Yodrum

Owner's Manual

INFORMATION FOR YOUR SAFETY!

Welcome to YoDrum!
Please read this manual carefully so you can get the most out of this smart digital drum.

THE FCC REGULATION WARNING (for USA)

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

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

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

CAUTION

Strong electro magnetic interference may disturb the normal function of YoDrum. If this occurs, simply reset the product to resume normal operation by following the directions in the owner's manual. If normal function does not resume, you may need to move YoDrum to other location.

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

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

Power Supply
Connect the designated AC adaptor to an AC outlet of the correct voltage.

Do not connect it to an AC outlet of voltage other than that for which your instrument is intended.

Unplug the AC power adaptor when not using YoDrum, and during electrical storms.

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

Location
In order to prevent deformation, discoloration, or more serious damage to your YoDrum, avoid exposing YoDrum to the following conditions:

- Direct sunlight
- Extreme temperature or humidity
- Excessive dust or dirt
- Strong vibrations or shocks
- Strong magnetic fields

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

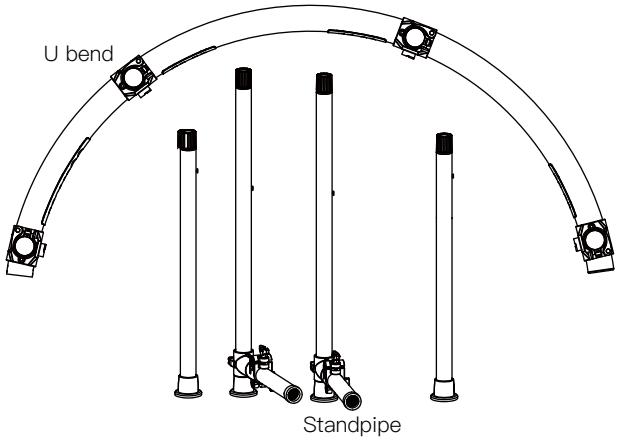
Cleaning
Clean only with a soft, dry cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical-soaked wiping cloths.

Always keep YoDrum clean and dry. Never perform in the rain or places of heavy moisture.

Normal operation

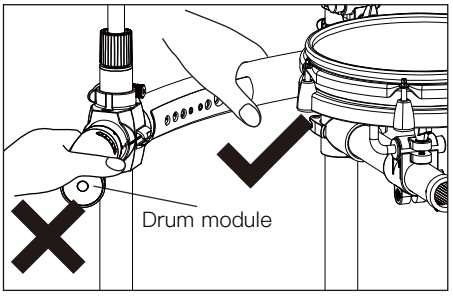
Drum Stand

Be careful not to strain the components during assembly. The buttons are designed to snap in, and the pipes should fit snugly without excessive force.



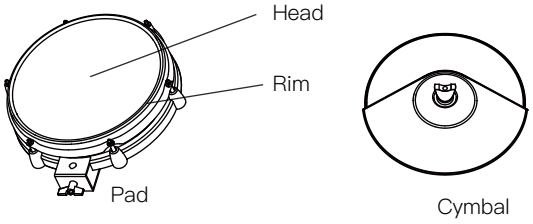
Drum module

Take care to keep the drum module from being hit, which may cause serious damage.
Install and remove the module correctly according to the directions in the Set Up manual.
Disconnect all cables before moving YoDrum. Do not lift YoDrum by the module.



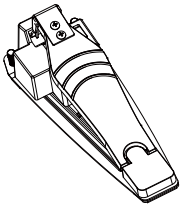
Drum pads and cymbals

Use standard drum sticks to play your YoDrum. Do not use any sharp or heavy objects on the pads or cymbals.



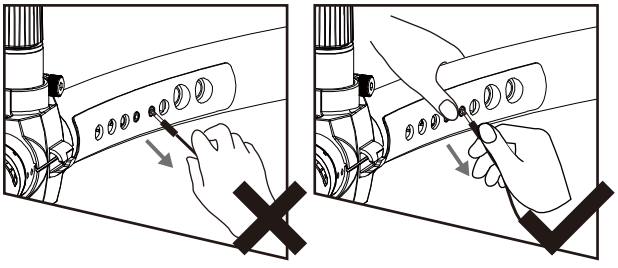
Hi-Hat pedal

To prevent scratching or other damage to the hi-hat pedal, do not use with shoes that have hard or sharp soles.



Cables

Plug the cables to the corresponding jacks correctly.
Hold the U bend steady, then take the cables out gently.



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Intuitive Structure

YoDrum features an intuitive streamlined design. The central U bend is supported by 4 legs for a stable structure that also makes the most use of space.

User-friendly Interface

The drum module features 4 user presets so you can jump right to your favorite kit or metronome settings. With just 8 buttons and 1 data dial, it's easy to set up different kits and beats, all without having to dig through menus.

Wireless connection APP

YoDrum connects wirelessly with our customized APP. Whether you're a beginner or a master, there is lifetime's worth of useful content to use with your YoDrum in your own way.

Boundless Voice Expand

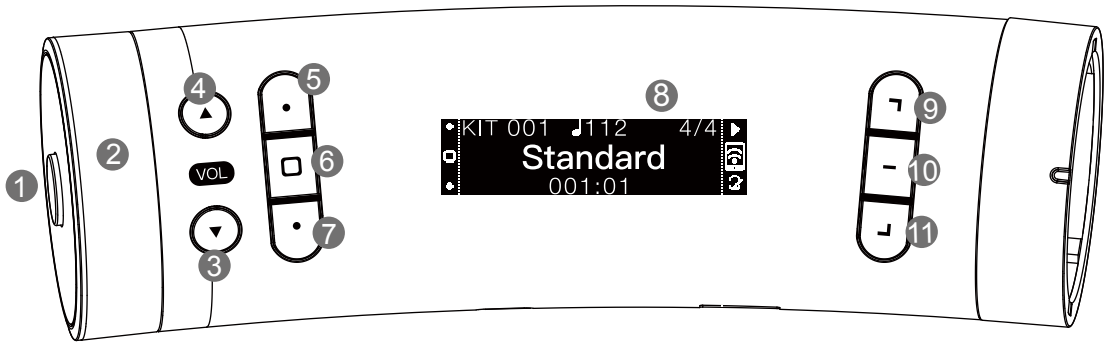
YoDrum comes with 6 great sounding drum kits; you can download more kits on the APP. You can even record your own samples and set up a custom kit!

http://yun.yodrum.com/t/yoDrumFun/dlEn.html

powered by MEDELI

Panel Description

Front panel



No.	Component	Kit	Song	Tempo	Beat	USB
1	Power	Power on/off				
2	Data dial	Select kit	Select song	Adjust tempo	Select beat	Select USB song
3	[VOL -]	Master volume	Song volume	Metronome	Metronome	Song volume
4	[VOL+]			volume	volume	
	Function button(L)	Main menu				
5	○Top	[L1]: To previous menu				
6	□ Middle	[L2]: To drum menu				
7	○ Bottom	[L3]: To next menu				
8	Display	Shows the detailed information of drum kit, song, tempo, beat. And also other related information when editing in other modes.				
9	Function button(R)					
10	¬	[R1] Play/Stop the accompanied song				
11	–	[R2] WIFI and hotspot connection				
	⌟	[R3] Switch metronome on/off				

* WIFI symbol guide:

No connection with WIFI or hotspot

Connected with WIFI, but no APP connection

Connected with mobile APP via hotspot

Connected with mobile APP

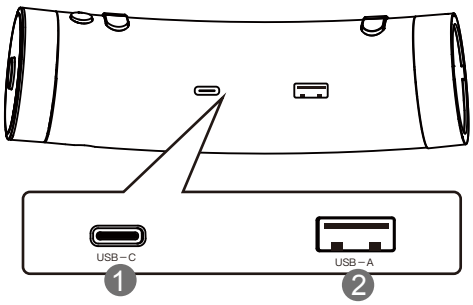
NOTICE:

1. For energy conservation, please keep the volume at a relatively low level.
2. To prevent electric shock or damage to the module, switch off the power before connecting the cables.
3. Press the power button to turn off the unit before unplugging the AC adaptor.

Rear panel

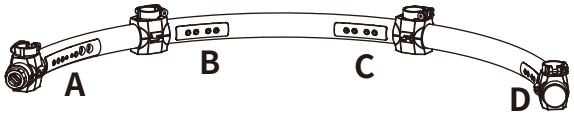
1. USB-C: USB To Host jack
   To connect to computers or mobile devices, then YoDrum will function as a USB MIDI or USB audio device. When connected, you can set YoDrum as an output to play MIDI or audio files.

2. USB-A: USB To Device jack
   To connect to USB storage devices, such as USB flash memory, and play songs stored on them.
   This port can also charge devices (such as phones) connected to it (5V/500mA).



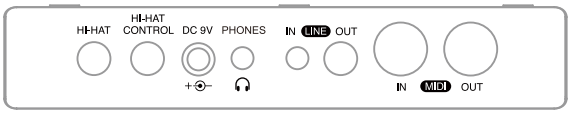
Connectors

YoDrum features four groups of connectors located on the U bend. Plug the cables into the corresponding jacks as labeled:



A:

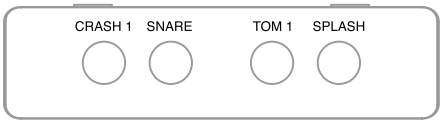
Jack	Function
Hi-Hat	Connect Hi-Hat cymbal
Hi-Hat Control	Connect Hi-Hat Control
DC 9V	Connect the adaptor
PHONES	Connect stereo phones to hear sound from all connected equipment
LINE IN	Connect external audio device
LINE OUT	Connect to audio system or amplifier
MIDI IN	Receive YoDrum MIDI data or receive MIDI data from an external MIDI device or computer
MIDI OUT	Send YoDrum MIDI data or send MIDI data to an external MIDI device or computer



NOTICE:
The last connected MIDI will be the default MIDI I/O. If the currently selected MIDI is disconnected, then the MIDI will be rearranged according to its priority. If Bluetooth and USB MIDI are all disconnected, then it will select the standard MIDI I/O.

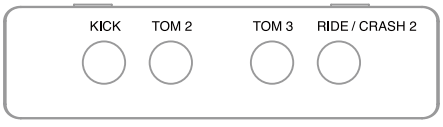
B:

Jack	Function
CRASH 1	Connect CRASH1 cymbal
SNARE	Connect SNARE pad
TOM1	Connect TOM1 pad
SPLASH	Connect extra SPLASH cymbal



C:

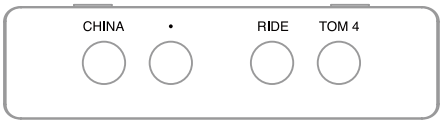
Jack	Function
KICK	Connect KICK pad
TOM2/3	Connect TOM 2/3 pad
CRASH2/RIDE	Connect CRASH2 or RIDE cymbal



NOTICE:
If your YoDrum is a standard model (with three cymbals and five pads), then we recommend plugging in the RIDE cable here. If your YoDrum has a CRASH2 then you should plug in the CRASH2 cable here and plug in your RIDE cymbal to Group D.

D:

Jack	Function
CHINA	Connect CHINA
●	Reserved
RIDE	Connect RIDE cymbal
TOM4	Connect extra TOM4 pad

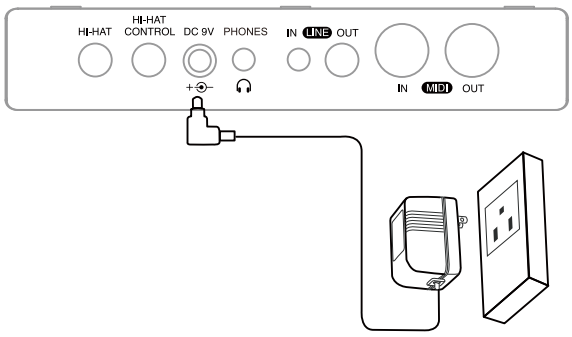


Getting Ready to Play

Setting up the Power Supply

1. Plug the power adaptor into an appropriate AC outlet.

2. Connect the DC plug to the DC 9V jack in Group A.



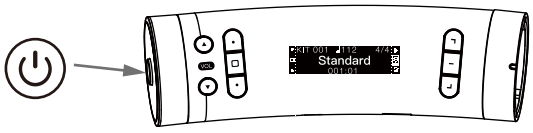
NOTICE:

1. Please use the specified AC adaptor.
2. To prevent damage to the hardware, first use the power button to power off the unit before unplugging the AC adaptor.
3. Even when the module is turned off, electricity is still flowing in the module at a minimum level. Please unplug the module when it is not in use for a long time.

Turning the Power On/Off

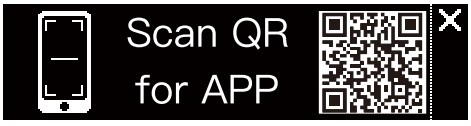
Make sure you have completed all necessary connections (triggers, audio, etc.).

1. Press the power button on the left side of the module to power on.
Press and hold the power button again to power off.



2. It might take a few minutes to complete the WIFI connection the first time you boot up.

3. Scan the QR code to download the APP and then press the R3 button to continue.



NOTICE:

About the Auto Power Off Function

For energy conservation and environmental protection, this function automatically turns the power off if there isn't any operation (eg. playing, striking, button pressing) within 30 minutes.
Press and hold the L1 button and then press the power button to disable this function. The screen will show you “Auto Power Off Disabled!”
You can adjust more settings on the YoDrum Pro APP.

WIFI connection

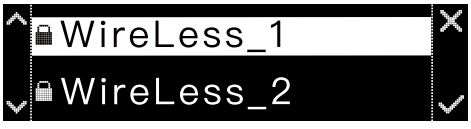
1. WIFI connection guide
➡ : Press the R3 button to start WIFI search.
⬅ : Press the R1 button to go back to previous page to the QR code.

NOTICE:

This page only appears the first time you boot up.
The next time you load this page, you go directly to the QR code page.

2. WIFI search
Start WIFI search when you press the R3 button ➡.

3. Selecting a WIFI connection
Rotate the data dial and select a WIFI host.



Display	Function description
^	1. Rotate direction; 2. Back to previous page
v	1. Rotate direction; 2. Enter the next page
✓	Connect to the WIFI selected
✗	Exit the current menu

4. Inputting password and connecting to WIFI

Display	Function description
⇧	Caps lock
②	Shift to numerals
③	Shift to alphabet
↵	Input the selected character
✓	Connect
⌫	Delete character. When you delete all the characters, it will return to the WIFI list.

When you finish inputting the password, press " ✓ " to connect. When successfully connected, the screen will display "OK".

5. Unsuccessful connection

Connection failed

If the WIFI signal is too weak to be used, the screen will display "Connection failed" and go back to the WIFI list so you can select another WIFI.

Invalid password

If you input a wrong or invalid code, the screen will display "Invalid password" and return to the password input interface.

Hotspot connection

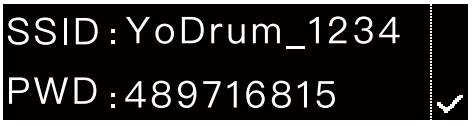
If there is no WIFI or all the listed WIFI are unavailable, you can use the YoDrum hotspot connection.
You can also enter the hotspot connection interface before searching WIFI.

1. Enter hotspot connection

When you failed to connect to WIFI, press the R2 button " ⛓ " to enter the hotspot connection interface.

2. SSID

When you enter this page, the screen will display the SSID and password.
Select the SSID and then input the password to connect.



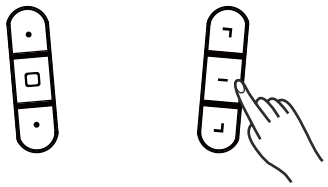
3. Connected

When you finish connecting, the screen will display "Connected".

NOTICE:

For more advanced settings, please connect YoDrum with the APP.
See more in Smart Applications. We recommend you select a steady WIFI and download the APP on your first boot.

4. Changing WIFI
If you need to change networks, press the R2 button and follow the instructions below.



Already Connected to WIFI
Displayed icon:

1) After pressing the R3 button, the screen will display the currently connected WIFI.

2) Press the R1 button to disconnect.

3) Press the L1 button to open the APP download QR code interface.

Not connected to WIFI
Displayed icon:

Press the R2 button, which will remind you to connect to WIFI.

1) Press the R1 button to exit the current page.

2) Press the L1 button to open the APP download QR code interface.

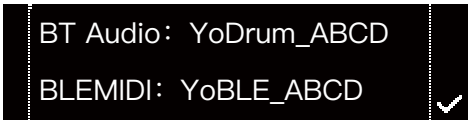
NOTICE:
When YoDrum has connected to WIFI, your smart device can simultaneously connect with YoDrum via hotspot. If you are connected to both, there will be two different working statuses displayed when you press the R2 button.

5. BlueTooth device names
You may need to know the BlueTooth device name of your YoDrum, please refer to the following steps:

1. Press the R2 button at the main screen.

2. Press the L3 button at the new screen.

“BT Audio” is the A2DP device name of your YoDrum. If you need to play back music from a mobile smart device on YoDrum via BlueTooth, you can select the device accordingly on your smart device.



“BLE MIDI” is the BlueTooth BLE MIDI device name of your YoDrum. If you need to output the MIDI message from YoDrum to other applications software that support BlueTooth BLE MIDI devices, you can choose the name accordingly in the MIDI device list of the software.

YoDrum is loaded with 6 drum kits, each featuring a different style.

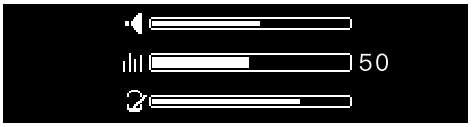
Selecting a Drum Kit

1. Press the L2 button to directly enter the drum kit menu from any menu.
You can also press the L1 or L3 buttons to scroll between menus.

2. Rotate the data dial to select a desired kit.

Adjusting the Volume

Press " ▲ "or " ▼ " to enter the volume interface.
Use the left three function buttons to select the parameter you want to adjust. Press " ▲ " to increase, press " ▼ " to decrease the volume. Or, rotate the data dial for faster control.



	Master Volume
	Song Volume
	Metronome Volume

Creating Your Own Kit

In addition to the 6 preset drum kits, you can also download "YoDrum Pro" to record your own kit voice and do more detailed editing.

Different icons in kit interface:

	Purchased kit
	User created kit

Preset kits have no specified icon.

Playing Techniques

Just like an acoustic drum kit, YoDrum responds differently to various playing techniques and dynamics. All the pads are velocity sensitive, and some voices change timbre depending on the strike force.

Pad
The snare and tom drum pads can both detect head shots and rim shots.

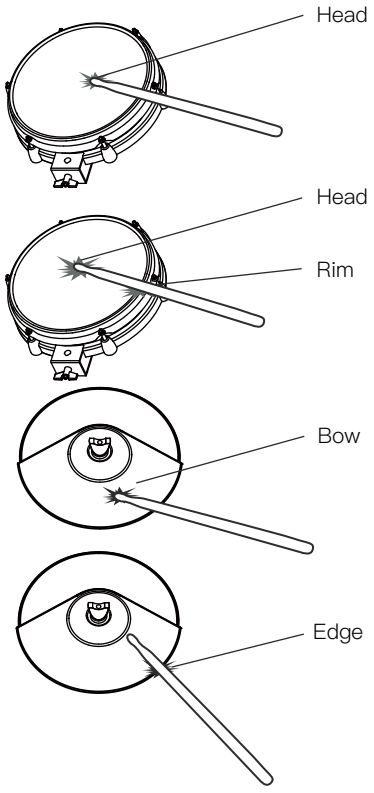
Head Shot
Strike only the head of the pad.

Rim Shot
Strike the head and the rim of the pad simultaneously.
Or strike only the rim of the pad.

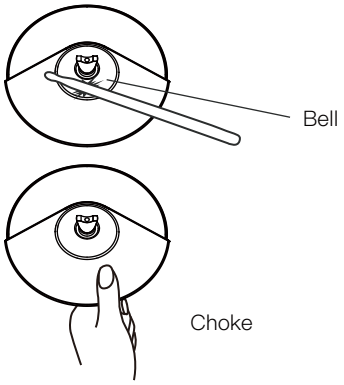
Cymbal

Cymbal Bow Shot
Strike the middle area of the cymbal.

Cymbal Edge Shot
Strike the edge area of the cymbal.



Cymbal Bell Shot
Strike the bell area of the Ride cymbal.



Choke Play
Choking the crash/ride edge with the hand immediately after hitting the crash/ride mutes the crash/ride sound.
Both Ride and Crash cymbals have cymbal choke. Hi-hat has no cymbal choke function.

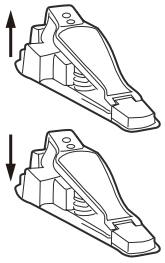
Hi-Hat

Hi-Hat Pedal Change
The voice of the Hi-Hat cymbal will vary as you hit it when the foot pedal is pressed down in different positions. It responds similarly to the way an acoustic hi-hat does.

Open Hi-Hat
Strike the Hi-Hat pad without pressing the pedal.

Closed Hi-Hat
Strike the Hi-Hat pad with the pedal pressed completely down.

Hi-Hat Pedal
Press down the Hi-Hat controller pedal to create a foot-close sound without striking the Hi-Hat pad.



Song

YoDrum comes with 20 preset songs.
You can also download user songs from a USB flash drive to the module (please refer to USB chapter). Select your favorite songs and play along with them.

Selecting a Song

1. Press the L1 button to enter the song interface.

2. Rotate the data dial to select songs.
Adjust the song volume by pressing “+” and “-” buttons.

3. Press the R3 button to start/stop song playback.

4. Icons displayed in song menu:

♩112	Tempo
4/4	Time signature
001:01	MIDI measure: beat

Playing Along with a Song

1. Select a song from the preset list or from your USB disk, then press the R1 button to start playing along with the song.

2. Press the R3 button to start or stop the metronome.

Tempo

The tempo value shows how many times the song beat or metronome track is played per minute (BPM).
Changing the tempo will change the song MIDI or USB MIDI file play back speed. Adjust the tempo to your desired speed and play along with it.

Adjusting the Tempo

1. Press the L3 button to switch to the tempo menu.

2. Rotate the data dial and adjust the value to your desired level. Tempo range: 30-280 BPM.

3. Press the " ▲ " and " ▼ " button at the same time to return to the default value of the current song.

NOTICE:

1. You can switch the metronome on/off in any menu but you can only adjust the BPM value in the tempo menu.
2. For beginners, we recommend a relatively slow tempo for steady progress.

Beat

YoDrum comes with 5 commonly used beats: 2/4, 3/4, 4/4, 6/8, 3/8.
You can select a beat and start your practice or performance.

1. Press the L3 button to enter the beat menu.

2. Select a beat as needed.

3. Press the R3 button to switch on/off the metronome.

NOTICE:

1. For more beats and metronome voices, please download "YoDrum Pro".
2. The metronome sound will only be heard from the headphones and muted in the AUX OUT.

USB Disk

Play along with your favorite songs with USB function.

1. Insert a USB disk. The USB menu will appear on the display.

2. Songs in the root directory will be displayed.
Rotate the data dial and select a song.

3. Press the R1 button to start/stop playing.
Supported song files: MIDI (SMF 0, 1) or MP3.

4. When you insert an empty USB or if the USB song file is not supported, song play will not available.

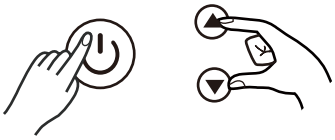
NOTICE:

1. Make sure your USB disk is correctly inserted into the module port.
2. Supported USB format: 4G-128G FAT32.

Factory Reset

In the factory reset menu, you can restore either user settings or user data. You can also select to reset them both.

1. Press and hold volume " ▲ " and " ▼ " buttons, and then press The power button to enter the factory reset menu.



2. Press the R3 button " ✓" to enter.
If you choose to exit, it will return to the drum kit menu.

3. Rotate the data dial and select an item:

Item	Description
User Setting	Trigger, voice and other parameter settings
User Data	User songs, kits and voices
All	All of the above

4. Press the R3 button " ✓" to begin the reset.

5. YoDrum will return to the kit menu when the reset is complete.

NOTICE:

1. To prevent damage to the hardware, always keep the power on during a reset process.
2. All deleted data cannot be recovered.
3. Backup all important files before performing a reset.

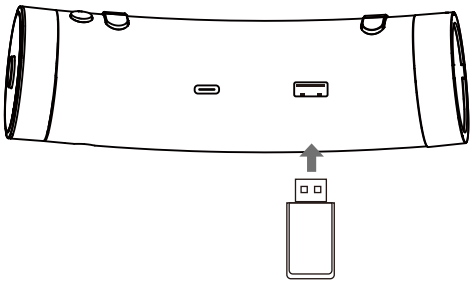
Firmware Updates

Updating YoDrum's firmware will optimize the instrument and improve your playing experience.
Firmware updates will be released through the official website, so remember to check it regularly.

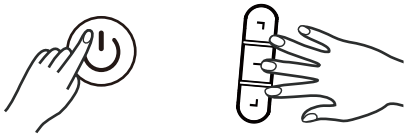
With USB Disk

If you are using a USB disk to make the update, make sure the drive has been formatted to FAT32 and that all the update files have been loaded onto it.

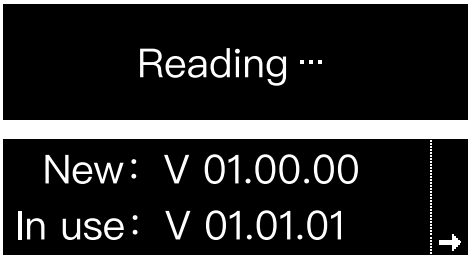
1. Insert the USB disk into the USB-A jack on the rear panel.



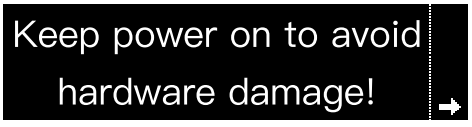
2. Press and hold the three right function buttons, and then press the power button to enter the firmware update menu.



3. The screen will display information about the current and new firmware versions.

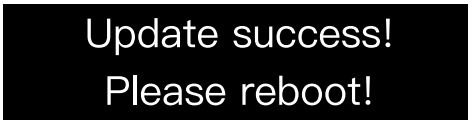


4. Press the R3 button "➡" to continue.
Make sure you are connected to a stable power supply.

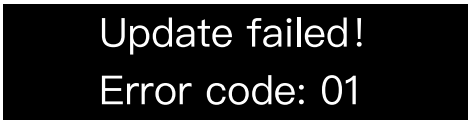


5. The firmware update installation may take a few minutes.

6. Reboot YoDrum after the installation is complete.



7. If unsuccessful, please restart from the first step.



Smart Applications

With the APP download, you can greatly enhance your YoDrum experience.

YoDrum Pro is made for the professional drummer with more specialized needs.

You get access to more beat types, voice parameter settings, wireless audio and MIDI recording options.

You can scan the QR code to download the APP for YoDrum.

Specifications

	G1	G1 Pro
Trigger		
Kick	12", mesh	
Snare	10", mesh, head & rim multi-sensor	
Tom1-3	8", mesh, head & rim multi-sensor (x3)	
Tom4	n/a	10", mesh, head & rim multi-sensor
Hi-Hat	10", choke & bow multi-sensor	
Crash	12", choke, edge & bow multi-sensor	12", choke, edge & bow multi-sensor (x2)
Ride	12", choke, bell, edge & bow multi-sensor	
Expansion	Splash cymbal, China cymbal	
Smart Controller		
Polyphony	256	
Preset kits	6 preset drum kits	
User sample memory	approx 63Gb (share with other user contents)	
Preset instruments	178 perset drum voices, 128 GM voices	
DSP	Reverb, Chorus, Compressor, EQ	
Tempo	30 ~ 280 BPM	
Display	Dot-matrix OLED display	
WIFI	2.4G WLAN 802.11b/g/n, with AP hotspot function	
Bluetooth	BlueTooth 4.0, A2DP & BLE MIDI profile	
Other		
Connectors	USB to host (USB type C, USB MIDI & Audio interface), USB to device (USB type A, MSD) Line Out (6.5mm Stereo), Line In (3.5mm Stereo), Phones (3.5mm Stereo) MIDI IN & OUT (DIN)	
Power supply	DC 9V, 800mA	
Dimentions	1210 x 650 x 1060mm (adjustable)	1290 x 760 x 1060mm (adjustable)
Gross weight	29 Kg	31 Kg

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

Appendix

Song List

NO.	Name
1	Ballad 1
2	Funk Shuffle
3	Groove
4	Pop
5	Bossa Nova
6	Samba
7	Fusion
8	Downtempo
9	Pop Shuffle
10	Latin
11	Salsa
12	6/8Soul
13	Blues Funk
14	Cool Jazz
15	Ballad 2
16	Big Band
17	Jazzy Funk
18	Hard Rock
19	Reggae
20	Country Pop

Drum Kit List

NO.	Name
1	Standard
2	Rock
3	Brush
4	Dubstep 2
5	R&B
6	Percussion

Error Code Message

Error code	Message information	Solution
255	Invalid update files	Re-download update files
254	Reading USB disk failure	Change or reformat USB, supports only FAT32
253	Internal flash failure	Check the hardware or get maintenance
1	Error response	Check the hardware or get maintenance
2	Writing SD card failure	Check the hardware or get maintenance

Troubleshooting

Problem	Possible Cause and Solution
No sound	To be sure that the volume is not set too low.
No sound from Pads	To be sure that the pad is connected correctly.
No sound from Metronome or Song Playback	To be sure that the volume of Metronome or music is not set too low.
The Pad volume doesn't match the Songplayback volume.	Adjust the song playback volume to match the pad volume.
Cannot connect to the computer	1. Make sure that the USB has been correctly connected. 2. Re-connect. Keep the computer on, and then turn the module on, then connect the USB cable.
Unrecognized USB disk	1. Make sure that the USB has been correctly connected. 2. Make sure that the USB is in FAT32 format.
Cannot connect toAPP	1. Make sure that your smart device is connected to the same WIFI as YoDrum. 2. Checkif the WIFI signal is strong enough.
No sound from either Phones or Line Out	To be sure that the corresponding output volume in YoDrum Pro is not set too low.

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