

User Manual

NUX Drum System

DM-110

DIGITAL DRUM KIT



NUX



Cherub Technology Co., Ltd.

www.nuxaudio.com

USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠ WARNING and ⚠ CAUTION Notices About the Symbol

 WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.	 CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.
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ALWAYS OBSERVE THE FOLLOWING

⚠ WARNING

- Before using this unit, make sure to read the instructions below and the Owner's Manual.
- Do not open (or modify in any way) the unit or its AC adaptor.
- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest NUX Service Center.
- Never use or store the unit in places that are:
 - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
 - Damp (e.g., baths, washrooms, on wet floors); or Are
 - Humid; or Are
 - Exposed to rain; or Are
 - Dusty; or Are
 - Subject to high levels of vibration.
- This unit may be installed on a stand using a Clamp.
- When installing the unit on a stand with a clamp, the stand must not be placed in an unstable location or on an incline, but in a level and stable position. Even if a stand is not used, make sure that the unit is placed in a stable location.

⚠ WARNING

- Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.
- Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock Hazards!
- This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an Audiologist.
- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.

⚠ WARNING

- Immediately turn the power off, remove the AC adaptor from the outlet, and request servicing by your retailer, the nearest NUX Service Center.
- The AC adaptor or the power-supply cord has been damaged; or
- If smoke or an unusual odor occurs
- Objects have fallen into, or liquid has been spilled onto the unit; or
- The unit has been exposed to rain (or otherwise has become wet); or
- The unit does not appear to operate normally or exhibits a marked change in performance.

- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.

- Protect the unit from strong impact. (Do not drop it!)

- Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.

- Before using the unit in a foreign country, consult with your retailer, the nearest NUX Service Center.

⚠ CAUTION


- The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation.
- Always grasp only the output plug or the body of the AC adaptor when plugging into, or unplugging from, this unit or an outlet.
- Any accumulation of dust between the AC adaptor and the power outlet can result in poor insulation and lead to fire. Periodically wipe away such dust with a dry cloth. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time.
- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.
- Never climb on top of, nor place heavy objects on the unit.
- Never handle the AC adaptor body, or its output plugs, with wet hands when plugging into, or unplugging from, an outlet or this unit.
- If you need to move the instrument, take note of the precautions listed below. Make sure to have a firm grip, to protect yourself from injury and the instrument from damage.
 - Check to make sure that the clamp that fixes the unit to the stand has not become loose. Fasten them again securely whenever you notice any loosening.
 - Disconnect the power cord.
 - Disconnect all cords coming from external devices.
- Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet.
- Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet.
- Should you remove security screws, make sure to put them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally.

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QUICK INSTALLATION GUIDE

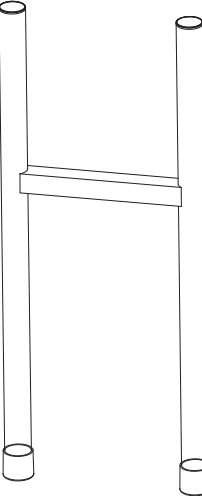
Name of components



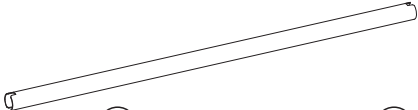
① Left Frame x1




② Right Frame x1




③ Main Frame x1




④ Cross Frame x2




⑤ Snare Mounting Rod x1




⑥ Crash Cymbal Mount Arm x1




⑦ Hi-Hat Cymbal Mount Arm x1




⑧ Ride Cymbal Boom Arm x1




⑨ Small Joint x3




⑩ Medium Joint x2



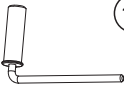
⑪ Large Joint x3




⑫ Frame Joint x4



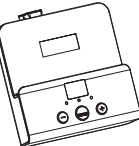
⑬ Module Joint x1




⑭ Drum Rods (Type 1) x2




⑮ Drum Rods (Type 2) x2




⑯ Module x1



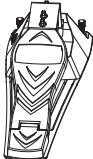
⑰ Cymbals x3



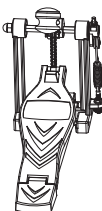
⑱ Toms x3



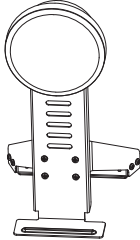
⑲ Snare x1



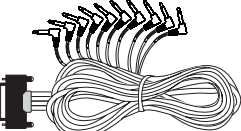
⑳ Hi-Hat Pedal x1




㉑ Kick Pedal x1




㉒ Kick x1




㉓ Drum Cables x1




㉔ Power Supply x1



㉕ Drum Sticks x1

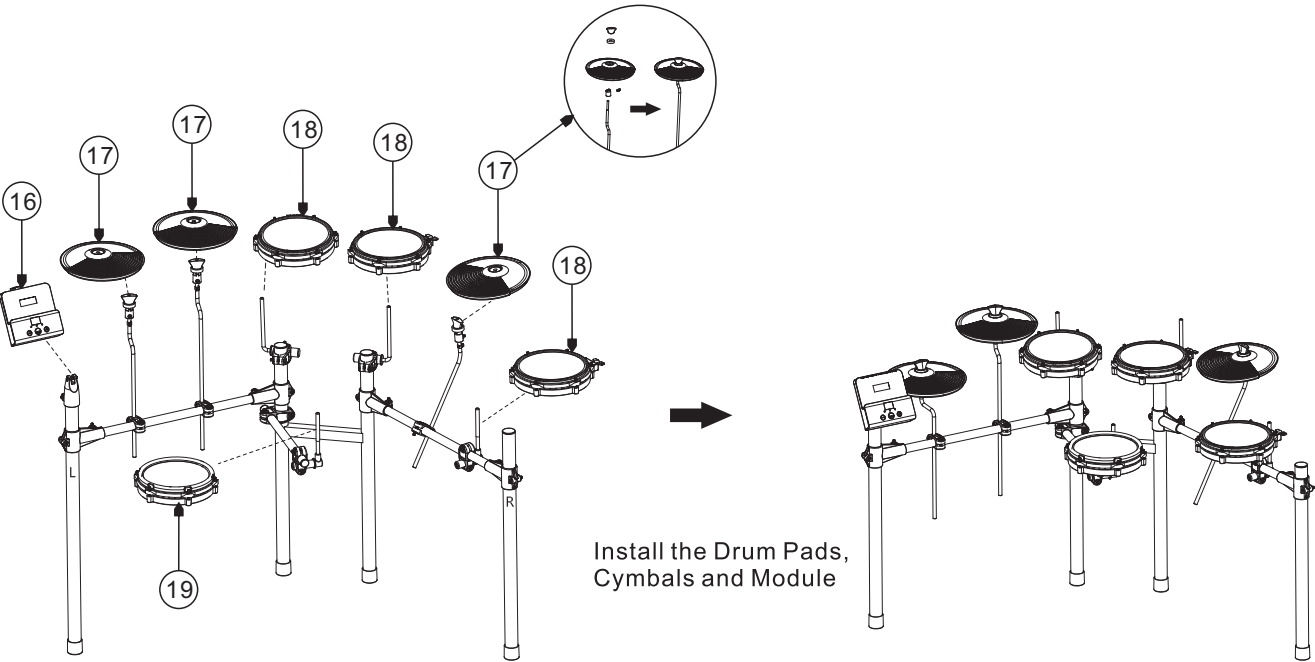
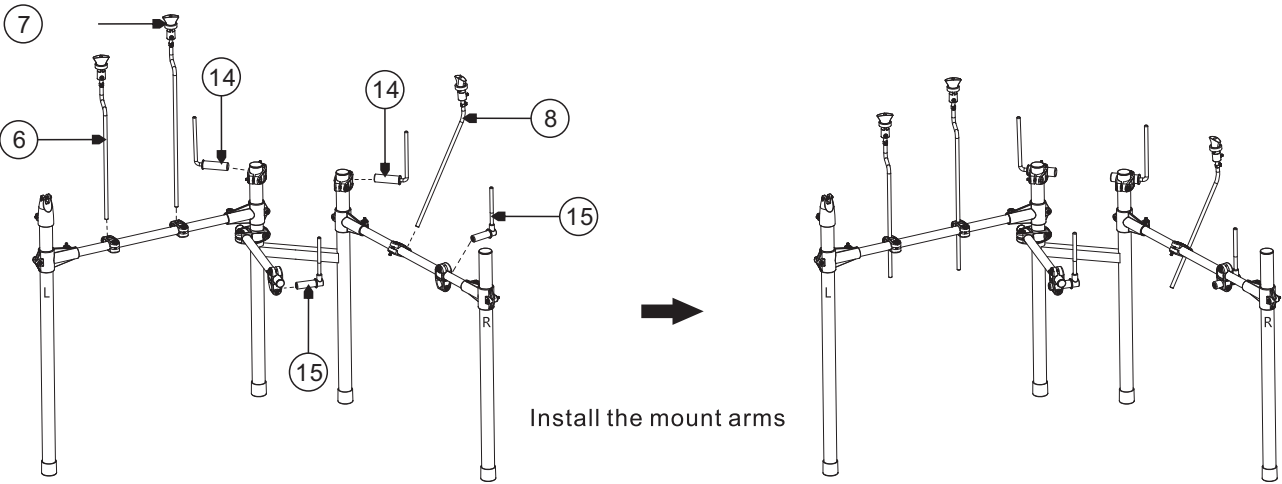
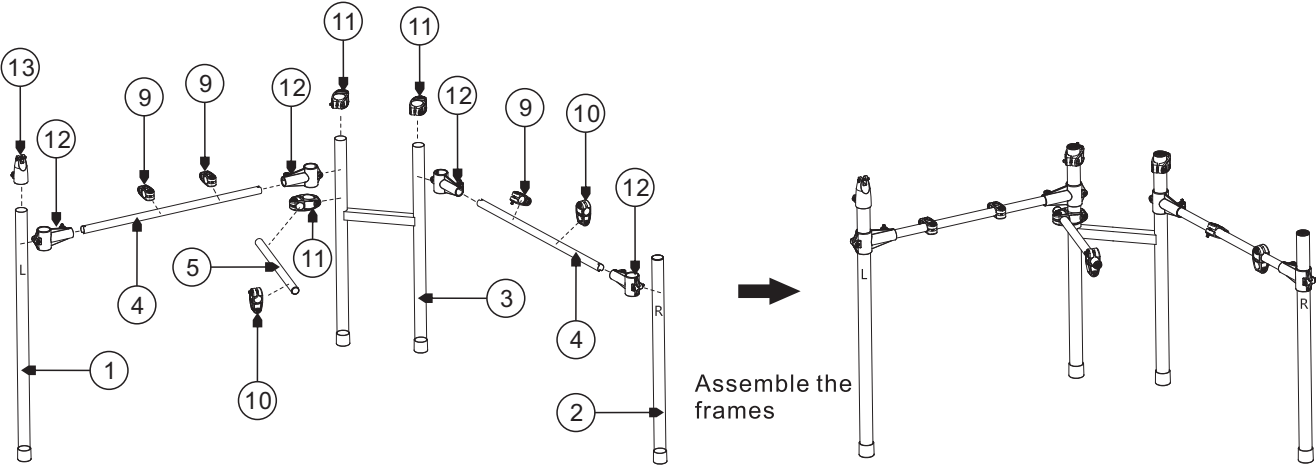


㉖ NBT-1 Bluetooth Adaptor x1

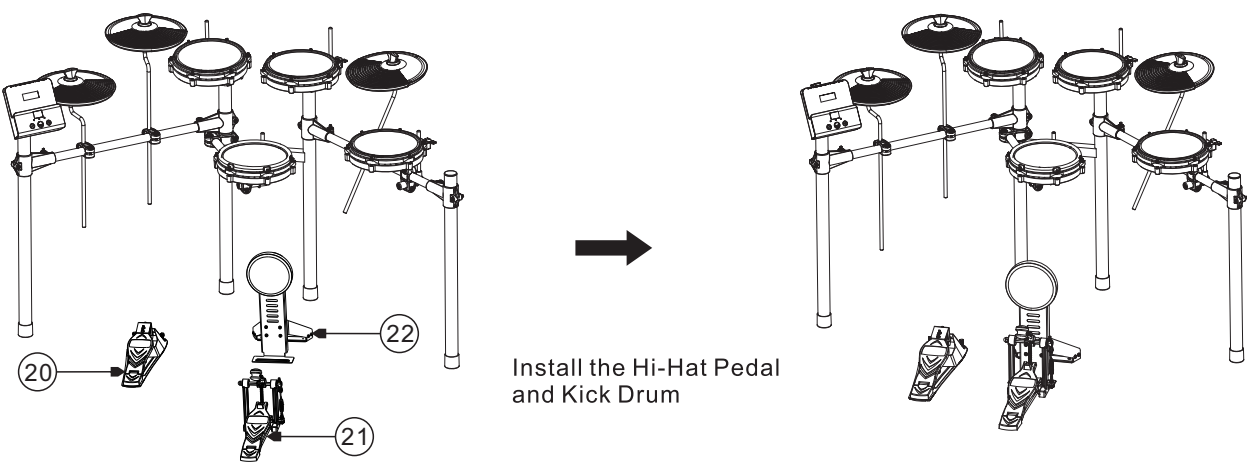


㉗ Drum Key x1

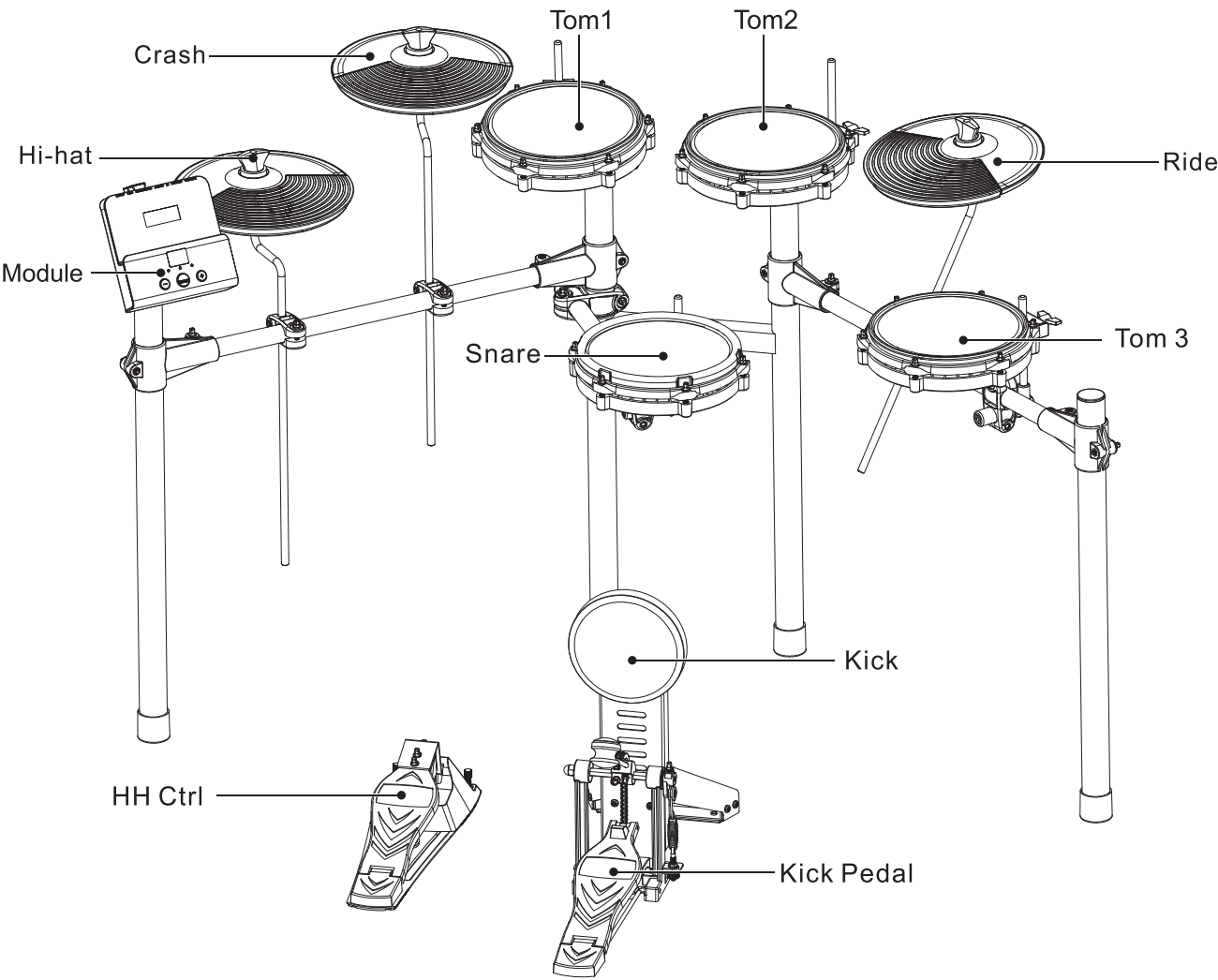
QUICK INSTALLATION GUIDE



QUICK INSTALLATION GUIDE



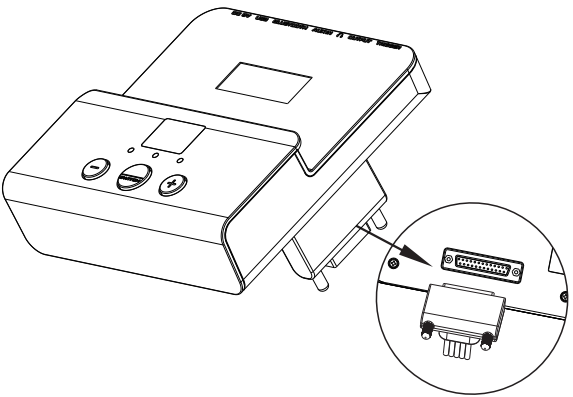
Installation Complete



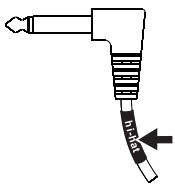
QUICK INSTALLATION GUIDE

Drum Connection

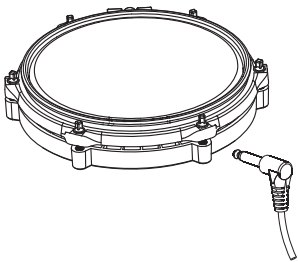
1. Connect the cable to sound module as shown in the illustration. Insert the connector all the way, then turn the knobs to fasten it securely.



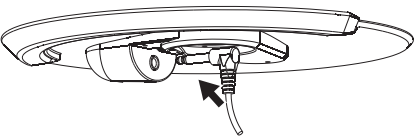
2. Labels indicating the pad to be connected are attached to the cables. Connect the cable to the output jack of each pad as shown in the illustration.



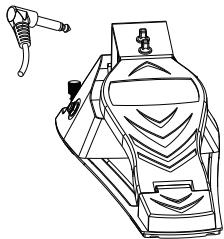
Connect the drum pad:



Connect the cymbal pad:



3. Connect the hh ctrl and kick.

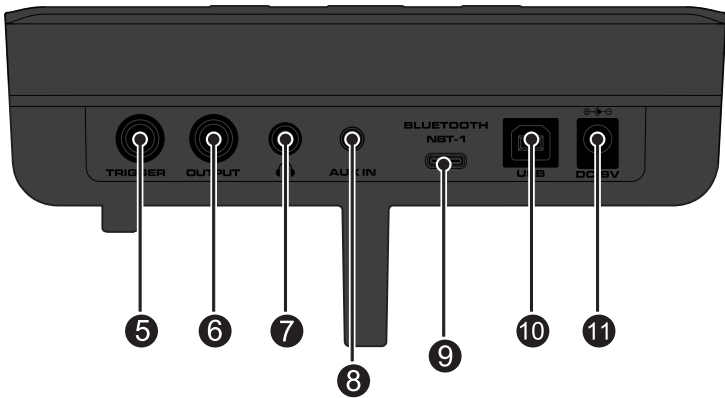


Notes: To prevent malfunction and equipment failure, please always turn down the volume, and turn off all the units before making any connections.

CONTROL PANEL

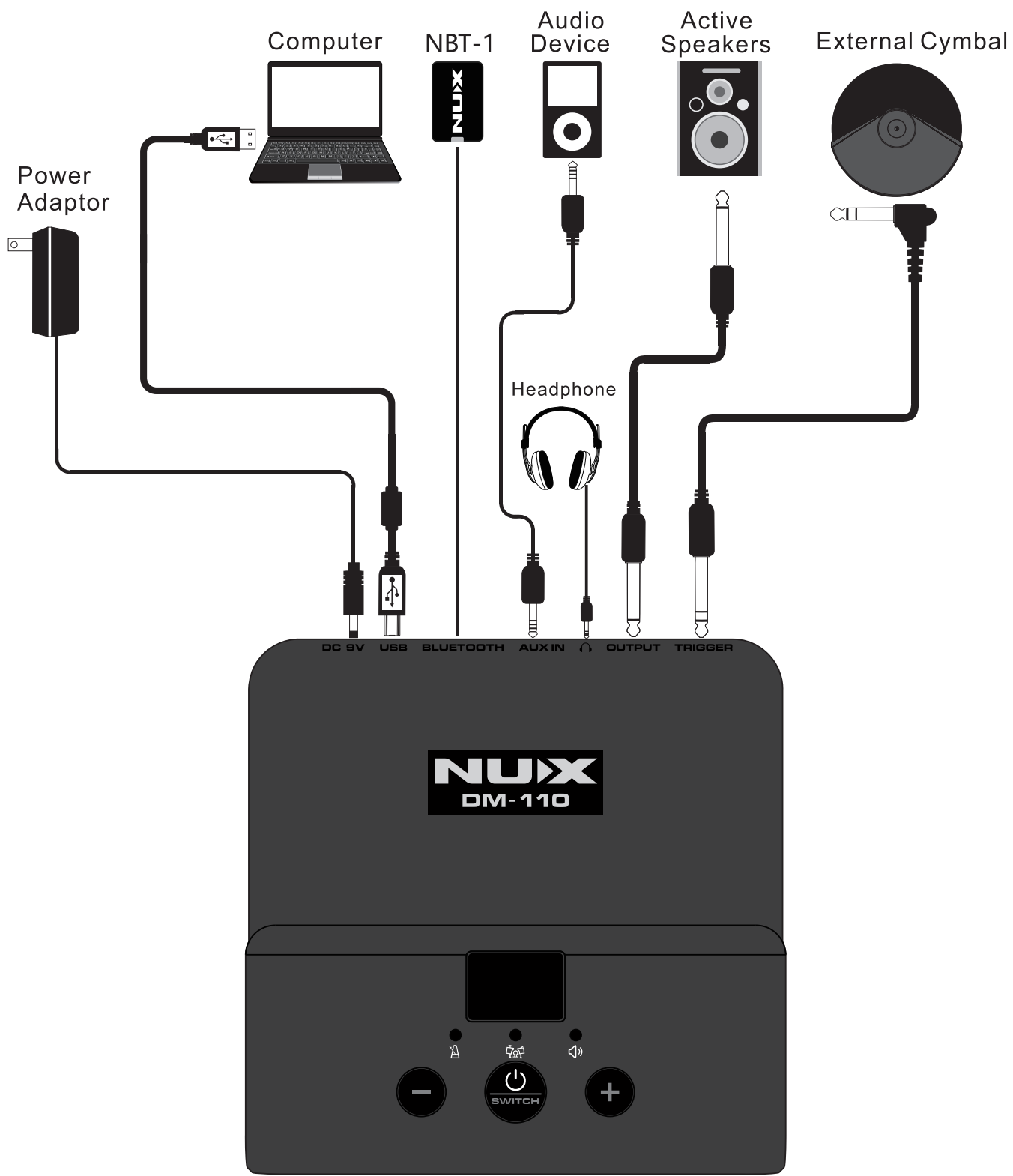


- 1. Display
- 2. Operation Button
- 3. Power/Switch Button
- 4. Operation Button



- | | |
|-----------------------|-----------------------|
| 5. Trigger Input | 9. NUX BLUETOOTH |
| 6. Output Jack (Mono) | Module NBT-1 Input |
| 7. Headphone Output | 10. USB-B |
| 8. AUX Input | 11. Power Input DC-9V |

AUDIO CONNECTION



Notes: To prevent malfunction or damage to this device, please set the volume to minimum and turn off the power before starting up or connecting to other devices.

READY TO PLAY

*Power ON

1. Please set the output device's output volume to the minimum level.
2. Turn on the power of DM-110.



Notes: When powering on, it is normal to hear a small noise from the connected speakers. This is a standard phenomenon during startup.

3. Adjust the volume to your preferred level by striking the drum pads and cymbals, or by increasing the output volume of the connected speakers.

*Power OFF

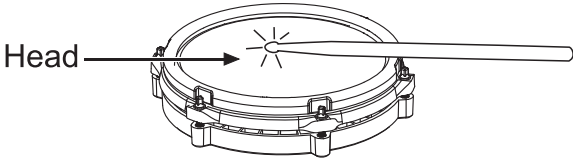
1. Please set the output device's output volume to the minimum level.
2. Turn off the power of connected speakers.
3. Turn off the power of DM-110.



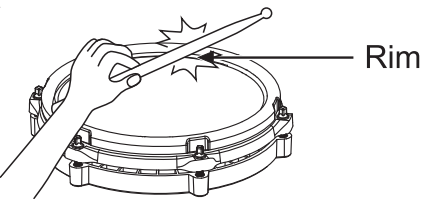
READY TO PLAY

* Snare

Head shot

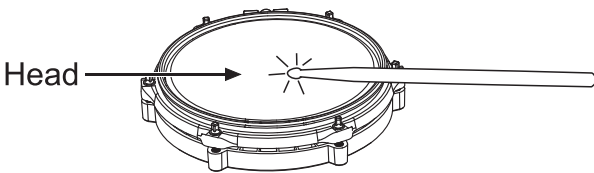


Rim shot



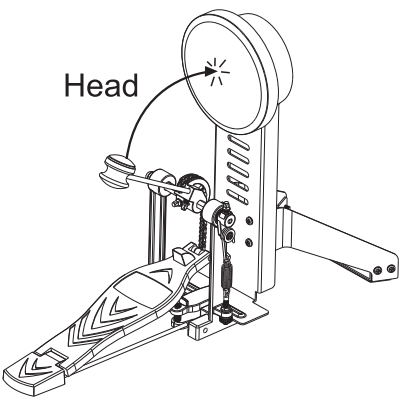
* Tom

Head shot



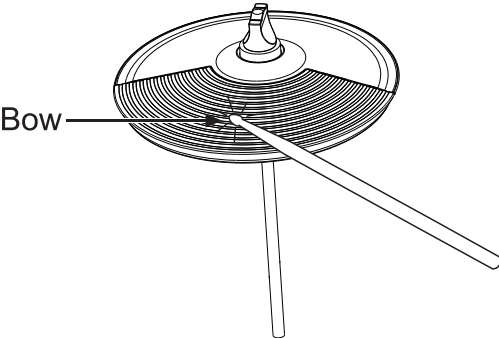
* Kick

Hit the drum head

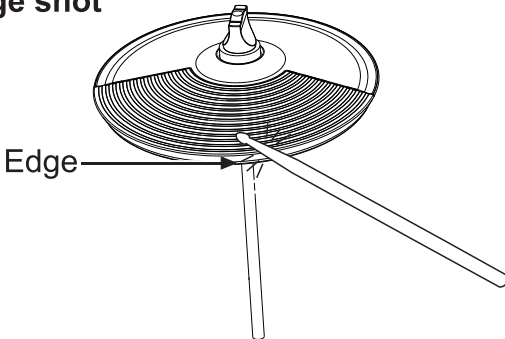


* Crash Ride

Bow shot

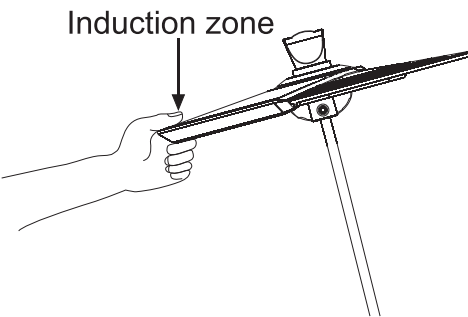


Edge shot



Choking a cymbal

Choking the cymbal's edge with your hand immediately after hitting it will effectively mute or choke the sound, similar to the technique used with real cymbals. This choking function is designed to work only when you grasp the cymbal in that specific area, allowing for realistic control over the sound produced.



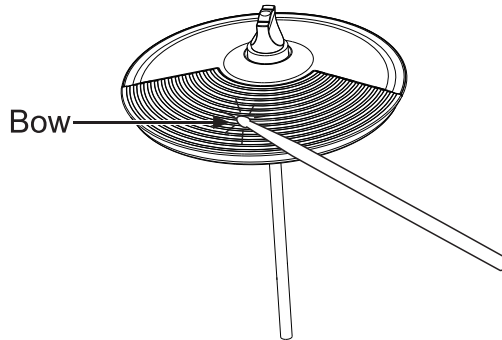
READY TO PLAY

* Hi-hat

Open/Closed

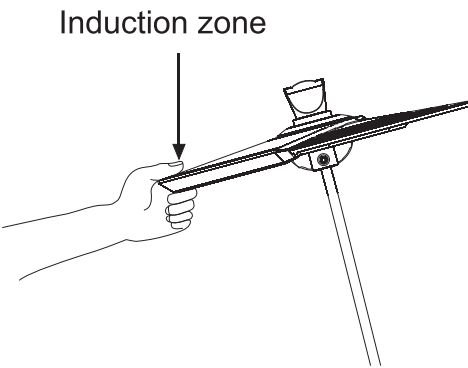
The tone of the hi-hat varies between open and closed positions, influenced by the pressure applied to the hi-hat pedal and the interaction with the hi-hat blade.

Bow shot

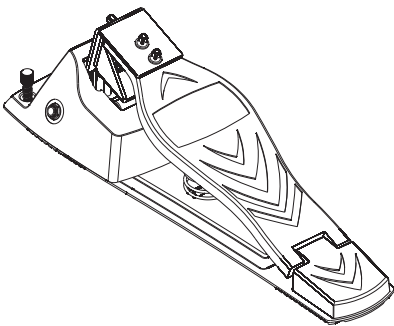


Choking a cymbal

Choking the cymbal's edge with your hand immediately after hitting it will effectively mute or choke the sound, similar to the technique used with real cymbals. This choking function is designed to work only when you grasp the cymbal in that specific area, allowing for realistic control over the sound produced.



* HH Ctrl



Open hi-hat

Strike the hi-hat without pressing the pedal.

Closed hi-hat

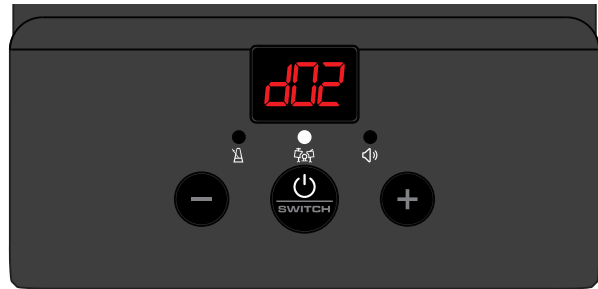
Strike the hi-hat with the pedal pressed.

OPERATION

*Drum Kit Operation

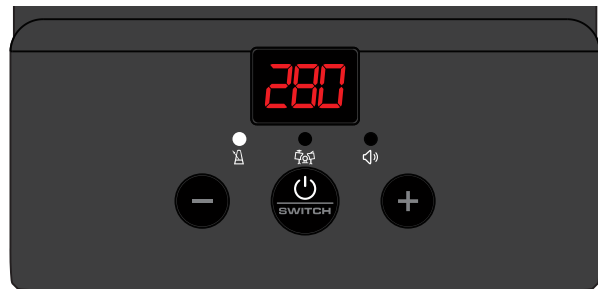
Drum Kit

Press the Power/Switch button to activate the drum kit mode,indicated by the illuminated center light(as shown in the diagram). Press the “-” and “+” buttons to select different drum kit sounds.



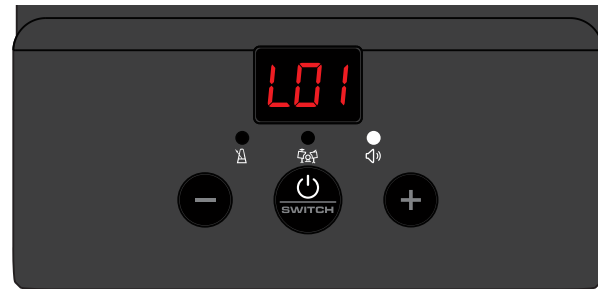
Metronome

Press the Power/Switch button to activate metronome mode,indicated by the left-side light(as shown in the diagram). Use the “-” and “+” buttons to adjust the metronome tempo.To turn off the metronome,press the Power/Switch button again.



Output Volume

Press the Power/Switch button to activate volume mode,indicated by the right-side light (as shown in the diagram). Use the “-” and “+” buttons to adjust the output volume.



*APP(Drum Touch)

After downloading and installing the app, connect your E-drum to your smartphone or pad, and you can control the E-drum through the app.



Scan the QR code to download the DM-110 app.

*For comprehensive instructions on using Drum Touch and its features, please refer to the "Drum Touch User Guide" available on our official website - www.nuxaudio.com

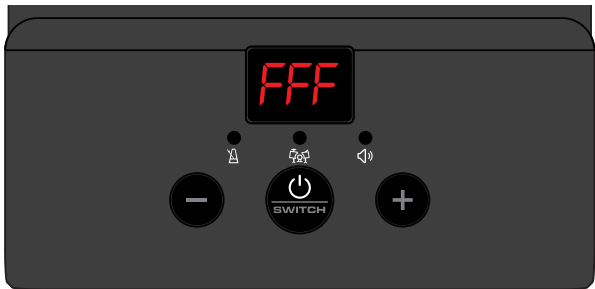
*TRRS Record

- 1. Use a 1/8" TRRS cable to connect the AUX IN of the DM-110 to your mobile phone or iPad.
- 2. Open the recording app (such as the camera video) on your mobile phone or iPad. After pressing the record button, begin playing. The audio will be recorded onto your device.

*Notes: Please use a 1/8" TRRS cable for TRRS record; otherwise, audio may not be recorded to your phone/iPad.

*Reset

When powered off, press and hold both the “-” and “Power/Switch” buttons until the screen displays “FFF”. This will restore the DM-110 to its factory settings.



MIDI LIST

Function		Transmitted	Recognized	Remarked
Basic default		10	10	
Channel changed		Yes	Yes	
Note		0-127	0-127	
Velocity:	Note on	Yes	Yes	
	Note off	Yes	Yes	
After Key's		No	Yes	
Touch Channel's		No	Yes	
Control change:	0	No	Yes	Bank select
	1	No	Yes	Modulation
	5	No	Yes	Portamento time
	7	No	Yes	Volume
	10	No	Yes	Pan
	11	No	Yes	Expression
	64	No	Yes	Sustain pedal
	65	No	Yes	Portamento on/off
	66	No	Yes	Sostenuto pedal
	67	No	Yes	Soft pedal
	120	No	Yes	All sound off
	121	No	Yes	Reset all controllers
	123	No	Yes	All note off
Program change		No	Yes	
System exclusive		No	Yes	

SPECIFICATION

- Display: LED Segment Displays
- Drum kit: 12 Presets, 3 Users
- Effect: Master EQ, Reverb
- Pads: 8" Snare x 1, 8" Tom x 3, 10" Cymbalx3, Kick x 1,Hi-hat pedal x 1
- USB: USB audio, USB MIDI
- Interface: USB, Trigger, BLUETOOTH module, Aux in, OUTPUT MONO, DC in, Phones
- Power: DC 9V external positive and internal negative,
The working current is less than or equal to 200 mA

*Technical specifications are subject to change without notice.