pg. 27
Value/Balance Adjust certain settings and functions.
Reverb Reverberation adds authenticity and resonance to sounds. pg. 21
Touch Adjust the touch sensitivity of the keyboard. pg. 24
Recorder Facilitates two track song recording and playback. pg. 29
Transpose Raise or lower the pitch of the keyboard in half step increments. pg. 25
123
— Value/Balance —
Effects
Reverb
— Recorder —
Play/Stop
Rec
— Metronome —
Tempo
Beat
Touch
Transpose
Volume
Function
Power Turn the EZP3 on and off. Always turn the power off after playing. pg. 13
Function Adjust a variety of advanced operations and settings. pg. 32

Let' Get Started

Attaching The Music Rack

Insert the legs of the music rack into the holes located on the rear of the instrument.

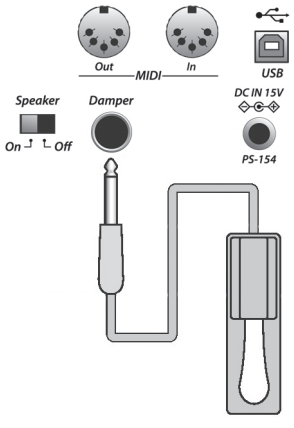
- Take care not to scratch the rear of the main unit.
- Avoid applying excessive force when attaching and removing detaching the music rack.



Connecting the Foot Pedal

Connect foot pedal, included with the EZP3, to the **Damper** pedal jack.

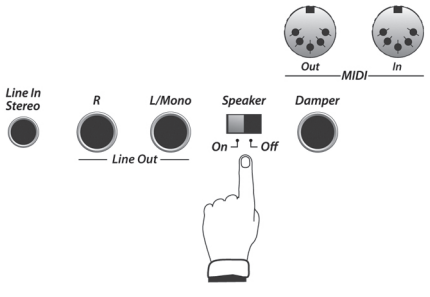
The foot pedal functions as a piano damper pedal, sustaining sound after keys played are released. The pedal also responds to half pedaling, which is continuous damper effect relating to foot pressure. (rather than just an on/off pedal condition).



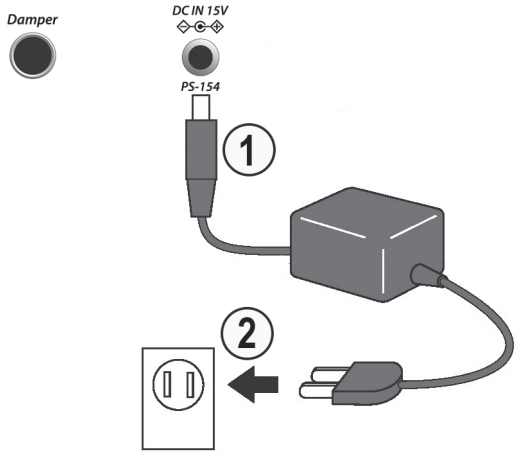
Turning the Speakers On and Off

The **Speaker** switch, located on the back of the instrument, turns the EZP3 speaker output on or off.
ON = Sound is output from the EZP3 speakers.
OFF = EZP3 speakers are muted / no sound output.
The Off position is useful when using external speakers or an amplification system connected to the **Line Out** jacks.

*Connecting headphones to either headphone jack, located on the front of the instrument, mutes speaker output, regardless of the **Speaker** switch position.*



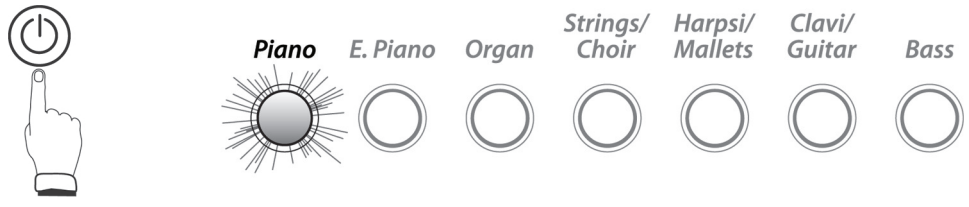
Basic Operation



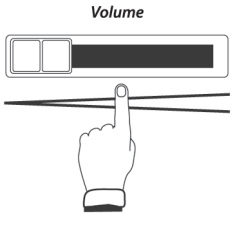
1. Connect the **AC** power cable to the **DC IN** jack on the back of the instrument.

2. Plug the **AC** power cable into an AC wall outlet.

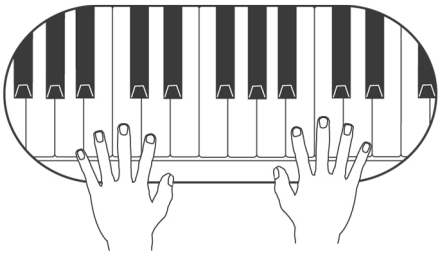
3. Press the **Power** button to turn on the power. The **Piano** button will light and the **Grand Piano** sound will be selected.



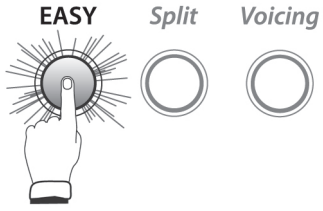
4. Adjust the volume level using the **Volume** slider.
   The VOLUME slider controls the volume of the EZP3 speakers and connected headphones.
   Move the slider to the right to increase volume.
   Move the slider to the left to decrease volume.
   Set the volume to a comfortable listening level.
   The middle is often a good starting point.



5. Play the piano. The sound of a Concert Grand piano will be heard.

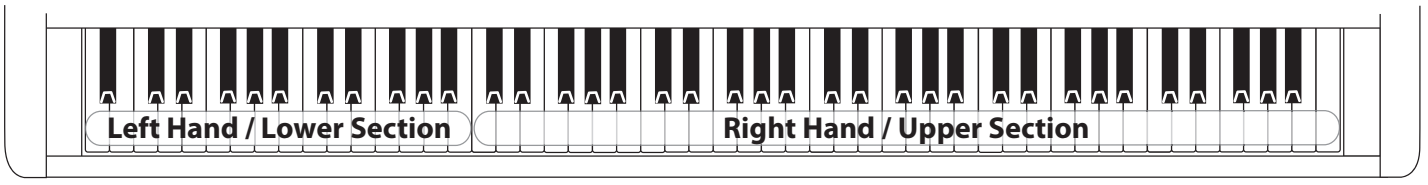


EASY Piano Operation



Press the **EASY** button to activate **MCS**-Lowrey's easy play feature for left hand chords.

With the **Easy** button lighted the keyboard splits into two sections: Lower and Upper.



With **MCS** active play left hand **Easy Piano** accompaniment chords to the left of the keyboard split.

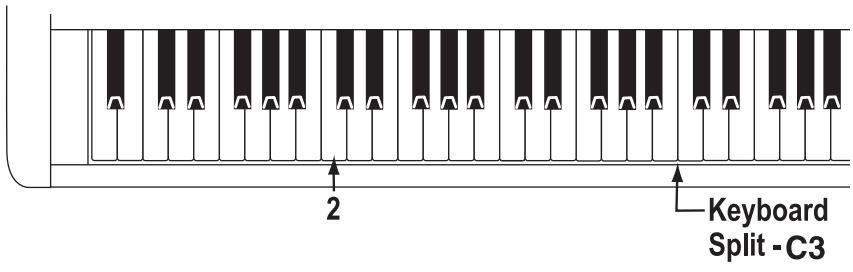
- Major chords can be played with one finger.
- Minor and seventh chords can be played with just two fingers.
- Both **MCS** and conventionally formed chords are recognized. With the **EASY** button lighted play either chord method, or a combination of the two.
- The chord chart on page 49 lists other **MCS** chords.

Play right hand/melody notes to the right of the keyboard split. *See page 18 to move the split location.*

Major Chord

Play any major chord with the conventional three notes or a single note.
The one note major chord **MCS** formula is: **Chord letter name = major chord.**

For example, to play a **C Major** chord using **MCS** play the second **C** note in the left hand/lower section of the keyboard.

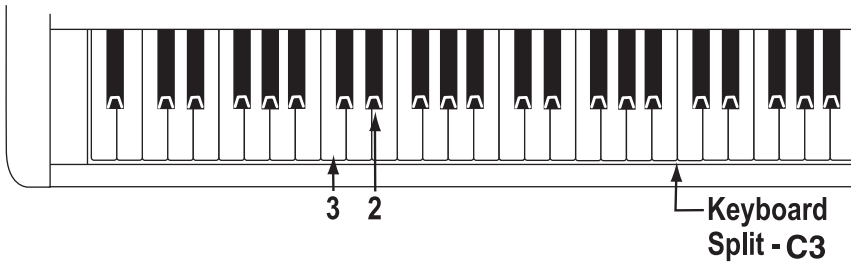


The chord name being played will appear in the display.

Minor Chord

Play any minor chord with the conventional three notes or with two notes.
The two note minor chord **MCS** formula is: **Chord letter name + three notes up = minor chord.**

To play a **C minor (Cm)** chord using **MCS** play the black **E♭** note to the right of **C**. Play both notes at the same time.

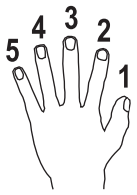


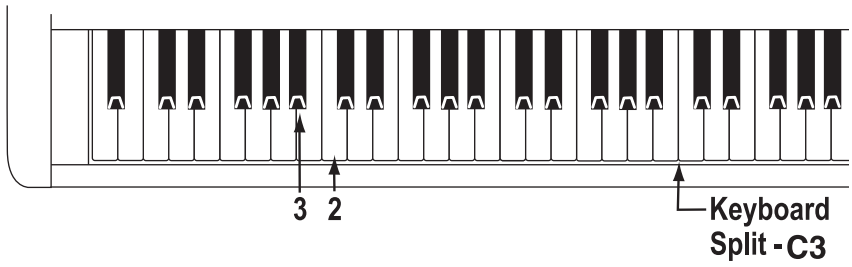
The minus symbol shown after the chord name indicates the chord being played is a minor chord.

Seventh Chord

Play any seventh chord with the conventional four notes or with two notes.
The two note seventh chord **MCS** formula is: **Chord letter name + three notes down = 7th chord.**

To play a **C seventh (C7)** chord using **MCS** play the black **B♭** note to the left of **C**. Play both notes at the same time.





The number '7' shown after the chord name indicates the chord being played is a seventh chord.

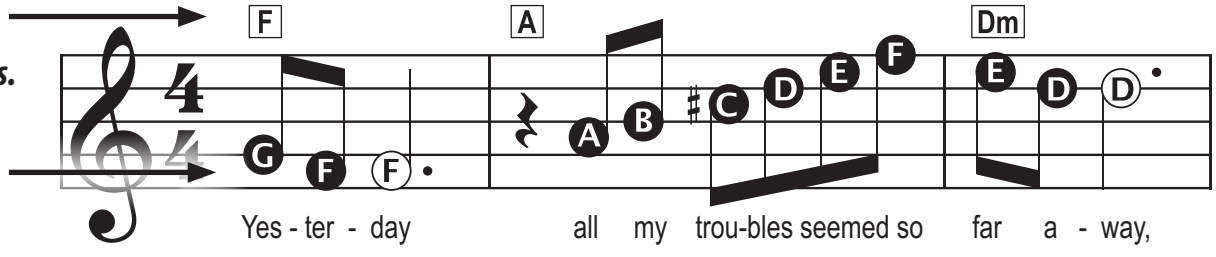
• Chord names and chord symbols as shown in the display are illustrated on page 50.

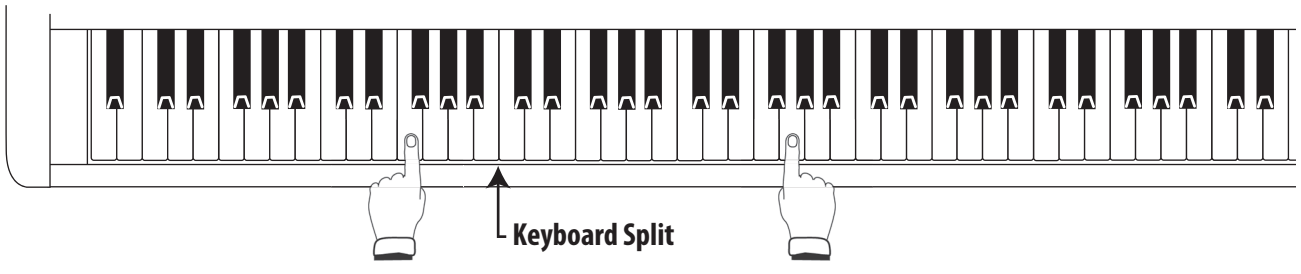
To select a different sound for the Lower section of the keyboard when in Split or EASY mode see page 19.

Easy Play Music

Hundreds of easy play book titles (*EZ Play Today*, by Hal Leonard Publishing) and Lowrey's learn to play series, *Lowrey Magic* utilize the easy notation shown here. Play left hand accompaniment chords, shown in the boxes above the notes, while playing the right hand/melody notes.

Left hand plays the boxed chords. Right hand plays the melody notes.





Playing the EZP3

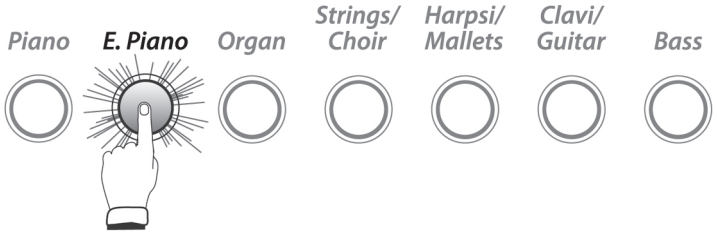
Selecting a Sound

Select from 21 authentic sounds from within seven instrumental categories. There are three sound variations in each category.

Button/Category	Variation	Instrument
Piano	1	Concert Grand
	2	Studio Grand
	3	Mellow Grand
E. Piano	1	Classic E.Piano
	2	Modern E.P.
	3	60's E.P.
Organ	1	Jazz Organ
	2	Drawbar Organ
	3	Church Organ
Strings/Choir	1	Slow Strings
	2	String Ensemble
	3	Choir

Button/Category	Variation	Instrument
Harpsi/Mallets	1	Harpsichord
	2	Vibraphone
	3	Marimba
Clavi/Guitar	1	Clavi
	2	Steel Guitar
	3	Nylon Acoustic
Bass	1	Wood Bass
	2	Electric Bass
	3	W. Bass & Ride

For example, press the **E. Piano** button.

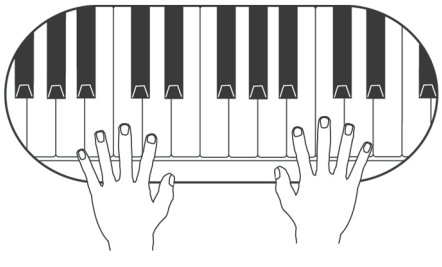


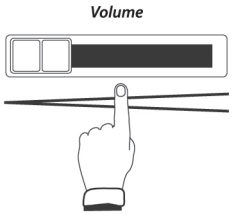
The button will light and the number '**1**' will appear in the display, indicating the **Classic E. Piano** sound is selected.

- Press the lighted **E. Piano** button again. The number '**2**' will appear in the display, indicating the **Modern E.P.** sound is selected.
- Press the lighted **E. Piano** button a third time. The number '**3**' will appear in the display, indicating the **60's E.P.** sound is selected.

Pressing the lighted sound button scrolls through the three sounds within that category.

Play the piano and hear the sound you have selected. Adjust the volume as needed.





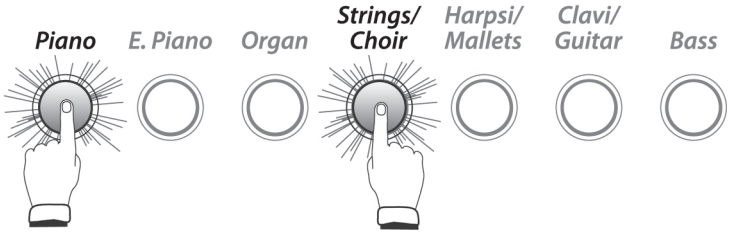
Dual Sounds

The **Dual** sounds feature allows two sounds to be layered together, creating a more complex sound.

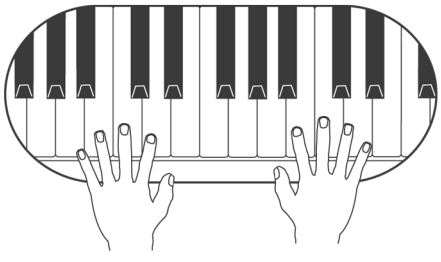
The EZP3 is capable of playing up to 96 notes simultaneously (96 note polyphony). When playing in DUAL mode, or when playing a stereo piano sound, the polyphony will be reduced by half due to the number of sounds being produced for each note.

For example, a piano can be layered with strings/choir.

1. Press both the **Piano** and the **Strings/ Choir** buttons at the same time. Both will light, indicating both sounds are selected and the **Dual** sound feature is active.

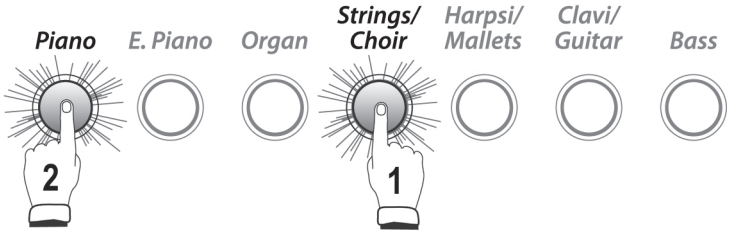


The sound variation numbers will be shown in the display. The left number represents the primary sound, the right number the secondary sound.



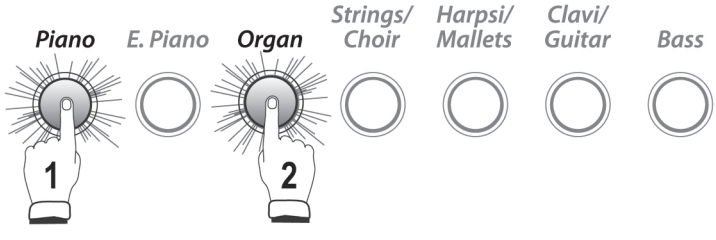
2. Play the piano. The sounds of a Concert Grand Piano and Strings/Choir will be heard.

3. Press and hold the **Strings/Choir** button.
Press and release the **Piano** button.
Release the **Strings/Choir** button.



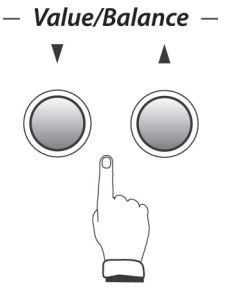
The sound variation numbers 2 - 1 will be shown in the display, indicating the primary sound is now **Studio Grand**.

4. Press and hold the **Piano** button.
Press the **Organ** button three times.
Release the **Piano** button.



The sound variation numbers 2 - 3 will be shown in the display, indicating the secondary sound is now **Church Organ**.

To combine two sounds from the same button...
- Select the primary sound.
- Press and hold that same sound button.
- Press the ▼ or ▲ ***Value/Balance*** *buttons to select the secondary sound.*



5. Press the ▼ or ▲ **Value/Balance** buttons to adjust the volume balance between the two sounds.

The volume balance between the primary and secondary sounds will be displayed.

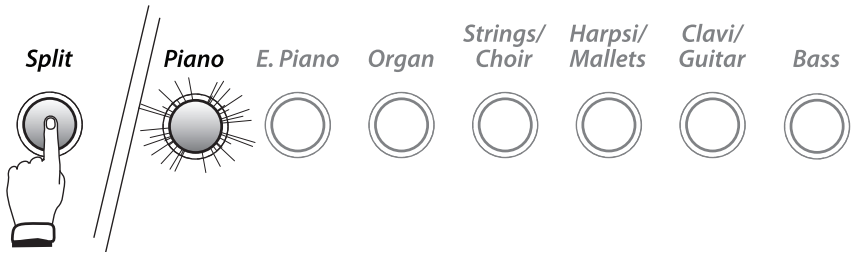
The sum of the primary and secondary volumes will always be 10. Higher numbers indicate greater volume.

6. Press any single Sound button to deactivate **Dual Sounds**.

Split Keyboard

The **Split** function divides the keyboard into Upper and Lower sections, allowing each to be played with a different sound.

1. Press the **Split** button. The button will light indicating the **Split** is activate.



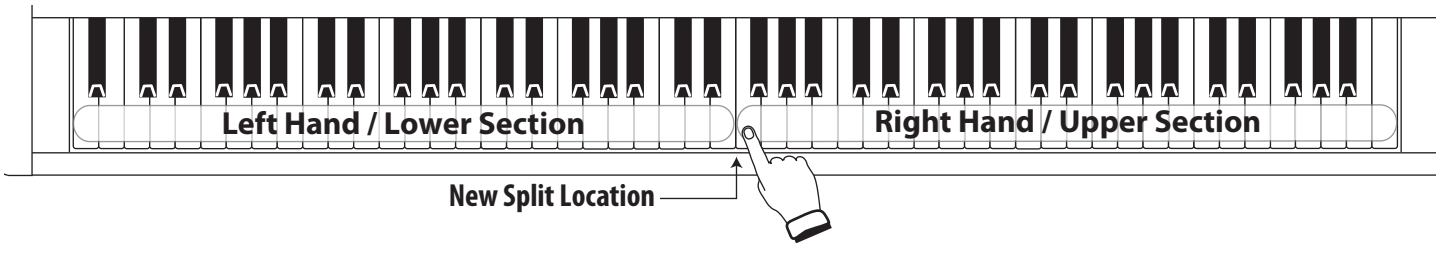
The Piano 1 sound (concert Grand) is the Upper section sound. Additionally, the flashing **Piano** button indicates it to also be the Lower section sound.

The selected sound variation numbers will be shown in the display. The left number represents the Lower section, the right number represents the Upper section.

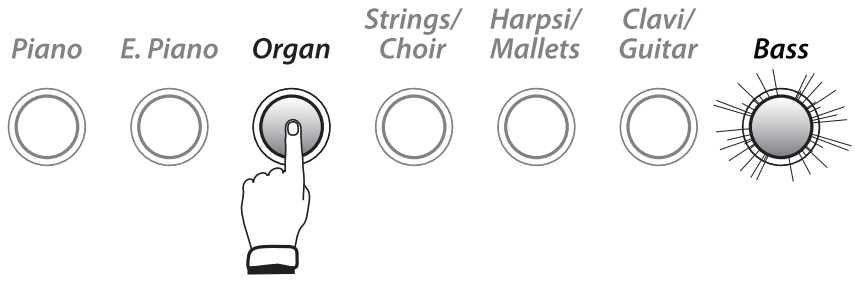
2. Play the piano. The Concert Grand sound will be heard in the Upper/Lower sections.

The number of keys used for the Upper and Lower sections can be adjusted by changing the Split Point. ***The default Split Point setting is the third C key from the left (C3).***

3. Press and hold the **Split** button. While holding the **Split** button press the key on the keyboard where you desire the **Split Point** to be located.



- The name of the key pressed will appear in the display, confirming the new location of the **Split Point**.
- Any changes made to the **Split Point** will remain until the power is turned off.
- The **Split Point** will return to **C3** when the power is turned on.
- Use **Memory Backup** to store a preferred **Split Point** setting. See page 48.

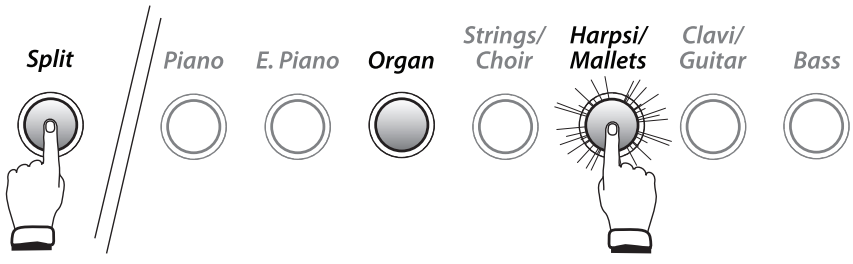


4. Press **Organ** three times. The button will light.

'**1-3**' will be shown in the display, indicating the Upper section sound has been changed to **Church Organ**.

Selecting a different sound for the Lower section of the keyboard

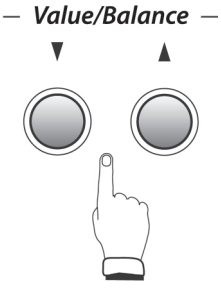
5. Press and hold the **Split** button. While holding the **Split** button press the **Harpsi/Mallets** button twice. **Harpsi/Mallets** will flash.



'**2-3**' will be shown in the display, indicating that the Lower section sound has been changed to **Vibraphone**.

Press other sound buttons in this fashion to assign other sounds to the lower section.

6. Press the ▼ or ▲ **Value/Balance** buttons to adjust the volume balance between the Upper and Lower sections.



The current volume balance between the Upper and Lower sections will be illustrated in the display.

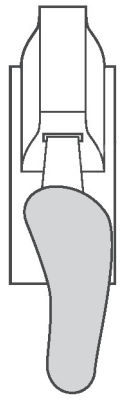
- *The sum of the Upper and Lower sections volume balances will always total 10 with larger values producing greater volume.*

7. Press the **Split** button to deactivate the function. The button will turn off.

- When **Split** is activate, the **Lower Octave Shift** function can be used to adjust the octave range for the Lower. See Page 38.
- The influence of the **Damper Pedal** over the Lower section can also be turned on and off. See page 47.

Four Hands Feature

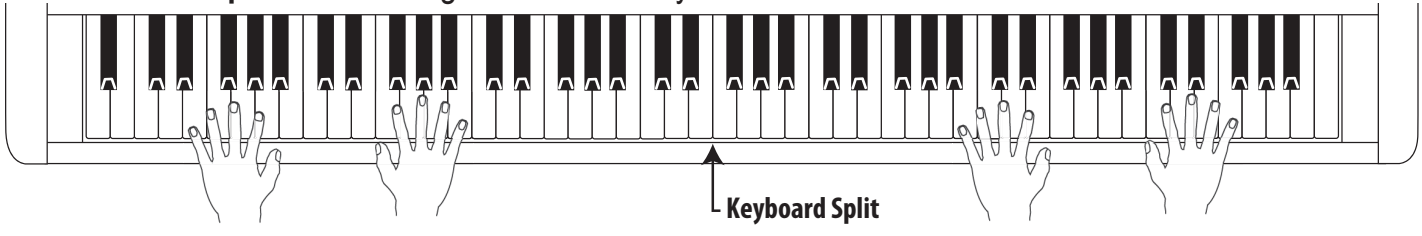
The **Four Hands** feature divides the keyboard into separate Upper and Lower sections in much the same way as **Split Keyboard**. Additionally, the octave/pitch of each section is adjusted, allowing two people to play the piano together.



1. Press and hold the **Split** button. While holding Split press the **Damper Pedal**. *Release Split and Damper.*
The **Split** button will flash, indicating that the **Four Hands** is activate.
- The Upper section sound button will light
- The Lower section sound button will flash.
- The selected sound variation numbers will be shown in the display.
- The left number represents the Lower section, the right number the Upper.

2. Play the piano.
With **Four Hands** activated, the sounds in the Upper section are transposed two octaves down from the original pitch, while sounds from the Lower section are transposed two octaves up from the original pitch, allowing two people to play within the same key range.

The number of keys used for the Upper and Lower sections can be freely adjusted by changing the Split Point.
- The default **Split Point** setting is the third F key: **F3**.



- When **Four Hands** is activated, the Lower Octave Shift function can be used to adjust the octave range for the Lower section. Please refer to the instructions on page 37 for more information.
- The Foot Pedal functions as a damper pedal for the Upper section only.

3. Press sound selection buttons to adjust the Upper and Lower sounds.

4. Press and hold the **Split** button. While holding Split press a key on the keyboard to relocate the Split Point. *Release Split and the Key.*
The **Four Hands Split Point** will not affect the full keyboard Split Point.

5. Press the **Split** button again to deactivate **Four Hands**. The Split button will turn off.

Reverb, Effects, and EQ

Modify sounds by adding reverb, applying effects, and adjusting equalization (EQ).

When selecting some sounds, the **Effects** or **Reverb** buttons may turn on automatically due them being preset with these features to further enhance tonal quality and acoustic authenticity.

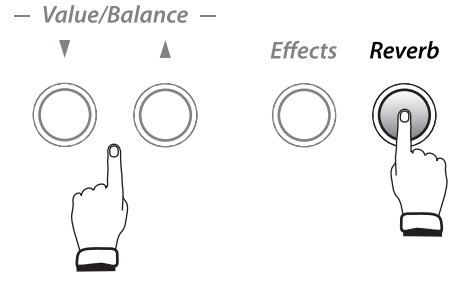
Reverb

Reverb adds depth and resonance to the sound, simulating the acoustic environment of a recital room, stage, or concert hall.

There are five types of reverb from which to chose:

Reverb Type	*Description*
Room1	The ambiance of a living room or small rehearsal room.
Room 2	A room larger than that in Room 1.
Stage	The ambiance of a small hall or live stage.
Hall 1	The ambiance of a concert hall or theatre.
Hall 2	A hall larger than that in Hall 2.

1. Press and hold the **Reverb** button. While holding Reverb press the ▼ or ▲ **Value/Balance** buttons to select the desired reverb type. Release both when the desired Reverb type is shown in the display.



The active reverb type will be shown in the display.

2. Press the **Reverb** button again to turn the feature off.

Pressing **Reverb** once again reactivates the feature to the previous reverb setting.

- Reverb settings are specific to each individual sound.

- Changes made to the reverb type or on/off status remain until the power is turned off.

- Reverb settings return to the default when the power is turned off.

- It is possible to store preferred effects settings at power on/off. See page 48, Memory Backup.

Effects

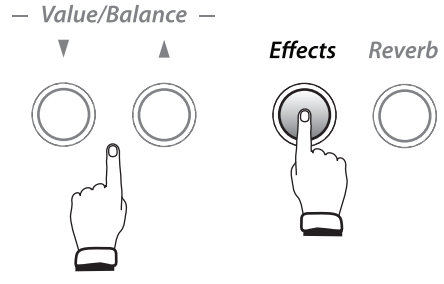
Effects add motion, tone and resonance to sounds.

There are five effect types from which to choose:

Effect Type	*Description*
Chorus	Creates the rich character of vocals or strings by layering the sound.
Delay	Adds depth and resonance to the sound.
Tremolo	Adds vibrato to the sound.
Rotary 1	Recreates the sound of a mechanical rotating speaking.
Rotary 2	Rotary 1 Effect with distortion added.

- Select between 'Slow' and 'Fast' **Rotary 1** and **Rotary 2** rotary speaker speeds by pressing the ▼ and ▲ **Value/Balance** buttons.

1. Press and hold the **Effects** button. While holding Effects press the ▼ or ▲ **Value/Balance** buttons to select the desired effect type. Release both when the desired effect is shown in the display.



The active effect type will be shown in the display.

2. Press the **Effects** button to turn the feature off.

Pressing **Effects** once again will reactivate the feature to the previous effects setting.

- Effects settings are specific to each individual sound.

- Changes made to the effect type or on/off status will remain until the power is turned off.

- Effects settings return to the default when the power is turned off.

- It is possible to store preferred effects settings at power on. See page 48, Memory Backup.

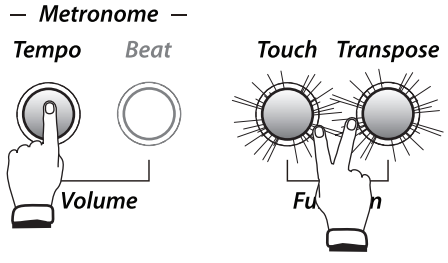
Line Out EQ

EQ (Equalization) is a feature that adjusts the tonal character of the sound.
There are two settings for the **EQ** feature: On or Off.

Off - Recommended for normal playing circumstances, such as in a living room or classroom.
With headphones connected, the normal sound of the piano is reproduced.

On - Recommended when connected to external speakers, or when recording.
With headphones connected, the normal sound of the piano is reproduced (same as Off).

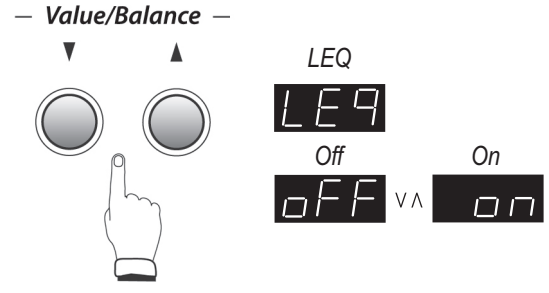
1. Press and hold the **Touch** and **Transpose** buttons. While holding Touch and Transpose, press the **Tempo** button. Release the buttons.



Touch, **Transpose**, and **Tempo** will start to flash, indicating that the **EQ** function has been selected.

LEQ (Line out EQ) and the current settings will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to select the desired EQ setting.



3. Press the **Tempo** button to exit **EQ**. Touch, Transpose and Tempo will stop flashing.

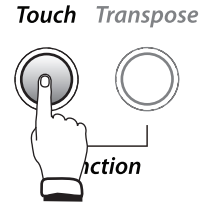
- ***EQ*** *settings are global for all the sounds. Individual settings for each sound is not possible.*
- *Changes made to the* ***EQ*** *mode will remain until the power is turned off.*
- **EQ** *settings return to the default (Off) when power is turned off.*
- *It is possible to store preferred* **EQ** *settings. See page 48, Memory Backup.*

Touch Curve

Select among five additional keyboard touch settings other than the standard touch.

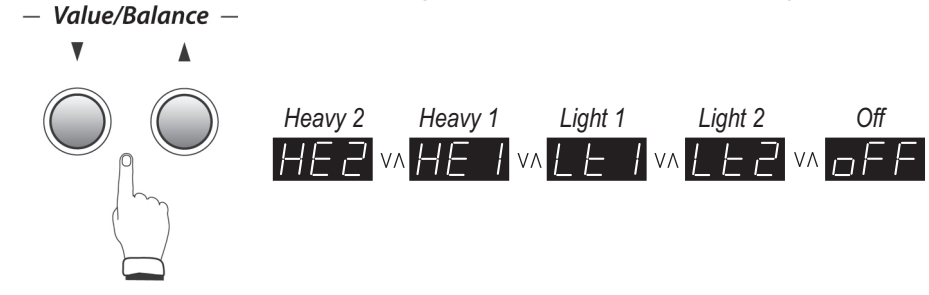
Touch Setting	*Description*
Light 2	For players with a delicate touch. Requires less striking force to achieve a loud volume.
Light 1	For those developing finger strength. A louder volume is produced even when playing with a soft touch.
Normal	Standard acoustic piano touch sensitivity.
Heavy 1	For those with strong fingers. Requires a heavier touch to produce a loud volume.
Heavy 2	Requires more striking force to achieve a loud volume.
Off	A constant volume is produced regardless of how hard the keys are struck. This setting is suitable for sounds that have a fixed dynamic range such as Organ and Harpsichord.

1. When the **Touch** button is off, the touch setting is Normal-standard acoustic piano touch.



When the **Touch** button is on, a different touch type is being used.

2. Press and hold the **Touch** button. While holding Touch press the ▼ or ▲ **Value/Balance** buttons to select the desired Touch setting. When the desired setting is shown in the display release Touch.



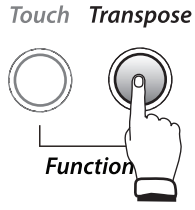
3. Press **Touch** again(off) to return to the standard (Normal) touch setting.

- The touch setting is global for all of the sounds. Individual touch settings for each sound is not possible.
- Changes made to the touch setting will remain until the power is turned off.
- The Touch setting returns to 'Normal when the power is turned off.
- It is possible to store a preferred Touch setting for power on. See page 48, Memory Backup.
- **Note:** *Light and Heavy refers to the type of touch that affects the sensitivity of the keys, which determines the volume level.*

Transpose

The **Transpose** function allows the audible pitch of the piano to be raised or lowered in half steps. This is useful when accompanying instruments with different tones, or when a song learned in one key must be played in another. The transpose feature allows the song to be played in the original key, but heard in another key.

1. Press and hold the **Transpose** button. While holding Transpose press the ▼ or ▲ **Value/Balance** buttons to specify the desired transposition value.

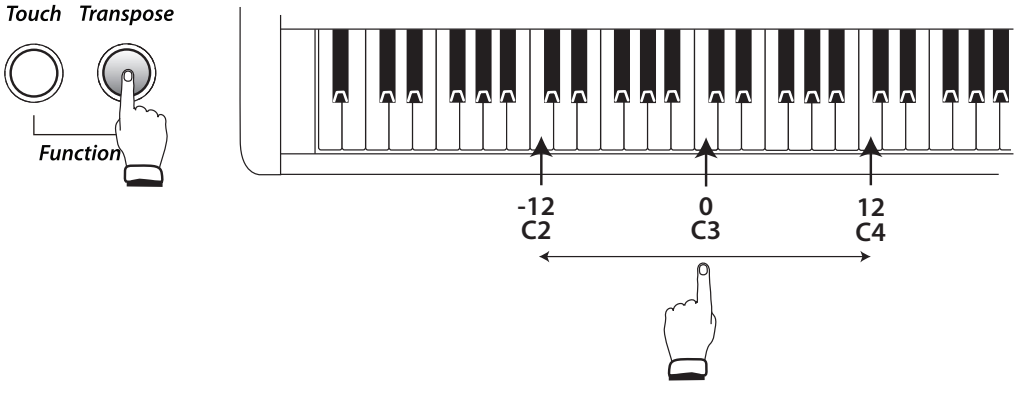


The **Transpose** button will turn on, indicating that the transpose function has been activated.

The current transpose setting will be shown in the display.

The pitch can be transposed by up to 12 halftones higher or 12 halftones lower.

The desired **Transpose** value may also be set using the keyboard.
- Press and hold the **Transpose** button.
- While holding Transpose press and release a key located from the second C key (C2) through the fourth C key (C4) to set the desired transpose value.
- Release **Transpose**. The setting will be shown in the display.



2. Press **Transpose** again to turn the feature off.

Pressing **Transpose** once again will reactivate the feature to the previous transpose setting.

- Transpose is active when the button is on. Notes played will be transposed to the set value.
  - For example, when the transpose setting is '-3' notes played will be transposed 3 half steps lower.
  - When the button is turned off the setting will return to '0' (no transposition).
  - When the transpose value is set to '0', the transpose button will be off.
- Changes made to the transpose value will remain until the power is turned off.
- When the power is turned off, the transpose value will return to the default setting of '0'.
- It is possible to store a preferred Transpose setting for power on. See page 48, Memory Backup.

Voicing

Voicing is a piano technician's method of adjusting the character of an acoustic piano's sound. The Voicing feature allows this tonal adjustment to be made on the EZP3.
There are four settings from which to choose.

Voicing Type	*Description*
Normal	The typical tonal character of an acoustic piano. This is the default setting.
Mellow	A softer tonal character.
Dynamic	The tonal character will change dramatically from mellow to bright, depending on how soft or hard the piano is played.
Bright	A brighter tonal character than Normal or Mellow.

1. Press the **Voicing** button.

Voicing

The button will turn on, indicating that a different voicing type is being used.

2. Press and hold the **Voicing** button. While holding Voicing press the ▼ or ▲ **Value/Balance** buttons to select the desired setting.

The current voicing type will be shown in the display.

Mellow *Dynamic* *Bright*

3. Press Voicing again (off) to return to the standard (Normal) voicing setting.

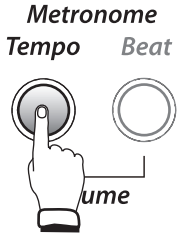
- The voicing setting is global for all of the sounds. Individual voicing settings for each sound is not possible.
- Changes made to the voicing setting will remain until the power is turned off.
- When the power is turned off, the voicing setting will return to the default type of 'Normal'.
- It is possible to store a preferred Voicing type for power on. See page 48, Memory Backup.
- **Note:** *While voicing is a technique used for optimizing the tone of an acoustic piano, this feature can be used on all the EZP3 sounds.*

Metronome

Rhythm is one of the most important elements of music. Playing at the correct tempo and with a steady rhythm is important. The metronome feature provides a steady beat with which to practice/play along.

Starting The Metronome

1. Press the **Tempo** button.



The button will turn on, and the metronome will begin sounding a 4/4 beat.
The metronome tempo in beats per minute (BPM) will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to adjust the metronome tempo to the desired value.

The metronome tempo can be set within the range of 30-300 beats per minute.

3. Press **Tempo** again to turn off the metronome.

- Changes made to the metronome tempo will remain until the power is turned off, at which time the metronome tempo will return to the default setting of '100' (100 BPM).

- It is possible to store a preferred Metronome Tempo for power on. See page 48, Memory Backup.

Changing The Metronome Time Signature

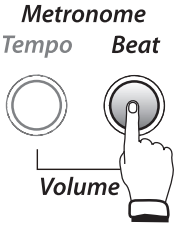
The metronome produces two types of click sounds with a bell sound indicating the first beat of a bar - this is a 4-beat, or 4/4 time signature.

There are seven different types of time signature from which to choose:

1/4, **2/4**, **3/4**, **4/4**, **5/4**, **3/8**, and **6/8**.

There are also 30 drum rhythms available. See page 53 for a listing.

1. Press the **Beat** button.



The button will turn on and the metronome will begin sounding a 4/4 beat.
The metronome time signature will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to select the desired time signature.

1/4 2/4 3/4 4/4 5/4 3/8 6/8 Rhythm 1 Rhythm 30

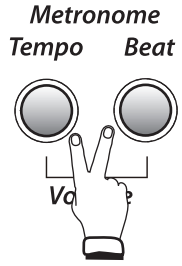
3. Press the **Beat** button again to turn off the metronome.

- Changes made to the metronome time signature setting will remain until the power is turned off, at which time the metronome time signature will return to the default setting of '4/4'.

- It is possible to store a preferred Metronome Time Signature for power on. See page 48, Memory Backup.

Adjusting the Metronome Volume

1. Press the **Tempo** and **Beat** buttons simultaneously.



Both buttons will turn on and the metronome will begin counting with the previously selected time signature. The metronome volume will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to set the metronome volume to a desired level.

The metronome volume can be set within the range of 1 (soft) to 10 (loud).

3. Press the **Tempo** and **Beat** buttons simultaneously again to turn off the metronome.

- Changes made to the metronome volume will remain until the power is turned off, at which time the metronome volume will return to the default setting of '5'.

- It is possible to store a preferred Metronome Volume for power on. See page 48, Memory Backup.

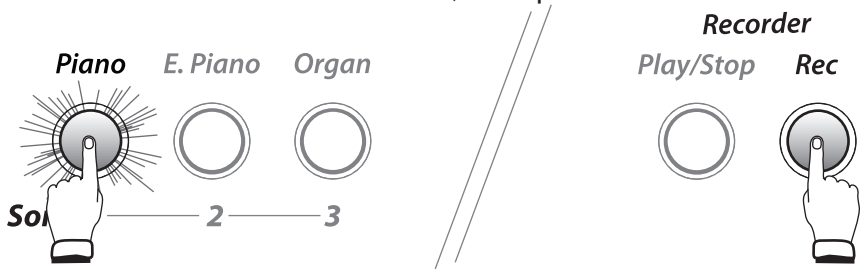
Song Recorder

The EZP3 is capable of having up to three different songs recorded, stored in memory, and played back at the touch of a button.

Recording A Song

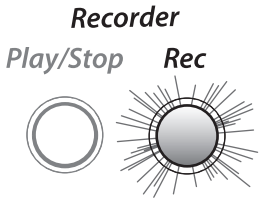
In this example the **Song 1** memory will be used for recording.

1. Press and hold the **Rec** button, then press the **Piano** button to select **Song 1**.



While holding the **Rec** button the **Piano** button starts to flash, indicating that **Song 1** is selected for recording.

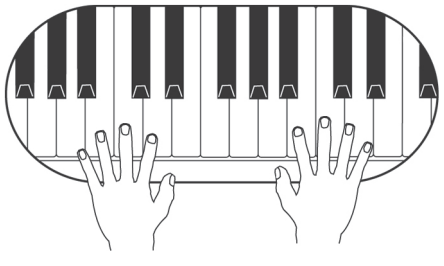
2. Release the **Rec** button.



The **Piano** button will stop flashing and the **Rec** button will start to flash. This is the standby status for recording.

The **Sound Selection** button will also turn on, indicating that the sound to be used for recording can be changed.

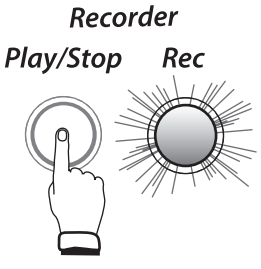
3. Play the piano.



The recorder will automatically start recording with the first note played.

The **Play/Stop** and **Rec** buttons will turn on.

Any changes made to the sound while recording will also be recorded.



The recording can also be started by pressing the **Play/Stop** button instead of pressing a key (allowing a blank bar or 'up beat' to be inserted at the beginning of a song).

4. Press the **Play/Stop** button to stop recording.

- The **Play/Stop** and **Rec** buttons will flash briefly as the newly recorded song is saved to memory.
- Saving may take a few moments. During this time, the EZP3 digital piano will not respond to any other operations.

- To record **Song 1** again, simply repeat the above procedure. The new recording will completely erase the previous recording.
- To record in the **Song 2** or **Song 3** buttons repeat the recording procedures and replace the **Song 1** button with the **Song 2** or **Song 3** button.

The total recording memory capacity of the EZP3 is approximately 15,000 notes, with button and pedal presses also counted as one note. When the maximum capacity is reached, recording will stop and all music recorded up until that point will be saved to memory automatically.

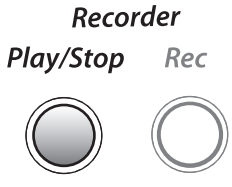
Playing Back a Song

The **Play/Stop** button is used to start and stop playback of recorded songs.
In the following example, the song recorded to the **Song 1** memory will be played back.

1. Press and hold the **Play/Stop** button.
While holding Play/Stop press and release the **Piano** button to select **Song 1**.

The **Piano** button will start to flash.

2. Release the **Play/Stop** button.
Song 1 will start to play.

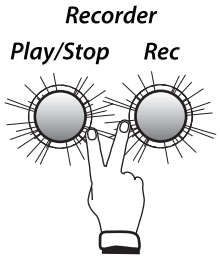


3. Press the **Play/Stop** button to stop song playback. The button will turn off, and the song will stop playing.

Erasing a Song

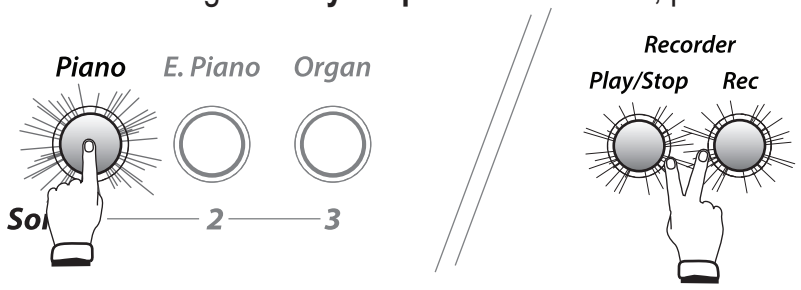
Erase any songs that are no longer wanted. In the following example **Song 1** will be erased.

1. Press and hold the **Play/Stop** and **Rec** buttons.



The **Sound Selection** buttons will turn on to indicate which song buttons (**Song 1**-**Song 3**) have been recorded to.

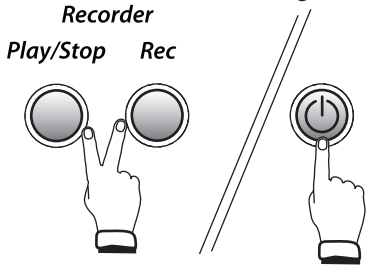
2. While holding the **Play/Stop** and **Rec** buttons, press and release the **Piano** button to erase **Song 1**.



Release the **Play/Stop** and **Rec** buttons. **Song 1** is erased.
Repeat the steps using the **Song 2** or **Song 3** button to erase those songs.

Erasing All Songs

To erase all songs from memory at once press and hold the **Play/Stop** and **Rec** buttons while turning on the power.



Function Settings

The function settings, listed here, control advanced features found on the EZP3.

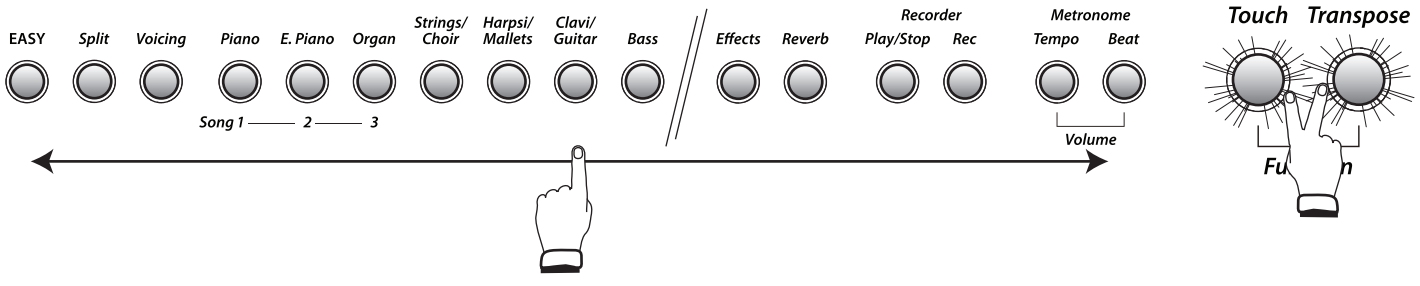
Menu Button	Function
Easy	Brilliance*
Split	Tuning*
Voicing	Damper Effect*
Piano	String Resonance*
E. Piano	Temperament*
Organ	Lower Octave Shift*
Strings/Choir	Damper Hold On/Off*
Harpsi/Mallets	MIDI Channel*

Menu Button	Function
Clavi/Guitar	Sending Program Change Numbers
Bass	Local Control On/Off*
Effects	Transmit Program Change On/Off*
Reverb	Multi-Timbral Mode*
Play/Stop	Channel Mute*
Rec	Lower Pedal On/Off*
Tempo	Line Out EQ*
Beat	Memory Backup

* Function settings can be stored using the Memory Backup function. See page 48.

Selecting & Adjusting a Function

1. Press and hold **Touch** and **Transpose** buttons. While holding Touch and Transpose press and release one of the **Menu** buttons.



The Menu button pressed will start to flash, indicating that the function has been selected. An abbreviation of the function name and the current settings will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to adjust the function's settings.

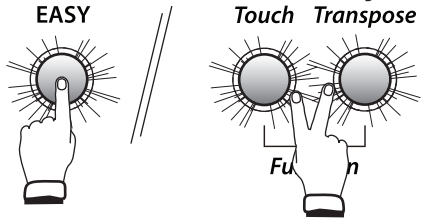
3. Press the **Touch** or **Transpose** button to exit the function. The buttons will stop flashing.

- Any changes made to a function's settings will remain until the power is turned off.
- When the power is turned off the function's setting will return to the default.
- It is possible to store a preferred function setting for power on. See page 48, Memory Backup.

Brilliance

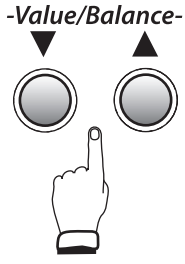
Adjust the sound of the EZP3 to be brighter or mellower.

1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Easy** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the Brilliance function has been selected.
The name of the function 'bri' (Brilliance) and the current settings will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to increase or decrease the **Brilliance** level to the desired value.



The Brilliance value can be set within the range of -10 to +10.
Positive values produce a brighter tone, while negative values produce a more mellow tone.

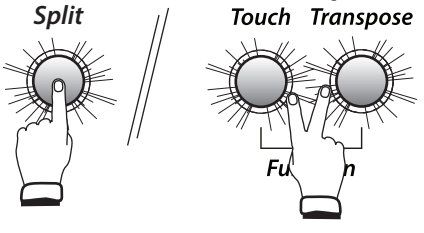
3. Press the **Touch** or **Transpose** button to exit Brilliance setting mode.
The buttons will stop flashing.

- *Any changes made to the Brilliance setting will remain until the power is turned off.*
- *When the power is turned off, the Brilliance setting will return to the default value of '0'.*
- *It is possible to store a preferred Brilliance setting for power on.* *See page 48, Memory Backup.*

Tuning

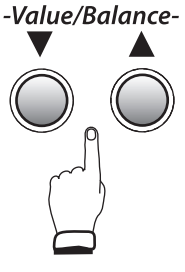
Finely adjust the pitch of the EZP3 using the **Tuning** function. It may prove useful when playing along with other instruments.

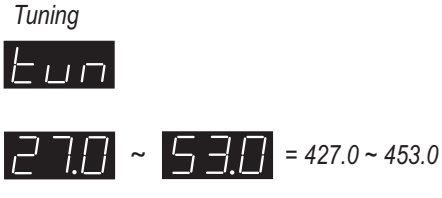
1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Split** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the Tuning function has been selected.
The name of the function 'tun' (Tuning) and a number representing the pitch for 'A3' in Hz (Hertz) will be shown in the display.
A test tuning tone will also be played.

2. Press the ▼ or ▲ **Value/Balance** buttons to increase or decrease **Tuning** to the desired pitch.





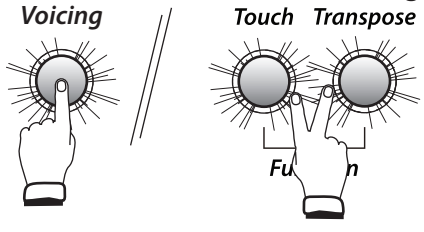
The tuning pitch can be set within the range from 427.0 to 453.0 Hz (displayed as '27.0' and '53.0').
The tuning pitch will increase or decrease in 0.5 Hz increments each time one of the VALUE/BALANCE buttons is pressed.

3. Press the **Touch** or **Transpose** button to exit Tuning setting mode. The buttons will stop flashing.
While adjusting the tuning settings, the currently select sound will be heard when pressing a key on the keyboard.
To use a different sound while adjusting the Tuning settings, first exit the tuning mode, select the desired sound, then repeat Step 1 and Step 2.
- Any changes made to the Tuning setting will remain until the power is turned off.
- When the power is turned off, the Tuning setting will return to the default value of '44.0'.
- It is possible to store a preferred tuning value for power on. *See page 48, Memory Backup.*

Damper Effect

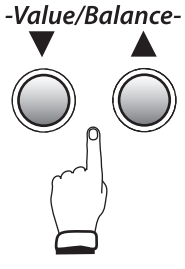
When the damper pedal is depressed on an acoustic piano, all dampers are lifted up, allowing the strings to vibrate freely. When a note or chord is played on the piano with the damper pedal depressed, not only will the strings of the notes played vibrate, but also the strings of other notes, vibrating in sympathetic resonance. The Damper Effect function of the EZP3 simulates this phenomenon.

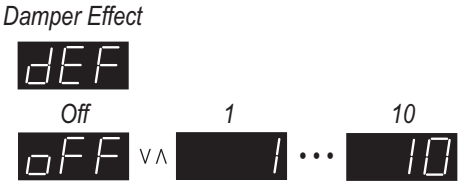
1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Voicing** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the Damper Effect function has been selected.
The name of the function 'dEF' (Damper Effect) and the current settings will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to increase or decrease the **Damper Effect** level to the desired value.





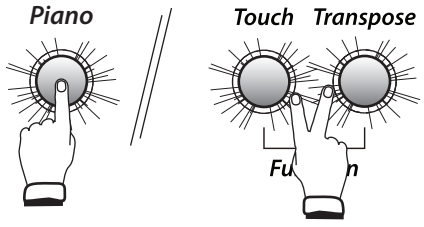
The Damper Effect value can be set within the range of 1 to 10. Setting the Damper Effect to 'Off' will disable the function entirely.
A Damper Effect value of '1' produces a very subtle effect, while the maximum level of '10' creates a stronger, more pronounced resonance.

3. Press the **Touch** or **Transpose** button to exit Damper Effect setting mode.
The buttons will stop flashing.
- Any changes made to the Damper Effect setting will remain until the power is turned off.
- When the power is turned off, the Damper Effect setting will return to the default value of '5'.
- It is possible to store a preferred Damper Effect value for power on. *See page 48, Memory Backup.*

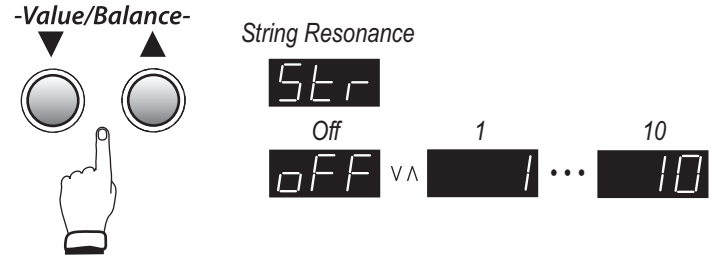
String Resonance

String Resonance is an acoustic piano characteristic in which the strings of held notes resonate 'sympathetically' with other notes of the same harmonic series. The String Resonance function of the EZP3 simulates this phenomenon.

1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Piano** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the String Resonance function has been selected.
The name of the function 'Str' (String Resonance) and the current settings will be shown in the display.



2. Press the ▼ or ▲ **Value/Balance** buttons to increase or decrease the **String Resonance** level to the desired value.

The String Resonance value can be set within the range of 1 to 10. Setting the String Resonance to 'Off' will disable the function entirely.
A String Resonance value of '1' produces a very subtle effect, while the maximum level of '10' creates a stronger, more pronounced resonance.

3. Press the **Touch** or **Transpose** button to exit String Resonance setting mode. The buttons will stop flashing.

- Any changes made to the String Resonance setting will remain until the power is turned off.
- When the power is turned off, the String Resonance setting will return to the default value of '5'.
- It is possible to store a preferred String Resonance value for power on.
See page 48, Memory Backup.

Temperament

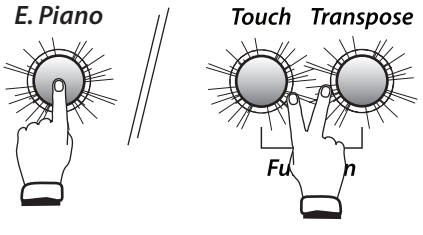
The EZP3 features a variety of musical temperaments popular during the Renaissance and Baroque periods in addition to the modern Equal Temperament, which is the standard in music today.

Brief Explanation of Temperaments

Equal Temperament (Piano Only)	This is the default temperament. If a piano sound is selected the tuning is stretched like an acoustic piano (Equal Temperament). If any other type of sound is selected the tuning will be Equal (Flat). An explanation of Equal Temperament and Equal Temperament (Flat) is provided later in this section. If a piano sound is used in a layer with any other sound, then both sounds will use the EQUAL TEMPERAMENT (stretched) tuning.
Mersenne Pure Temperament (Major) Mersenne Pure Temperament (Minor)	This temperament, which eliminates dissonances for thirds and fifths, is still popular for choral music because of its perfect harmony. Performers must be aware which key they are playing in when using this temperament. Any key modulation will result in dissonances. When playing music in a particular key, the key of the temperament must also be correctly matched. When playing in a major key select Pure (Major) and when playing in a minor key select Pure (Minor).
Pythagorean Temperament	This temperament, which uses mathematical ratios to eliminate dissonance for fifths, is very limited for use with chords, but it produces very characteristic melodic lines
Meantone Temperament	This temperament, which uses a mean between a major and minor whole tone to eliminate dissonance for thirds, was devised to eliminate the lack of consonances experienced with certain fifths for the Mersenne pure temperament. It produces chords that are more beautiful than those with the equal temperament.
Werckmeister III Temperament Kirnberger III Temperament	These two temperaments are placed in between Meantone and Pythagorean. For music with few accidentals, this temperament produces the beautiful chords of the mean tone, but as accidentals increase, the temperament produces the characteristic melodies of the Pythagorean temperament. It is used primarily for classical music written in the Baroque era to revive the original characteristics.
Equal Temperament (Flat)	This is an 'unstretched' equal temperament that divides the scale into twelve equal semitones. This produces the same chordal intervals in all twelve keys, and has the advantage of limitless modulation of the key. However the tonality of each key becomes less characteristic and no chord is in pure consonance.
Equal Temperament	This is the most popular piano temperament. The hearing ability of a human is uneven and is not as accurate with high frequency and low frequency as it is with the middle range. This temperament's tuning is stretched to compensate for this so the sound will be heard naturally to the ears. This 'stretched' equal temperament is a practical variation of the 'unstretched' equal temperament which was invented on a mathematical basis.

1. Press and hold the **Touch** and **Transpose** buttons.

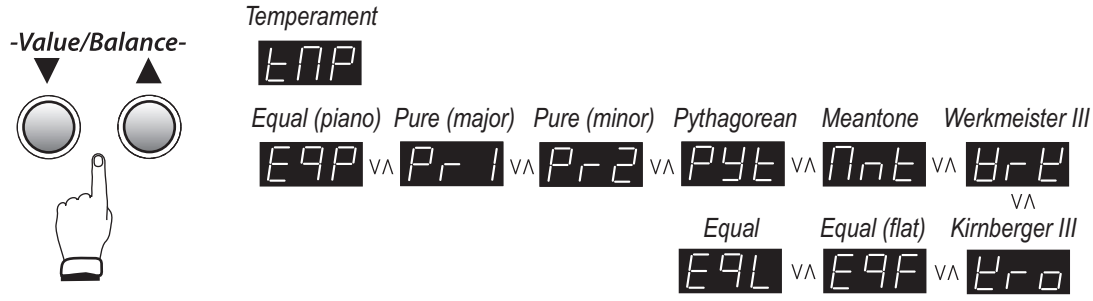
Press and release the **E. Piano** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the Temperament function has been selected.

The name of the function 'tMP' (Temperament) and the current settings will be shown in the LED display.

2. Press the ▼ or ▲ **Value/Balance** buttons to select the desired **Temperament** type.

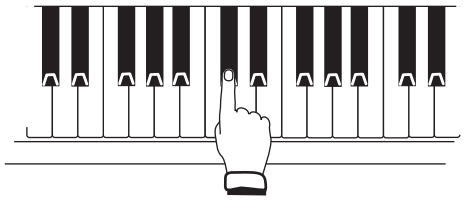


- Any changes made to the Temperament setting will remain until the power is turned off.
- When the power is turned off, the Temperament setting will return to the default type of 'Equal Temperament (piano)'.
- It is possible to store a preferred Damper Temperament type for power on.
See page 48, Memory Backup.

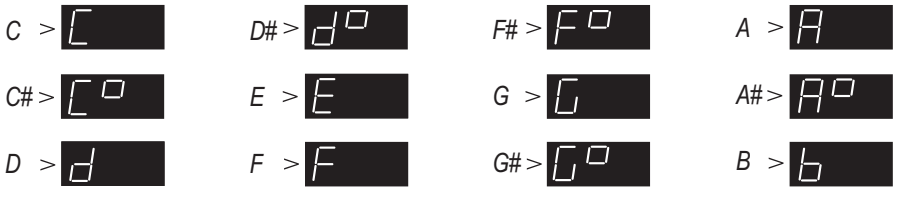
Key Signature of Temperament

Limitless modulation of the key became available only after the invention of equal temperament. When using a temperament other than equal temperament, care must be taken to choose the key signature to play in. For example, if the song to be played is written in D major, 'D' would be chosen as the temperament key.

1. While the Temperament function is selected, press one of the 88 piano keys to select the desired key signature of the temperament.



The note name of the key pressed will be shown in the display and chosen as the key signature of the temperament.



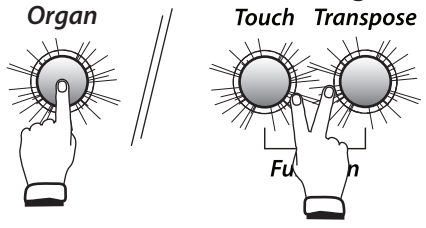
The key signature of temperament function will have no effect when equal temperament has been selected.

2. Press the **Touch** or **Transpose** button to exit Temperament setting mode.
The buttons will stop flashing.
- Any changes made to the Temperament key setting will remain until the power is turned off.
- When the power is turned off, the Temperament key setting will return to the default value of 'C'.
- It is possible to store a preferred Temperament key for power on. *See page 48, Memory Backup.*

Lower Octave Shift

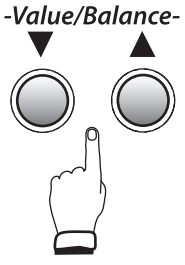
When using **Split Keyboard** mode, this function allows the Lower section to be raised by one, two, or three octaves.

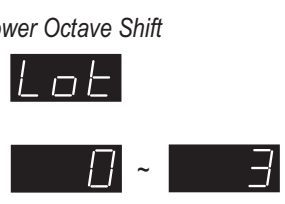
1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Organ** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the Lower Octave Shift function has been selected.
The name of the function 'Lot' (Lower Octave) and the current settings will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to increase or decrease the **Lower Octave Shift** to the desired value.
The Lower Octave Shift value can be set within the range of 0 to 3.





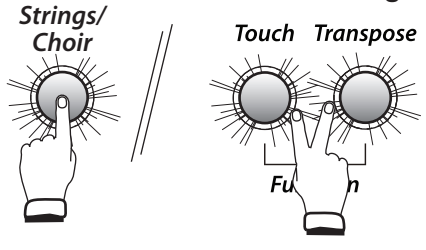
3. Press the **Touch** or **Transpose** button to exit Lower Octave Shift setting mode. The buttons will stop flashing.

- Any changes made to the Lower Octave Shift setting will remain until the power is turned off.
- When the power is turned off, the Lower Octave Shift setting will return to the default value of '0'.
- It is possible to store a preferred Lower Octave Shift value for power on.
See page 48, Memory Backup.

Damper Hold On/Off

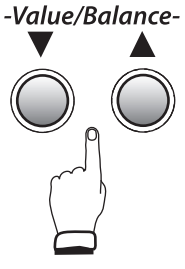
This function determines whether or not pressing the damper pedal will sustain continuous sounds, such as organ or strings, after the keys are released.

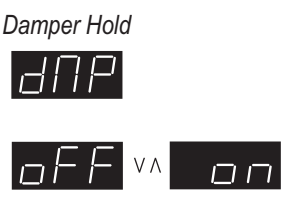
1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Strings/Choir** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the Damper Hold On/Off function has been selected.
The name of the function 'dMP' (Damper Hold) and the current settings will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to select the desired **Damper Hold** setting.





When set to 'On', pressing the damper pedal will sustain sounds after the keys are released.
When set to 'Off', pressing the damper pedal will not sustain sounds after the keys are released.

3. Press the **Touch** or **Transpose** button to exit Damper Hold On/Off setting mode. The buttons will stop flashing.

- Any changes made to the Damper Hold On/Off setting will remain until the power is turned off.

- When the power is turned off, the Damper Hold On/Off setting will return to the default value of 'Off'.

- It is possible to store a preferred Damper Hold On/Off setting for power on.

See page 48, Memory Backup.

MIDI Functions

MIDI Overview

The term MIDI (Musical Instrument Digital Interface) is an international standard for connecting synthesizers, sequencers (MIDI recorders) and other electronic instruments so that they can exchange performance data.

The EZP3 is equipped with two MIDI jacks for exchanging data: MIDI IN and MIDI OUT. Each uses a special cable with a DIN connector.

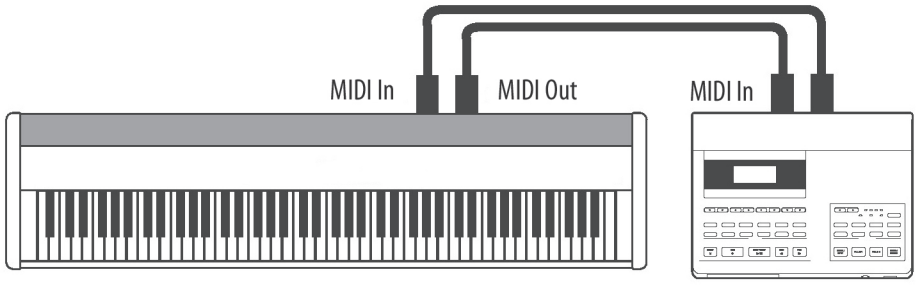
MIDI IN: For receiving note, program change and other data.

MIDI OUT: For sending note, program change and other data.

MIDI uses channels to exchange data back and forth between MIDI devices. There are receive (MIDI IN) and transmit (MIDI OUT) channels. Most musical instruments or devices with MIDI functions are equipped with both MIDI IN and MIDI OUT jacks, and are capable of transmitting and receiving data via MIDI. The receive channels are used to receive data from another MIDI device and the transmit channels are used to transmit data to another MIDI device.

Connection to an external sequencer

When connected as shown in the illustration below, songs played on the EZP3 can be recorded using a MIDI recorder, with internal sounds (such as piano, harpsichord, strings, etc.) controlled by the Multi-Timbral mode function to create a multi-layer MIDI recording.



EZP3 MIDI functions

The EZP3 is capable of the following MIDI functions:

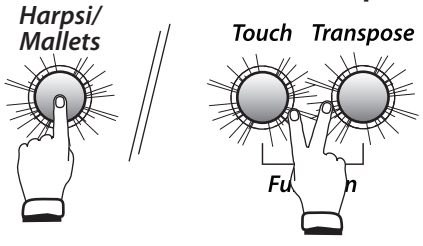
Transmit / receive keyboard note information	By transmitting MIDI data (MIDI out), a MIDI-connected keyboard can be played from the EZP3. Or alternatively, by receiving data (MIDI IN), the EZP3 can be played from another MIDI-connected keyboard or device.
Transmit / receive channel setting	Specify transmit/receive channels within the range of 1 to 16.
Transmit / receive Program change (sound type) number	Transmit/receive program change data to/from a MIDI-connected musical instrument or device.
Transmit / receive pedal data	Transmit/receive sustain pedal data from a MIDI-connected musical instrument or device.
Receive volume data	The EZP3 will respond to MIDI volume data sent from a MIDI-connected musical instrument or device.
Multi-timbral setting	The EZP3 is able to receive multiple channel MIDI data from a MIDI-connected musical instrument or device, when multi-timbral mode is turned on.
Transmit / receive exclusive data	Transmit/receive front panel or menu function settings as exclusive data.
Transmit recorder playback data	Songs recorded using the recorder can be played back from a MIDI-connected musical instrument or recorded by an external sequencer via the MIDI OUT jack. Note that Metronome data will not be transmitted.

Please refer to the MIDI Implementation Chart on page 57 for further information regarding MIDI functionality.

MIDI Channel

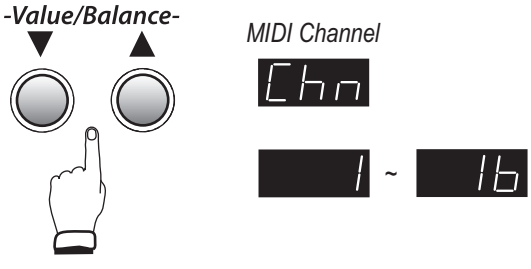
This function is used to determine on which MIDI channel the EZP3 will exchange MIDI information with external MIDI devices and instruments.

1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Harpsi/Mallets** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the MIDI Channel function has been selected.
The name of the function 'Chn' (Channel) and the current settings will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to select the desired **MIDI Channel**.
The MIDI Channel can be set within the range of 1 to 16.



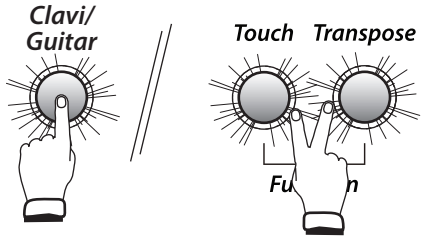
3. Press the **Touch** or **Transpose** button to exit MIDI Channel mode. The buttons will stop flashing.

- By default the EZP3 will receive MIDI information from all channels, 1 to 16.
This state is called 'omni mode on'.
The EZP3 will switch to 'omni mode off' when a specific channel is selected using the MIDI Channel function, and data will only be received on that specified channel.
In order to specify channel 1 in the 'omni mode off' state, first select channel 2, then select channel 1.
It is possible to use the Memory Backup function to store the preferred MIDI Channel setting.
See page 48, Memory Backup.

Send Program Change Number

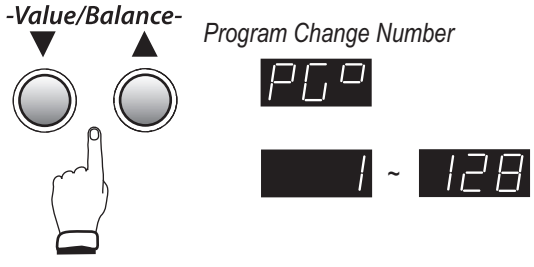
Send program change numbers using this function and any program change number from 1 to 128 can be sent to external MIDI devices and instruments by EZP3.

1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Clavi/Guitar** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the Send Program Change Number function has been selected.
The name of the function 'PG#' (Program #) and a program change number will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to select the desired program change number. The program change number can be set within the range of 1 to 128.



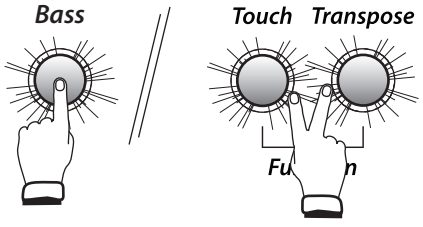
3. Press both ▼ and ▲ **Value/Balance** buttons simultaneously to send the program change number.

4. Press the **Touch** or **Transpose** button to exit Send Program Change Number mode. The buttons will stop flashing.

Local Control On/Off

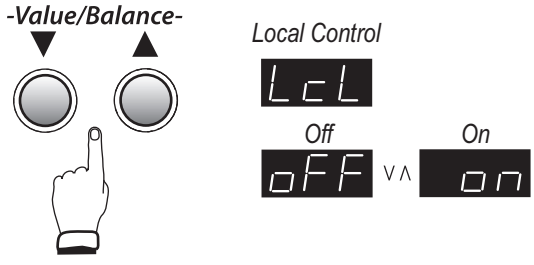
This function determines whether the EZP3 will play a sound when the keyboard is played, or only when a message is received from an external MIDI instrument.

1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Bass** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the Local Control On/Off function has been selected.
The name of the function 'LcL' (Local) and the current settings will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to select the desired Local Control setting.



When set to 'On', the EZP3 will play a sound when the keyboard is played.
With set to 'Off', the EZP3 will not play a sound when the keyboard is played, yet will continue to transmit data on the selected MIDI channel to an external MIDI device.

3. Press the **Touch** or **Transpose** button to exit Local Control On/Off setting mode. The buttons will stop flashing.

- Any changes made to the Local Control On/Off setting will remain until the power is turned off.
- When the power is turned off, the Local Control On/Off setting will return to the default value of 'On'.
- It is possible to store a preferred Local Control On/Off setting for power on.
See page 48, Memory Backup.

Transmit Program Change On/Off

Determines whether or not the EZP3 will transmit program change information when pressing the control buttons.

Program Change Number Mapping

Sound Button		Sound Name	Multi-Timbral mode			
			Off, On 1	On 2		
	No.		Prog No.	MSB	LSB	Prog No.
Piano	1	Concert Grand	1	121	0	1
	2	Studio Grand	2	121	1	1
	3	Mellow Grand	3	121	2	1
E. Piano	1	Classic E.Piano	4	121	0	5
	2	Modern E.P.	5	121	0	6
	3	60's E. P.	6	121	3	5
Organ	1	Jazz Organ	7	121	0	18
	2	Drawbar Organ	8	121	0	17
	3	Church Organ	9	95	0	20
Strings/Choir	1	Slow Strings	10	121	1	45
	2	String Ensemble	11	121	0	49
	3	Choir	12	121	0	53
Harpsi/Mallets	1	Harpsichord	13	121	0	7
	2	Vibraphone	14	121	0	12
	3	Marimba	15	121	0	13
Clavi/Guitar	1	Clavi	16	121	0	8
	2	Steel Guitar	17	95	20	26
	3	Nylon Acoustic	18	121	0	25
Bass	1	Wood Bass	19	121	0	33
	2	Electric Bas	20	121	0	34
	3	W. Bass & Ride	21	95	1	33

MIDI reception only

Sound Category		Sound Name	Multi-Timbral mode			
			Off, On 1	On 2		
	No.		Prog No.	MSB	LSB	Prog No.
Drum		Standard Kit 1	22	120	0	1
		Standard Kit 2	23	120	0	33
		Room Kit d	24	120	0	9
		Analog Kit	25	120	0	26

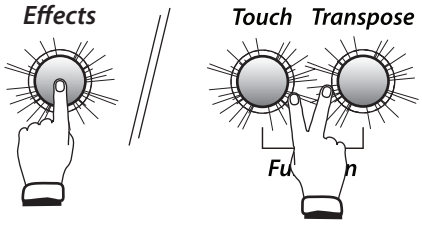
* Active only in On 1 mode.

Please refer to page 54 for a full listing of available drum kits sounds.

When transmit program change is set to 'Off', program change and other panel information will NOT be transmitted via MIDI.
When transmit program change is set to 'On', the following MIDI exclusive data will be transmitted:

- Reverb settings (On/Off, type)
- Tuning setting
- Transmit program change number On/Off
- Touch curve setting
- Dual mode settings
- Multi-timbral mode On/Off
- Multi-timbral mode Channel mute
- Key of Temperament setting

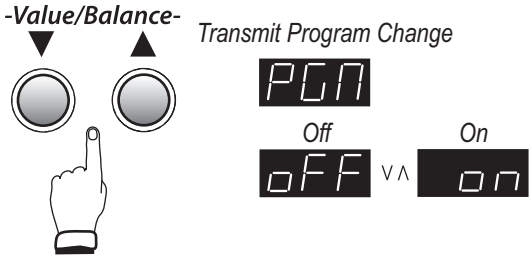
1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Effects** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the Transmit Program Change On/Off function has
been selected.

The name of the function 'PGM' (Program) and the current settings will be shown in the LED display.

2. Press the ▼ or ▲ **Value/Balance** buttons to select the desired Transmit Program Change setting.



When transmit program change is set to 'Off', program change and other panel information will not be transmitted via MIDI.
When transmit program change is set to 'On', program change and other panel information will be transmitted via MIDI.

3. Press the **Touch** or **Transpose** button to exit Transmit Program Change On/Off setting mode.
The buttons will stop flashing.
When using **Dual** or **Split** mode, On/Off information and sound type settings for each mode are transmitted as exclusive data, however, program numbers will not be transmitted. Program numbers will also be transmitted when multi-timbral mode is on.
- Any changes made to the Transmit Program Change On/Off setting will remain until the power is turned off.
- When the power is turned off, the Transmit Program Change On/Off setting will return to the default value of 'On'.
- It is possible to store a preferred Transmit Program Change On/Off setting for power on.
See page 48, Memory Backup.

Multi-Timbral Mode On/Off

Enables the EZP3 to receive data on more than one MIDI channel simultaneously. In this mode, the EZP3 can play several musical parts, with different sounds for each part. With multi-timbral mode enabled, an external sequencer can be used to enjoy an ensemble performance, playing multiple sound types (multi-timbral) on a single EZP3 digital piano.

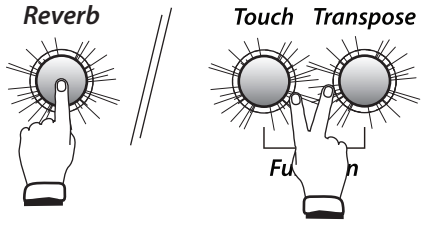
Multi-timbral On (On1 and On2)

This activates the flexible 16 part multi-timbral capability. Individual MIDI channels can be turned on and off, and assigned any internal sound. The internal sound for each MIDI channel can be changed when the program change number for the desired sound is received from an external MIDI device or instrument. The specific EZP3 program change numbers are assigned in On1, and General MIDI program change numbers are assigned in On2. Please refer to page 43 for a list of program change numbers.

Multi-Timbral Off

This deactivates the multi-timbral capability. Only one MIDI channel will be active and only the sound currently selected will be heard when a MIDI signal is received.

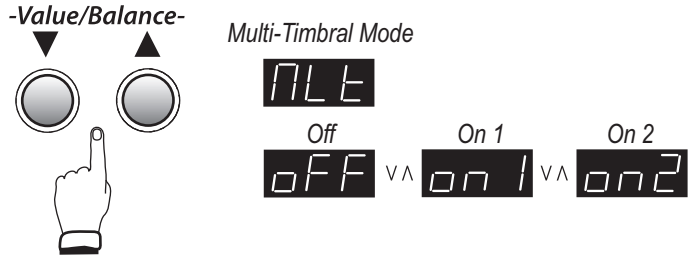
1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Reverb** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the Multi-timbral mode On/Off function has been selected.

The name of the function 'MLt' (Multi) and the current settings will be shown in the LED display.

2. Press the ▼ or ▲ **Value/Balance** buttons to select the desired Multi-timbral mode setting.



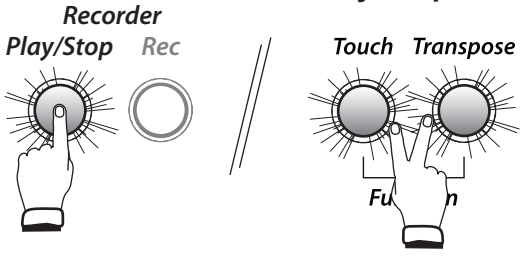
When Multi-timbral mode is set to 'Off' and MIDI information is received, only the currently selected internal sound will be heard.
When Multi-timbral mode is set to 'On1' and MIDI information is received, the internal sound that is heard corresponds to the specific EZP3 program change numbers received from an external MIDI device or instrument. This sound may be different from the internal sound that is currently selected using the **Sound Selection** buttons on the panel.
When Multi-timbral mode is set to 'On2' and MIDI information is received, the internal sound that is heard corresponds to General MIDI program change numbers received from an external MIDI device or instrument.
This sound may be different from the internal sound that is currently selected using the **Sound Selection** buttons on the panel.

3. Press the **Touch** or **Transpose** button to exit Multi-timbral setting mode.
The buttons will stop flashing.
- Any changes made to the Multi-timbral mode On/Off setting will remain until the power is turned off.
- When the power is turned off, the Multi-timbral mode On/Off setting will return to the default value of 'Off'.
- It is possible to store a preferred Multi-timbral On/Off setting for power on.
See page 48, Memory Backup.

Channel Mute

Determines which MIDI channels are activated to receive MIDI information when Multi-timbral mode is set to 'On'. Each of the 16 channels can be individually activated or deactivated.
When Multi-timbral mode is set to 'Off', the Channel Mute function may not be selected.

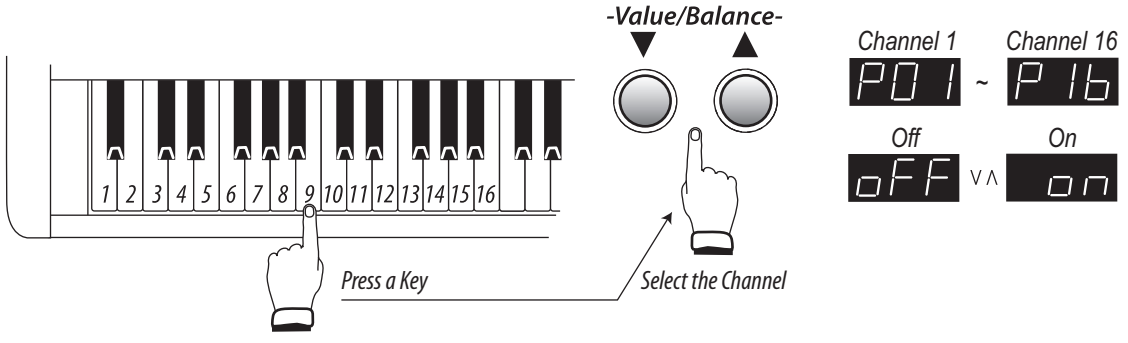
1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Play/Stop** button. Release Touch and Transpose.



The buttons will start to fl ash, indicating that the Channel Mute function has been selected.

The channel number (e.g '1') and the current settings will be shown in the display.

2. Press one of the 16 lowest white keys to select the desired MIDI channel.



3. Press the ▼ or ▲ **Value/Balance** buttons to select the desired Channel Mute setting.

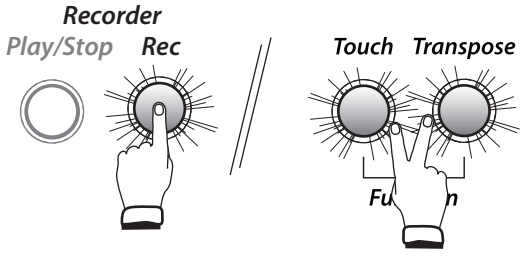
- When set to 'Off', the selected channel will not receive MIDI information when Multi-timbral mode is activated.
- When set to 'On', the selected channel will receive MIDI information when Multi-timbral mode is activated.
- When changing the Channel Mute settings, no sound will be heard when the keys are pressed to select the individual channels.

4. Press the **Touch** or **Transpose** button to exit Channel Mute setting mode.
The buttons will stop flashing.
- Any changes made to the Channel Mute settings will remain until the power is turned off.
- When the power is turned off, and Multi-timbral mode is activated the Channel Mute settings for all channels will return to the default value of 'On'.
- It is possible to store preferred Channel Mute settings for power on. *See page 48, Memory Backup.*

Lower Pedal On/Off

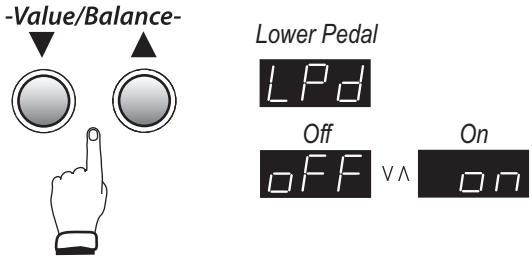
When using the **Split Keyboard** mode, this function determines whether or not pressing the damper pedal will also sustain the Lower section sounds.

1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Rec** button. Release Touch and Transpose.



The buttons will start to flash, indicating that the Lower Pedal On/Off function has been selected.
The name of the function 'LPd' (Lower Pedal) and the current settings will be shown in the LED display.

2. Press the ▼ or ▲ **Value/Balance** buttons to select the desired Lower Pedal setting.



When set to 'On', pressing the damper pedal will sustain the Lower section sounds.
When set to 'Off', pressing the damper pedal will not sustain the Lower section sounds.

Note that regardless of the 'On' or 'Off' setting, pressing the damper pedal will always sustain the Upper section sounds.

3. Press the **Touch** or **Transpose** button to exit Lower Pedal On/Off setting mode. The buttons will stop flashing.

- The Damper Effect (page 34) will be used regardless of the Lower Pedal On/Off setting.
- Any changes made to the Lower Pedal On/Off setting will remain until the power is turned off.
- When the power is turned off, the Lower Pedal On/Off setting will return to the default value of 'Off'.
- It is possible to store a preferred Lower Pedal On/Off setting for power on.
See page 48, Memory Backup.

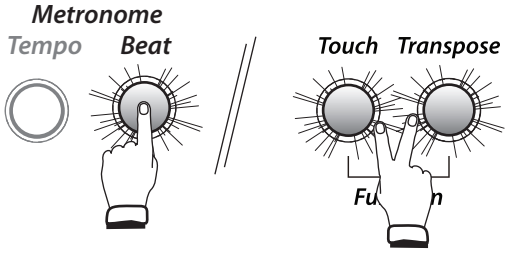
Memory Backup

Enables the EZP3 to store certain user-definable settings, which will be recalled every time the power is turned on.

The following settings will be stored:

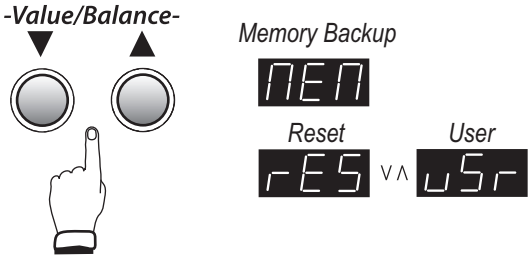
- Selected sound
- Individual sound settings (reverb, effects)
- Equalizer setting
- Function settings
- Transpose setting
- Metronome time signature, tempo, and volume
- Touch curve
- Split

1. Press and hold the **Touch** and **Transpose** buttons.
Press and release the **Beat** button. Release Touch and Transpose.



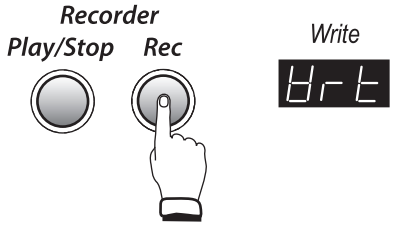
The buttons will start to flash, indicating that the Memory Backup function has been selected.
The name of the function 'MEM' (Memory Backup) and the current settings will be shown in the display.

2. Press the ▼ or ▲ **Value/Balance** buttons to select the desired Memory Backup function.



When set to 'rES' (Reset), the EZP3 will reset all settings to the default value, however the song and registrations memories will not be reset.
When set to 'uSr' (User), the EZP3 will store the current user-definable settings, recalling them every time the power is turned on.

3. Press the **Rec** button to complete the desired Memory Backup operation.



'Wrt' (Write) will be shown in the display, indicating that the current user-definable settings are being stored.

4. Press the **Touch** or **Transpose** button to exit Memory Backup mode.
The buttons will stop flashing.

Appendices

MCS Chord Chart

The chart illustrates how to form certain chords on the left hand/lower keyboard using MCS.

CHORD	MAJOR (1 note)	MINOR (2 notes)	7th (2 notes)	DIM (2 notes)	AUG (3 notes)	MIN 7th (3 notes)	Maj 7th (2 notes)	SUS 4th (3 notes)	MIN 7th♭ 5 (4 notes)
C	C	C/E♭	C/B♭	C/G♭	C/E/G♯	C/E♭/B♭	C/B	C/F/G	C/E♭/G♭/B♭
D♭	D♭	D♭/E	D♭/B	D♭/G	D♭/F/A	D♭/E/B	D♭/C	D♭/G♭/A♭	D♭/E/G/B
D	D	D/F	D/C	D/A♭	D/F♯/A♯	D/F/C	D/C♯	D/G/A	D/F/A♭/C
E♭	E♭	E♭/G♭	E♭/D♭	E♭/A	E♭/G/B	E♭/G♭/D♭	E♭/D	E♭/A♭/B♭	E♭/G♭/A/D♭
E	E	E/G	E/D	E/B♭	E/G♯/C	E/G/D	E/D♯	E/A/B	E/G/B♭/D
F	F	F/A♭	F/E♭	F/B	F/A/C♯	F/A♭/E♭	F/E	F/B♭/C	F/A♭/B/E♭
F♯	F♯	F♯/A	F♯/E	F♯/C	F♯/A♯/D	F♯/A/E	F♯/F	F♯/B/C♯	F♯/A/C/E
G	G	G/B♭	G/F	G/D♭	G/B/D♯	G/B♭/F	G/F♯	G/C/D	G/B♭/D♭/F
A♭	A♭	A♭/B	A♭/G♭	A♭/D	A♭/C/E	A♭/B/G♭	A♭/G	A♭/D♭/E♭	A♭/B/D/G♭
A	A	A/C	A/G	A/E♭	A/C♯/F	A/C/G	A/G♯	A/D/E	A/C/E♭/G
B♭	B♭	B♭/D♭	B♭/A♭	B♭/E	B♭/D/F♯	B♭/D♭/A♭	B♭/A	B♭/E♭/F	B♭/D♭/E/A♭
B	B	B/D	B/A	B/F	B/D♯/G	B/D/A	B/A♯	B/E/F♯	B/D/F/A

CHORD	♭ 5 (3 notes)	MIN w/MAJ 7 (3 notes)	6th (4 notes)	MIN 6th (4 notes)	DIM 7th (4 notes)	9th (3 notes)	13th (3 notes)
C	C/E/G♭	C/E♭/B	C/E/G/A	C/E♭/G/A	C/E♭/G♭/A	E/B♭/D	B♭/E/A
D♭	D♭/F/G	D♭/E/C	D♭/F/A♭/B♭	D♭/E/A♭/B♭	D♭/E/G/B♭	F/B/E♭	B/F/B♭
D	D/F♯/A♭	D/F/C♯	D/F♯/A/B	D/F/A/B	D/F/A♭/B	F♯/C/E	C/F♯/B
E♭	E♭/G/A	E♭/G♭/D	E♭/G/B♭/C	E♭/G♭/B♭/C	E♭/G♭/A/C	G/D♭/F	D♭/G/C
E	E/G♯/B♭	E/G/E♭	E/G♯/B/C♯	E/G/B/C♯	E/G/B♭/C♯	G♯/D/F♯	D/G♯/C♯
F	F/A/B	F/A♭/E	F/A/C/D	F/A♭/C/D	F/A♭/B/D	A/E♭/G	E♭/A/D
F♯	F♯/A♯/C	F♯/A/F	F♯/A♯/C♯/D♯	F♯/A/C♯/D♯	F♯/A/C/D♯	A♯/E/G♯	E/A♯/D♯
G	G/B/D♭	G/B♭/G♭	G/B/D/E	G/B♭/D/E	G/B♭/D♭/E	B/F/A	F/B/E
A♭	A♭/C/D	A♭/B/G	A♭/C/E♭/F	A♭/B/E♭/F	A♭/B/D/F	C/G♭/B♭	G♭/C/F
A	A/C♯/E♭	A/C/G♯	A/C♯/E/F♯	A/C/E/F♯	A/C/E♭/F♯	C♯/G/B	G/C♯/F♯
B♭	B♭/D/E	B♭/D♭/A	B♭/D/F/G	B♭/D♭/F/G	B♭/D♭/E/G	D/A♭/C	A♭/D/G
B	B/D♯/F	B/D/A♯	B/D♯/F♯/G♯	B/D/F♯/G	B/D/F/G♯	D♯/A/C♯	A/D♯/G♯

N.C. - NO CHORD

Pressing 3, 4, or 5 half steps at the same time, for example: C, C♯, D -or- F, F♯, G, A♭; results in a No Chord (printed **N.C.** on music).

Chord names and Symbols

Below illustrates how chord names and chord symbols are shown in the EZP3 display.

C Chord

D Chord

E Chord

F Chord

G Chord

A Chord

B Chord

Flat

Minor

Diminished

Augmented

Suspended

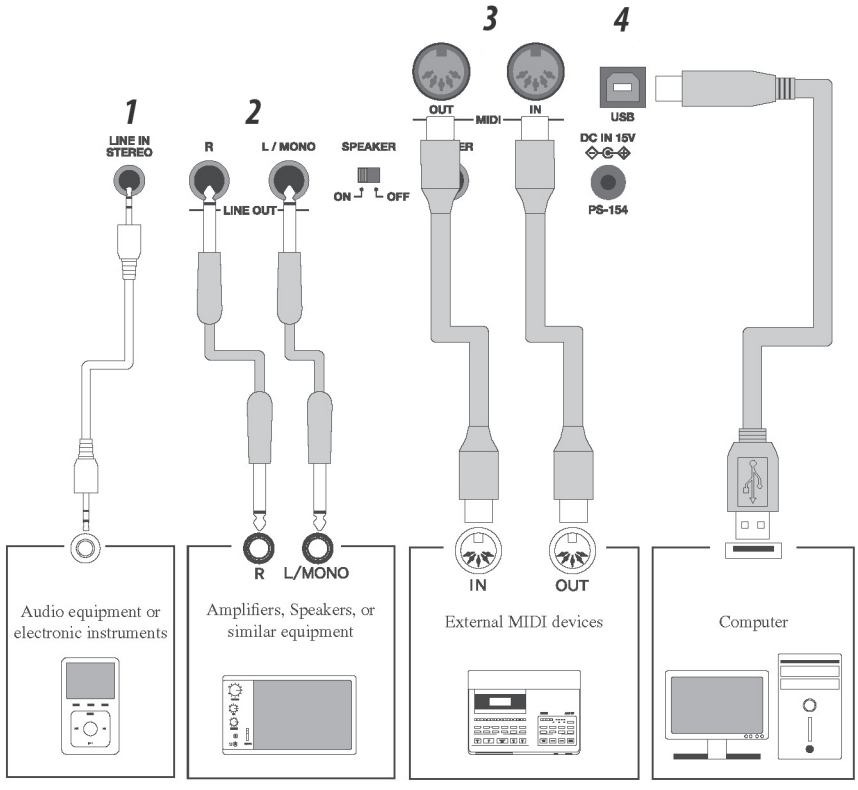
Flat 5

Seventh

Ninth

Connecting to Other Devices

> ⚠ Caution — Do not directly connect the Line In and Line Out jacks of the EZP3 together with a cable. An audio loop (oscillation sound) will occur, resulting in damage to the unit.



1. Line In Stereo Jack

This jack allows the output from an external audio device, such as a CD or MP3 player, to be mixed with the sound produced by the EZP3.

Please use the controls on the external device in order to adjust the volume level of the mixed audio.

2. Line Out Jacks

These jacks provide stereo or mono output of the sound produced by the EZP3 to amplifiers, mixers, recorders, and similar equipment.

When connecting to a stereo device, use both the **L/Mono** and **R** connectors. When connecting to a monaural device, use only the **L/Mono** connector. The audio signal from the **Line In Stereo** jack is also routed to these jacks. In addition, the panel **Volume** slider can be used to control the output level from the **Line Out** jacks without affecting the level of the **Line In Stereo** audio signal.

3. MIDI Jacks

These jacks are used to connect external MIDI devices with the EZP3. There are two terminals: MIDI IN and MIDI OUT.

4. USB Port

When the EZP3 is connected to a computer via a commercially available USB cable, the EZP3 will be recognized as a standard MIDI device, allowing the instrument to send and receive MIDI messages just as with a regular MIDI interface. Connect a ‘B’ type USB connector to the EZP3 digital piano and an ‘A’ type USB connector to the computer.

USB USAGE

About the USB Driver

Additional driver software may be required in order to send and receive data between a computer and the EZP3 using a USB connection.
Please read the following instructions carefully for each computer/operating system type.

Windows XP/Me users:

The standard USB-MIDI driver installed by Windows XP/Me will be used automatically - additional driver software should not be required.
To establish MIDI communications with the EZP3, ensure that the MIDI device is defined as 'USB audio device' within the MIDI application.

Macintosh OS X users:

The standard USB-MIDI driver will be installed automatically by Macintosh OS X - additional driver software should not be required.
To establish MIDI communications with the EZP3, ensure that the MIDI device is defined as 'USB MIDI' within the MIDI application.

Macintosh OS9 (or earlier) users:

The EZP3 digital piano does not support USB MIDI under Macintosh OS9 (or earlier) systems. Please utilize a standard, commercially available MIDI interface in order to establish a MIDI connection with the EZP3.

Notes on Usage

- When both MIDI jacks and the USB port are connected simultaneously, the USB port has priority.
- When connecting a USB cable to the EZP3 digital piano, first connect the USB cable and then turn the EZP3 power on.
- When the EZP3 is connected to a computer via the USB port, there may be a short delay before MIDI communications begin.
- If the EZP3 is connected to the computer via a USB hub and the USB communication becomes unreliable/unstable, please connect the USB cable directly to the USB port of the computer.
- Turning the EZP3 power on/off while connected via USB, or disconnecting the USB cable suddenly, may cause computer instability in the following situations:
  - *while installing the USB driver*
  - *while starting up the computer*
  - *while MIDI applications are performing tasks*
  - *while the EZP3 digital piano is communicating with the computer*
  - *while the computer is in energy saver mode*
- If there are any further problems with USB communication while the EZP3 is connected, please consult the instruction manual of your computer and double-check all connections and relevant settings.

The USB-MIDI conversion board TID10000934 utilized in the EZP3 digital piano is approved to show the USB logo.
The USB logo can be used only for products approved by the USB-IF (USB Implements Forum Inc.) test.

- "MIDI" is a registered trademark of the Association of Manufacturers of Electronic Instruments (AMEI).
- "Windows" is registered trademark of Microsoft Corporation.
- "Macintosh" is registered trademark of Apple Computer, Inc.
- Other company names and product names mentioned referenced herein may be registered trademarks or trademarks of respective owners.

Rhythm Style List

Display	*Rhythm Name*
r-1	8 Beat 1
r-2	8 Beat 2
r-3	16 Beat 1
r-4	16 Beat 2
r-5	16 Beat 3
r-6	Ride Beat 1
r-7	Ride Beat 2
r-8	Rock Beat
r-9	Surf Rock
r10	Ballad 1
r11	Ballad 2
r12	Light Ride 1
r13	Light Ride 2
r14	Smooth Beat
r15	Slow Jam
r16	Funky Beat
r17	Disco
r18	8 Shuffle
r19	Triplet
r20	Triplet Ballad
r21	Waltz
r22	Motown 1
r23	Motown 2
r24	Ride Swing
r25	H.H. Swing
r26	Jazz Waltz
r27	H.H. Bossa Nova
r28	Mambo
r29	Light Samba
r30	Surdo Samba

Drum Kit Sounds

Key	No.	Standard Kit 1	Standard Kit 2	Room Kit	Analog Kit
C 0	24				
C# 0	25	Snare Roll	<	<	<
D 0	26	Finger Snap	<	<	<
D# 0	27	High Q	<	<	<
E 0	28	Slap	<	<	<
F 0	29	Scratch Push	<	<	Scratch Push2
F# 0	30	Scratch Pull	<	<	Scratch Pull2
G 0	31	Sticks	<	<	<
G# 0	32	Square Click	<	<	<
A 0	33	Metronome Click	<	<	<
A# 0	34	Metronome Bell	<	<	<
B 0	35	Std1 BD2	Std2 BD2	Room BD2	Analog BD2
C 1	36	Std1 BD1	Std2 BD1	Room BD1	Analog BD1
C# 1	37	Rim	<	<	Analog Rim
D 1	38	Std1 SD1	Std2 SD1	Room SD1	Analog SD1
D# 1	39	Hand Clap	<	<	<
E 1	40	Std1 SD2	Std2 SD2	Room SD2	Analog SD2
F 1	41	Std1 LowTom2	<	RoomLowTom2	Analog LowTom2
F# 1	42	Std1 HHC	<	Room HHC	Analog HHC
G 1	43	Std1 Low Tom1	<	RoomLowTom1	Analog Low Tom1
G# 1	44	Std1 HHP	<	<	Analog HHP
A 1	45	Std1 Mid Tom2	<	RoomMidTom2	Analog Mid Tom2
A# 1	46	Std1 HHO	<	Room HHO	Analog HHO
B 1	47	Std1 Mid Tom1	<	RoomMidTom1	Analog Mid Tom1
C 2	48	Std1 Hi Tom2	<	RoomHiTom2	Analog Hi Tom2
C# 2	49	Std1 Crash1	<	<	<
D 2	50	Std1 Hi Tom1	<	RoomHiTom1	Analog Hi Tom1
D# 2	51	Std1 Ride1	<	<	<
E 2	52	Chaina	<	<	<
F 2	53	Cup	<	<	<
F# 2	54	Tambourine	<	<	<
G 2	55	Splash	<	<	<
G# 2	56	Cowbell	<	<	Analog Cowbell
A 2	57	Crash2	<	<	<
A# 2	58	Vibra Slap	<	<	<
B 2	59	Ride2	<	<	<

Key	No.	Standard Kit 1	Standard Kit 2	Room Kit	Analog Kit
C 3	60	Hi Bongo	<	<	<
C# 3	61	Low Bongo	<	<	<
D 3	62	Mute Hi Conga	<	<	Analog Hi Conga
D# 3	63	Hi Conga	<	<	Analog Mid Conga
E 3	64	Low Conga	<	<	Analog Low Conga
F 3	65	Hi Timbale	<	<	<
F# 3	66	Low Timbale	<	<	<
G 3	67	Hi Agogo	<	<	<
G# 3	68	Low Agogo	<	<	<
A 3	69	Cabasa	<	<	<
A# 3	70	Maracas	<	<	Analog Maracas
B 3	71	Short Whistle	<	<	<
C 4	72	Long Whistle	<	<	<
C# 4	73	Short Guiro	<	<	<
D 4	74	Long Guiro	<	<	<
D# 4	75	Claves	<	<	Analog Claves
E 4	76	Hi Wood Blk	<	<	<
F 4	77	Low Wood Blk	<	<	<
F# 4	78	Mute Cuica	<	<	<
G 4	79	Open Cuica	<	<	<
G# 4	80	Mute Triangle	<	<	<
A 4	81	Open Triangle	<	<	<
A# 4	82	Shaker	<	<	<
B 4	83	Jingle Bell	<	<	<
C 5	84	Bell Tree	Bar Chimes	<	<
C# 5	85	Castanets	<	<	<
D 5	86	Mute Surdo	<	<	<
D# 5	87	Open Surdo	<	<	<

Specifications

Keyboard	88 Keys with Advanced Hammer Action IV-F
Internal Sounds	21 voices
Polyphony	Max. 96 notes
Display	3 digit LED
Effects	Reverb (Room 1, Room 2, Stage, Hall 1, Hall 2), Chorus, Delay, Tremolo, Rotary 1, Rotary 2
Metronome	Time signatures: 1/4, 2/4, 3/4, 4/4, 5/4, 3/8, 6/8, 30 drum rhythms Tempo: 30-300 BPM
Recorder	3 song - total memory capacity approximately 15,000 notes.
Other Functions	Dual, Split, Dual/Split balance adjust, Four Hands, EQ (2 types), Touch curve (6 types), Transpose, Brilliance, Tuning, Voicing, Damper effect, String resonance, Temperament, Lower octave shift, Lower pedal, Damper hold, Memory backup, MIDI function settings
Pedal	Damper
External Jacks	Headphones x 2, LINE IN (Stereo), LINE OUT (L/MONO, R), Pedal, MIDI (IN, OUT), USB (to Host)
Output Power	13W x 2
Speaker	4 of 1.96 in. round, 2 of 3.15 x 4.72 in. oval (Bass-reflex speaker enclosure)
Power Consumption	35W
Dimensions (WxDxH)	53.62 x 13.58 x 5.47 in.
Weight	47 lbs.

Lowrey EZP3 MIDI Implementation Chart

Function...		Transmitted	Recognized	Remarks
Basic	Default	1	1	
Channel	Changed	1-16	1-16	
	Default	Mode 3	Mode 1	*Omni On, Channel 1
Mode	Messages	X	Mode 1, 3*	* Omni Off, Channel 1-16 configurable
	Altered	*********	X	
Note		9-120*	0-127	*9-120 including transpose
Number	: True voice	*********	0-127	
Velocity	Note ON	O 9nH v=1-127	O	
	Note OFF	X 8nH v=0	X	
After	Key's	X	X	
Touch	Ch's	X	X	
Pitch Bend		X	X	
Control Change	0, 32	O	O	Bank Select*1
	7	X	O	Volume
	10	X	O	Panpot
	11	X	O	Expression
	64	O	O	Damper Pedal
Prog Change		O	O	*1
System Exclusive		O	O	
	: Song Pos.	X	X	
Common	: Song Sel.	X	X	
	: Tune	X	X	
System	: Clock	X	X	
Real time	: Commands	X	X	
Aux	: Local ON/OFF	X	O	
	: All Notes OFF	X	O	
	: Active Sense	O	O	
	: Reset	X	X	

*1 Please refer to the Program Change Number Mapping list on page 43.

Mode 1: Omni On, Poly Mode 2: Omni On, Mono O: Yes

Mode 3: Omni Off, Poly Mode 4: Omni Off, Mono X: No

EZP3 EASY Piano Owner's Guide
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