



THE WORLD'S FIRST ELECTRO-ACOUSTIC HANDPAN

Performs and feels like an acoustic percussion instrument.
Professionally recorded digital samples will play when tapping any of the pads.

INSTRUCTION MANUAL



WARRANTY

Your Lumen is covered by a twelve-month materials and workmanship warranty. Should your Product experience full or partial loss of functionality, you may return it to us for inspection and repair (see Return Policy).

Our technical team will perform an inspection to determine the cause of the issue. If the cause is identified as:

- A fault in materials or assembly workmanship: we will repair the product and return it to you at no extra cost.
- Damage due to user abuse, attempted modifications or neglect: we will provide you with a quote for the repair and return the product to you.

DISCLAIMER

We highly discourage any attempts to open or repair the Lumen Handpan music instrument by yourself.

Doing so may result in damage to the instrument and may void the warranty.

The Lumen Handpan is a delicate musical instrument that requires expertise and experience to handle properly.

If your Lumen Handpan requires repair, please contact our customer service team for assistance.

Our team of experts will provide you with the necessary support to ensure that your instrument is repaired and maintained to the highest standards.

Any modifications or repairs attempted by an unauthorized person may cause irreparable damage to the instrument.

Please note that attempting to open or repair the Lumen Handpan by yourself will void the warranty, and any repairs or replacements required due to self-repair attempts will be at the customer's expense.

We appreciate your understanding and cooperation in maintaining the quality and integrity of the Lumen Handpan.

RETURN POLICY

When requesting a refund, or returning your Product for a warranty claim, please contact customer support and ask for a Return Merchandise Authorisation (RMA). You may then send the Product to us for processing of your request.

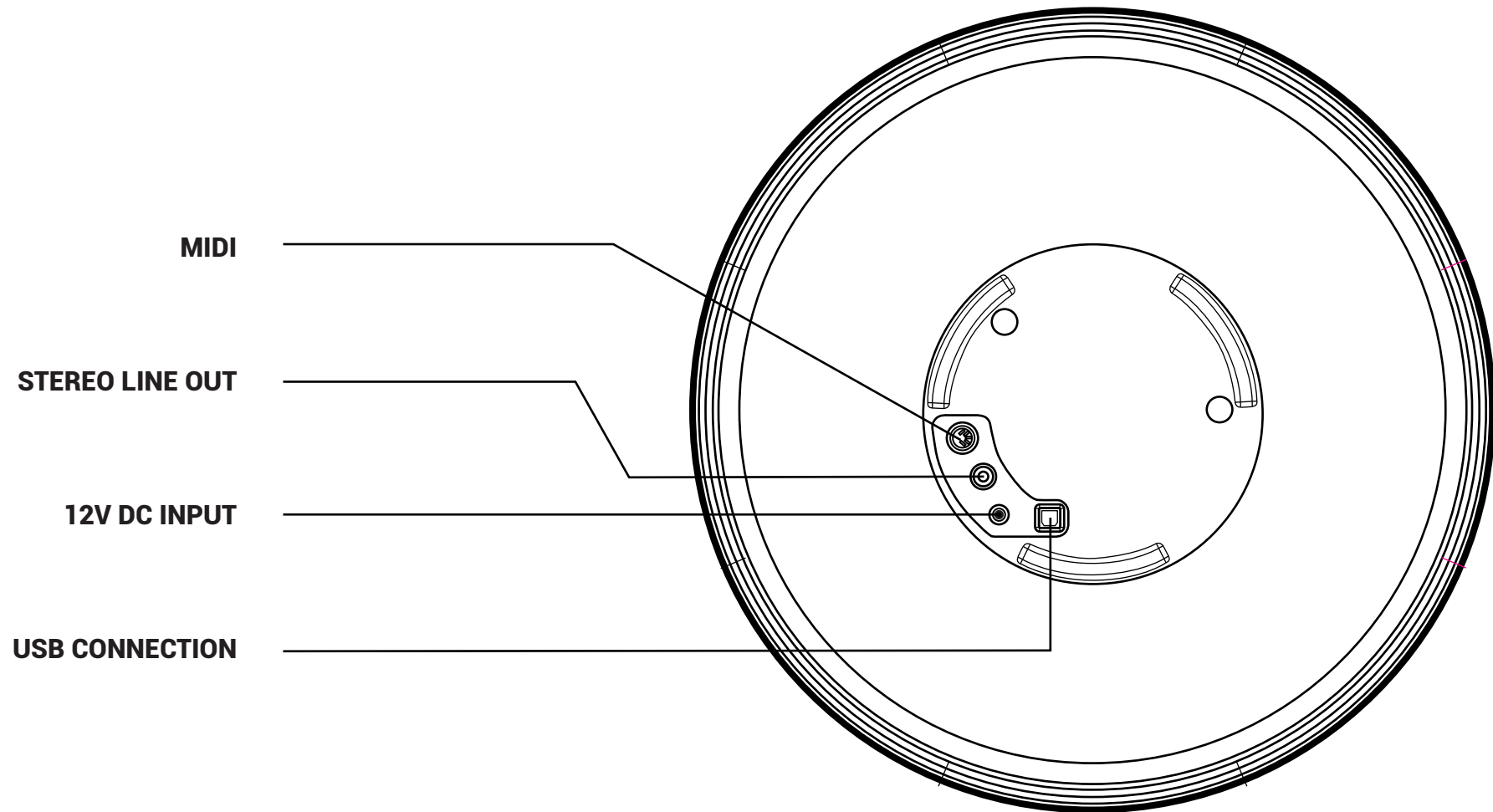
You will be responsible for and must pay all shipping costs and assume the risk of loss or damage to the returned Product during transit.

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PANEL LAYOUT





SPECIFICATION

IN THE BOX

- LUMEN INSTRUMENT
- CHARGER
- BAG (Also Sold Separately)
- STAND
- USB CABLE

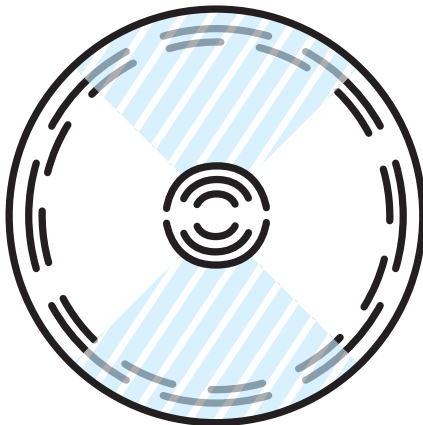
FIRST USE

POWERING ON THE LUMEN

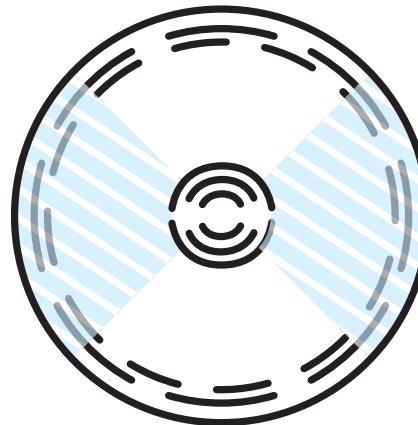
- To power on the Lumen press and hold the ring for >2 seconds
- To charge the Lumen connect the provided AC charger to the insert at the base of the instrument
- To adjust volume, dampening, tones, sounds and more see pages 5 & 6
- To connect an audio device such as speakers or headphones, insert the audio jack into the STEREO LINE OUT.

SENSOR DIAGRAM

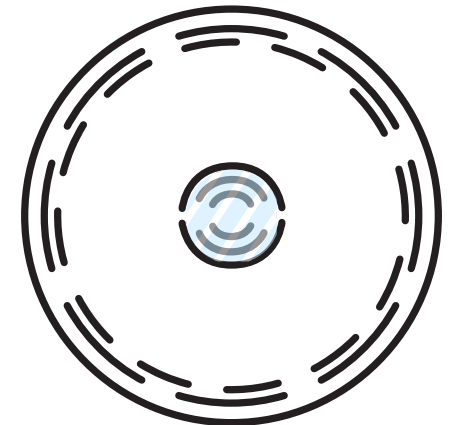
Vertical Zones



Horizontal Zones

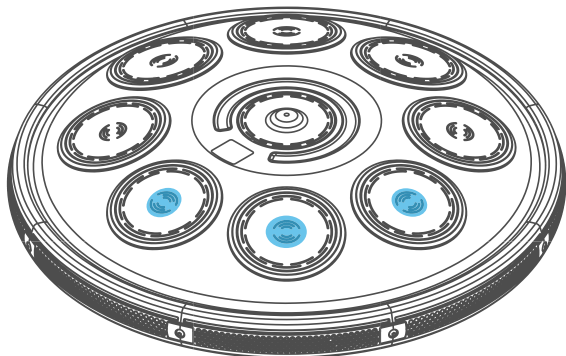


Center Zones

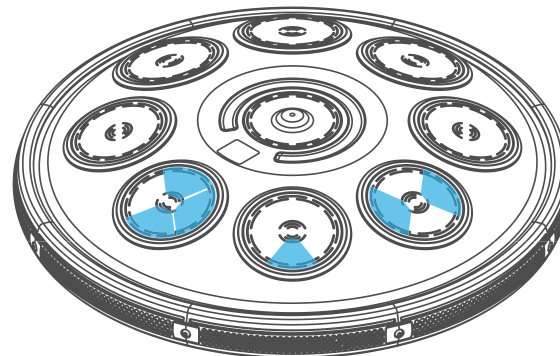


HOW TO PLAY

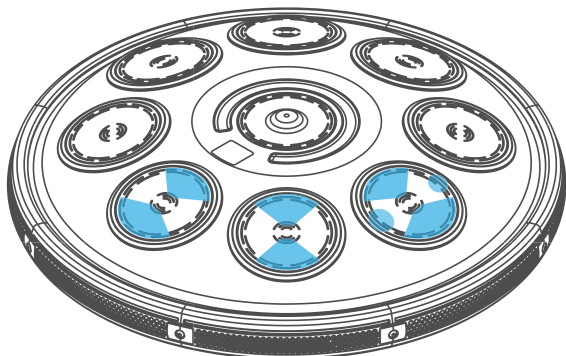
To activate the fundamental sound simply strike the center of the pad:



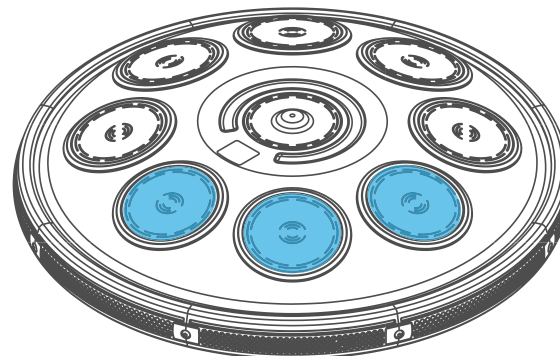
To activate the overtones strike the sides of each pad:



To activate the second harmonic, hold down a horizontal zone and strike the vertical zone. To activate the third harmonic, hold down a vertical zone and strike the horizontal zone.



To dampen the generated sound apply pressure to the pad during or after a strike



MENU STRUCTURE

On The Fly (OTF) Menu:

This menu is activated by a single short press on the ring in normal playing mode. Subsequent clicks will scroll through each menu.

1st Click = Volume (increase/decrease)

2nd Click = Key (change)

3rd Click = Scale (change)

4th Click = Instrument (change)

5th Click = Screen Off

- Volume - allows user to change the volume of the instrument 0 - 100%
- Scale - allows user to select one of the stored scales within the current instrument
- Instrument - allows user to select one of the stored instruments

Setup Menu: (SCALES; OPTION; POWER OFF)

This menu is activated by a long press (> 1.5 seconds) in normal playing mode.

The scales to be edited, deleted or created will be for the currently selected instrument (selected through the OTF menu).

SCALES allows the user to edit, delete or set up a new scale.

In the case-of editing or creating: the user uses the ring to select characters.

Once the name is completed the user scrolls all the way to the end of the ring - the word "DONE" will be displayed and the name is saved.

EDIT: Allows the user to edit an existing custom scale. If no custom scale exists, Lumen will display "No Data!".

CREATE: Tuning mode is now entered, and the user can assign notes to each pad.

The last note that was struck is the one that gets tuned. Tuning happens by scrolling through the ring and selecting the desired note.

At all times during tuning mode, the instrument can be played like normal.

To exit tuning mode and save the custom scale, the user gives the ring a long press and the lumen will display "Saved!".

In all Setup and sub-menus, tapping the Ding (top sensor pad) will take the user back, and eventually out of the current menu item.





MENU STRUCTURE

Scales:

- SCALES
 - ↳ EDIT
 - ↳ SELECT
 - ↳ EDIT NAME
 - ↳ TUNING MODE
 - ↳ DELETE
 - ↳ 4 SELECT
 - ↳ CREATE
 - ↳ ENTER NAME
 - ↳ TUNING MODE

Options:

The **Options** menu allows the user to set/unset various options.

- OPTIONS

Turn the **Built-In Speaker** on/off, for when using the audio or MIDI out.

- OUT
 - ↳ ON
 - ↳ OFF

Turn on/off the **harmonics** for all the pads.

- HARMONICS
 - ↳ ON
 - ↳ OFF

Turn on/off the **damping** for all the pads.

- DAMP
 - ↳ ON
 - ↳ OFF

Set the **Master Audio Volume**. The normal OTF maximum volume will be set to this volume.

- AUDIO
 - ↳ Select volume by sliding across the ring. We recommend leaving this at full/maximum volume

Set the amount of time before the **Lumen will Turn itself Off** after not being played.

- TURN OFF
 - ↳ 5min | 10min | 15min | 20min

Turn the **Equalizer** on/off

- EQ
 - ↳ ON (equalizer is on)
 - ↳ OFF (equalizer is off)

Set the minimum **Control Values for MIDI** which affects the level of damping when applying pressure to a sensor.

Lower values apply more damping:

- CTRL
 - ↳ AFTERTOUCH
 - ↳ SELECT VALUE
 - ↳ BRIGHTNESS
 - ↳ SELECT VALUE
 - ↳ EXPRESSION
 - ↳ SELECT VALUE

Battery level indicator

- Battery

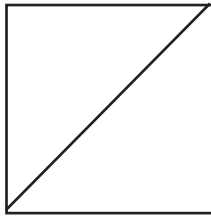
Put Lumen into **update** mode to allow for new sound-bank downloads through the Lumen library

- UPDATE

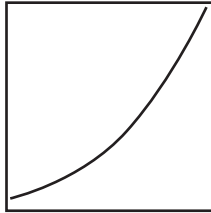
Change the velocity **curves** to match your playing style

- CURVE

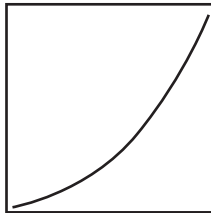
NORMAL



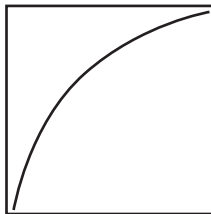
HARD 1



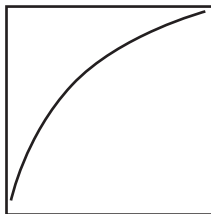
HARD 2



SOFT 1



SOFT 2



Return all the instrument options to **default**.

- DEFAULTS
 - ↳ YES
 - ↳ NO



SAFETY INSTRUCTIONS

- Read and follow all these instructions, and heed all warnings.
 - To reduce the risk of fire or electric shock, do not expose this instrument to rain or moisture. The instrument should not be exposed to dripping or splashing, and objects filled with liquids, such as vases, shall not be placed on (or even near) the instrument.
 - Do not use this instrument near water – The instrument should not be used near water or moisture - for example, in a wet basement or near a swimming pool, and the like.
 - Do not block any ventilation openings.
 - Do not install or use near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
 - Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the instrument.
 - Only use attachments/accessories specified by the manufacturer.
 - Unplug the instrument during lightning storms or when unused for long periods of time.
 - Refer all servicing to qualified service personnel. Servicing is required when the instrument has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled on the instrument, objects have fallen into the instrument, the instrument has been exposed to rain or moisture, does not operate normally, or has been dropped.
 - Where the plug of the Direct Plug-in Adapter is used as the disconnect device, the disconnect device shall remain readily operable.
 - This product complies with the radio interference requirements of the European Community and Federal Communications Commission (FCC) in the United States of America.
 - Before you make or change any connections, make sure that all devices are disconnected from the power outlet.
 - All cables connected to this product are required to fulfil radio interference requirements.
- For identification and supply ratings, see the type plate at the back or bottom of the instrument.
- Before you connect the instrument to the power outlet, ensure that the power voltage matches the value printed on the back or bottom of the instrument. Never connect the instrument to the power outlet if the voltage is different.
 - Operating ambient temperature: 0 - 40° C
 - Storage and transportation ambient temperature: -10 - 50° C
 - Altitude not higher than 2000m (air pressure not less than 80kPa).
 - If the instrument is transported in temperatures below 5° C, unpack the instrument and wait until its temperature matches room temperature before connecting it to the power outlet.
 - Parts of this product can be made of glass. Handle with care to avoid injury and damage.





WARNING

- Replacement of a battery with an incorrect type may defeat a safeguard;
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, may result in an explosion;
- Leaving a battery in an extremely high temperature surrounding environment, such as sunshine, fire, or hot surface may result in an explosion or the leakage of flammable liquid or gas;
- A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.

CAUTION

Risk of fire or explosion if the battery is replaced by an incorrect type!

FCC information

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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



IC-Canada: CAN ICES-003(B)/NM B-003(8)

This device contains license-exempt transmitter(s) / receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s).

Operation is subject to the following two conditions:

- This device may not cause interference.
- This device must accept any interference, including interference that may cause undesired operation of the device.

Compliance



This product complies with the radio interference requirements of the European Community.



This product is ETL listed and complies with UL STD. 62368-1 and CSA STD. C22.2 N0.62368-1.



This product is ETL verified for compliance of the energy performance of NRCan.



This product is UK Conformity Assessed.

Care of the environment

Disposal of your old product and battery



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.



This symbol on a product means that the product is covered by European Directive 2012/19/EU.



This symbol means that the product contains batteries covered by European Directive 2013/56/EU which cannot be disposed of with normal household waste. Inform yourself about the local separate collection system for electrical and electronic products and batteries. Follow local rules and never dispose of the product and batteries with normal household waste. Correct disposal of old products and batteries helps prevent negative consequences for the environment and human health.



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