

# **MOCER**

***HORNET 05i***

**INTELLIGENT AMP**

**Owner's Manual**

# CONTENTS

PRECAUTIONS-----	01-02
FEATURES-----	03
LAYOUT-----	04-05
CONNECTION-----	06
QUICK START-----	07
INSTRUCTIONS-----	08
MOOER iAMP App-----	09-10
MOOER F4 WIRELESS FOOTSWITCH-----	10-13
OTGR ECORDING/PLAYBACK-----	19-21
TONE-----	15-20
SPECIFICATIONS-----	21

# PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

## Power Supply

Please connect the DC POWER Supply to an AC outlet of the correct voltage. Please be sure to use only an AC adapter that supplies 7.8V ( $\pm 5\%$ ) DC, center negative, 2000mA current draw. Unplug the AC power adapter when not in use or during electrical storms.

## Connections

Always turn off the power of the amplifier and other devices before setting up the connection to avoid malfunction and unexpected damage. In addition, before you move the amplifier, please ensure the amplifier is powered off, and disconnect it from the other device.

Please power off the amplifier, and unplug the power supply, if the amplifier is idle for a long time. Please do not use the amplifier during an electrical storm, power off the device and unplug the power cord from the socket.

## Location

- To avoid deformation, discoloration, or other serious damage, do not expose this unit to the following conditions:
  - Direct sunlight
  - Excessive dusty or dirty location
  - High humidity or moisture
  - Extreme temperature or humidity
  - Magnetic fields
  - Strong vibrations or shocks

## **Cleaning**

Clean only with a soft, dry cloth. If necessary, slightly moisten the cloth. Do not use abrasive cleaners, cleaning alcohol, paint thinners, wax, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

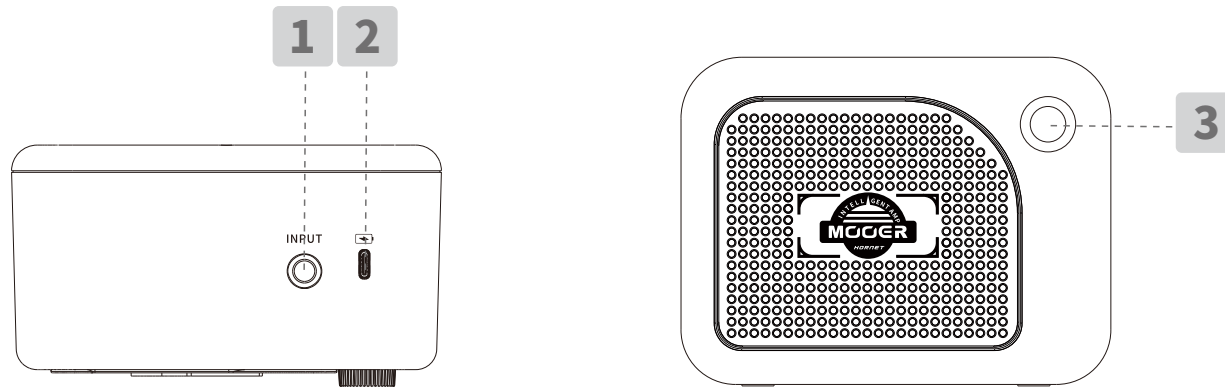
## **Operation**

- Please do not toggle the switch, rotate the knob heavily.
- Please do not let the paper scrap, metal debris, or other sundries falls inside the unit.
- Please do not let the unit fall from a high level, push, or strike the unit heavily.
- Please do not modify the unit without authorization.
- For repairing service, please contact the MOOER support team for more information.

# Features

- Digital modelling amplifier based on the MOOER Intelligent AMP system.
- 52 amp models created with MNRS technology, and 49 classic and experimental effects.
- 5-watt D class amplifier with a two-inch loudspeakers.
- 40 drum machine varieties and 10 metronomes.
- 80-second looper that can sync with the drum machine.
- Comes with tuner for tuning your instrument easily.
- Rechargeable battery with up to 5 hours battery life.
- Specialized MOOER iAMP APP for complete effects editing, firmware updates, and the ability to upload/download tones from MOOER Cloud.
- Support for wireless footswitch control.
- Bluetooth 5.0 high quality audio input for audio playback or practice.
- USB-C port for high-quality audio recording and playback.

# Layout



## 1.INPUT

6.35mm TS instrument input jack for connecting to guitar or any other electric instrument.

## 2.USB-C

Charging port/OTG port for audio direct recording, and audio playback via the smart mobile device.

**Notes:**The USB port is designed for direct recording via your mobile device. It cannot play the role of professional audio interface for low latency recording. If you would like to use it in the DAW on the Windows platform, ASIO audio drivers are needed, which could lead to compatibility issues.

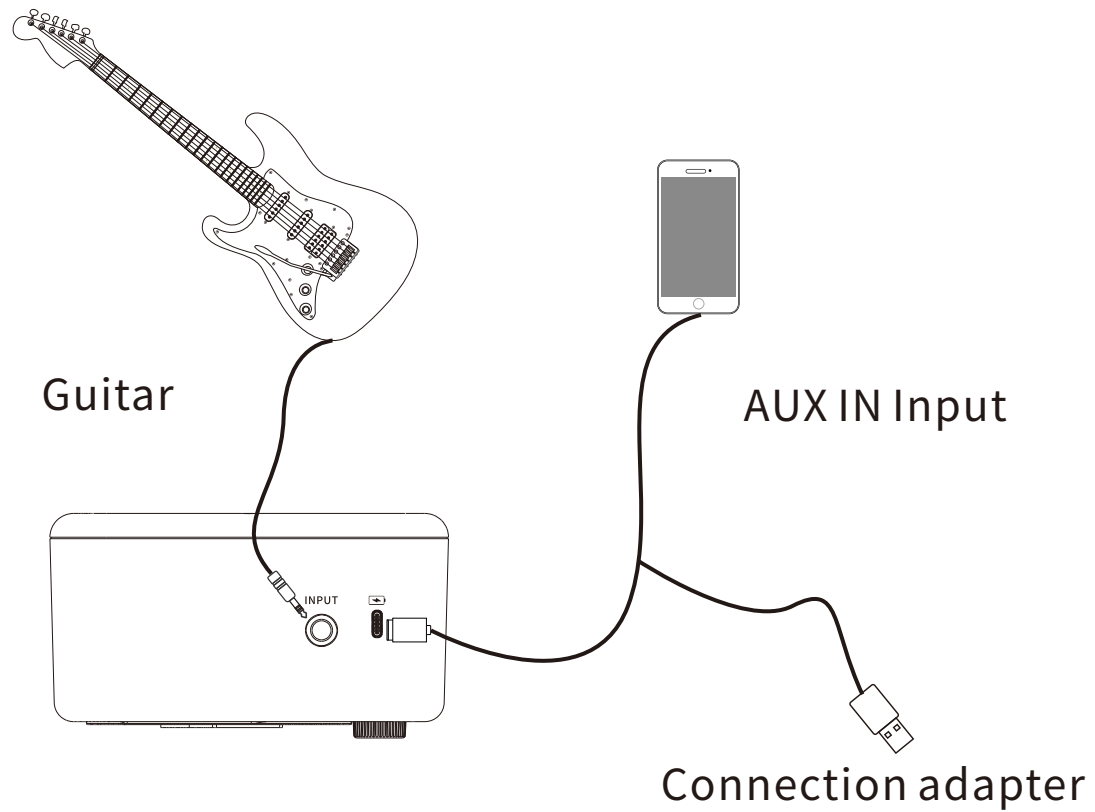
## 3.Super Knob

Rotate the knob to the far-left position to turn On/Off the amplifier. When the amplifier is powered On, rotate the knob clockwise to turn up the volume level; rotate the knob

ounterclockwise to turn down the volume level.

Press the knob to switch between 4 preset patches (The color of the knob LED will indicate the currently selected preset.). The knob LED will turn RED when the battery life is low, please charge the amplifier in time.

# Connection





# Quick Start

## **1. Power On**

Rotate the Super Knob clockwise until "Click" to turn On the device. The LED knob will blink and then boot up.

## **2. Set up connection**

Connect your instrument to the INPUT of Hornet 05i. Rotate the Super Knob clockwise to get the proper volume level.

## **3. Bluetooth**

Open the menu of your mobile device, and search for "Hornet 05i Audio" in the Bluetooth list for connecting. After the connection is set up successfully, you can play the audio track from your mobile device via the Hornet 05i directly.

# Instructions

## 1. Switch the preset

Hornet 05i includes 10 preset banks, each bank has 4 preset patches, and 40 preset patches in total. Without connecting to iAMP App, the user can press the Super Knob to switch between 4 preset patches in the currently selected bank.

## 2. Tuner

Press and hold the Super Knob for 2 seconds to access the tuner. The LED will turn yellow. Then the user can tune the guitar via the iAMP App. Press and hold the Super Knob for 2 seconds again to quit the tuner mode.

# MOOER iAMP App

## 1. Download the MOOER iAMP App

Please download the MOOER iAMP App via Google Play or Appstore

## 2. Connection

Open the MOOER iAMP App, select "Hornet Series", and click on "Search". Find your device in the list below (The default name is "Hornet 05i"). Wait for a few seconds to set up the connection until it is connected successfully.


## 3. Registration

Please register a new account for use if you have not used the MOOER iAMP App before. You can log in to the MOOER Cloud to download and share tones from users from all over the world via the account.

## 4. Preset selection/edition/saving


Press the click on the preset area to open the preset list. Click on one of the preset patches to select it.


Click on the effect module, select an effect type in the list below, and drag the parameter bar to adjust the parameters of the current effect.

Click on the effect module again to turn On/Off the currently selected module.  
Press and hold the module to drag it to a different position of the effect chain.  
Click on the saving icon  to save the changes.

## **5. Upload/download the preset from Cloud**

Please ensure that you have registered a iAMP account and login for use.


Download: Click on the icon  on the top-left corner, select Cloud, select a music type, and click on "PLA7" to have a try of it. If you are satisfied with it, click on the download icon, and select the storing slot for download.

Upload: Select a preset patch, click on the icon  in the top-left corner, select UPLOAD, fill in the information of the preset, then confirm uploading.

## **6. Firmware update**

Hornet 05i supports firmware updates via the App. When the new version of firmware is released (connect your device with the App), the firmware update reminder will pop up when you open the App for use. Click to confirm firmware updating. The device will boot to update mode, please wait for a few minutes until the update is complete.

## **7. Factory reset**

Click on the icon  on the top-left corner, and select SETTING-VERSION to reset the device to factory setting, all the user settings and preset patches will be clear.

# MOOER F4 Wireless footswitch

Hornet 05i supports MOOER F4 wireless footswitch for control function expansion, including preset switching, drum machine/looper control, tuner, and tap tempo.

## Pairing

Please pair the wireless footswitch with the App for the first time of using.

Turn on the F4, press and hold the footswitch A and C to enter the pairing mode, and the LED of F4 will start to blink.

Open the iAMP App, and click the  icon to start pairing. When the pairing is complete, the screen of F4 will show the number of current selected preset patches.

## Preset switching

Press the footswitch A/B/C/D to switch between four presets in the current selected preset bank. Press the A & B footswitches to scroll up in the preset banks; press the C & D footswitches to scroll down in the preset banks.

## TAP TEMPO

When the delay module is On, the footswitch LED will blink according to the delay time. Press the footswitch of the current selected preset patch multi-time to set up the delay time directly.

## **TUNER**

Press and hold any of the footswitches to enter tuner mode. The App will switch to the TUNER page automatically, or you can utilize the screen of the footswitch directly for tuning. The left part of the screen shows the note name and the right part of the screen shows the pitch status. 0 for standard, rotating anticlockwise for being flat, rotating clockwise for being sharp.

## **Drum machine/looper**

Hornet 05i has the integrated 80-second looper and the 40-groove drum machine. The looper can synth with the drum machine for use. Utilizing the wireless footswitch for a better control experience.

**Looper & drum mode:** In the preset select mode, press the footswitch B & C simultaneously to enter looper & drum mode, the screen of the footswitch will show “LD”. Press the footswitch B & C again to quit.

**Control:** The footswitch A and B for looper control. A: REC/PLAY/DUB; B: STOP/press and hold for clear.

The footswitch C and D for the drum machine control. C: Tap tempo function of the drum machine, and press it for multi-time to set up the speed of the drum machine; D: Play/stop the drum machine.

Press and hold the footswitch C to enter the drum grooves selection mode. The screen will show the number of currently selected grooves. Press C or D to go through to select a groove. The groove select mode will quit automatically after being idle for a few seconds.

## **OTG Recording/Playback**

The USB-C port of Hornet 05i supports OTG function via connecting to the mobile device (smartphone/tablet) for direct recording/audio playback. Please purchase the correct OTG cable (USB-A female to Lightning/USB-C port), then combine it with the original USB-A to USB-C cable which comes with the device for use.



# STONE

OD		
serial number	name	serial number
1	Pure Boost	Based on MOOER@ Pure Boost effect
2	Flex Boost	Based on MOOER@ Flex Boost effect
3	Tube DR	Based on BK.Butler@ Tubedriver overdrive effect
4	808	Based on Ibanez@ TS808 overdrive effect
5	Gold Clon	Based on Klon Centaur@ Gold overdrive effect
6	D-Drive	Based on Barber@ Direct Drive overdrive effect
7	Jimmy OD	Based on Paul Cochrane@ Timmy OD overdrive effect
8	Full DR	Based on Fulltone@ Fulldrive 2 overdrive effect
9	Beebee Pre	Based on Xotic BB Preamp Overdrive distortion effect
10	Beebee	Based on Xotic@ BB Plus overdrive distortion effect
11	Black Rat	Based on Proco@ Rat distortion effect
12	Grey Faze	Based on Dunlop@ Fuzz Face fuzz effect
13	Muffy	Based on EH@ Big Muff fuzz effect
14	Full DS	Based on Fulltone GT-500 distortion effect
15	Shred	Based on Marshall@ Shred Master distortion effect
16	Riet	Based on Suhr@ Riot distortion effect
18	MTL Zone	Based on Boss@ Metal Zone effect
19	MTL Master	Based on Digitech METAL MASTER distortion effect
20	Obsessive Dist	Based on Fulltone@ OCD distortion effect

## AMP

serial number	name	serial number
1	65 US DLX	Based on Fender@65 Delux Reverb preamp module
2	65 US TW	Based on Fender@65 Twin Reverb preamp module
3	59 US Bass	Based on Fender@ 59 Bassman preamp module
4	US Sonic	Based on Fender@ Super Sonic preamp module
5	US Blue CL	Based on Fender@ Blues Deluxe preamp module clean channel
6	US Blue OD	Based on Fender@ Blues Deluxe preamp module overdrive channel
7	E 650 CL	Based on ENGL@ E650 preamp module clean channel
8	Powerbell CL	Based on ENGL@ E645 preamp module clean channel
9	Blacknight CL	Based on ENGL@ E650 Blackmore Signature preamp module clean channel
10	Mark III CL	Based on Mesa/Boogie@ Mark III preamp module clean channel
11	Mark V CL	Based on Mesa/Boogie@ Mark V preamp module clean channel
12	Tri Rec CL	Based on Mesa/Boogie@ Triple Rectifier preamp module clean channel
13	Rockvrb CL	Based on Orange® Rockerverb Clean Channel
14	Dr Zee 18 JR	Based on Orange@ Dr Zee 18 JR preamp module clean channel
15	Dr Zee Reck	Based on DR.Z@ Z-Wreck preamp module
16	Jet 100H CL	Based on Jet City@ JCA100H preamp module clean channel
17	Jazz 120	Based on Roland@ JC120 preamp module
18	UK 30 CL	Based on Vox AC30 preamp module clean setup
19	UK 30 OD	Based on Vox AC30 preamp module overdrive setup

<b>AMP</b>		
<b>serial number</b>	<b>name</b>	<b>serial number</b>
20	HWT 103	Based on Hiwatt@ DR-103 preamp module
21	PV5050 CL	Based on Peavey@ 5150 preamp module clean channel
22	Regal Tone CL	Based on Tone King@ Falcon preamp module Rhythm channel
23	Regal Tone OD1	Based on Tone King@ Falcon preamp module Tweed channel
24	Carol CL	Based on Two Rock@ Coral preamp module clean channel
25	Cardeff	Based on Two Rock@ Cardiff preamp module
26	EV 5050 CL	Based on EVH@ 5150 preamp module clean channel
27	HT Club CL	Based on Blackstar@ HT Stage100 preamp module clean channel
28	Hugen CL	Based on Diezel@ Hagen preamp module clean channel
29	Koche OD	Based on Koch@ Powertone preamp module overdrive channel
30	J800	Based on Marshall@ JCM800 preamp module
31	J900	Based on Marshall@ JCM900 preamp module
32	PLX 100	Based on Marshall@ Plexi 100 preamp module
33	E650 DS	Based on ENGL@ E650 preamp module distortion channel
34	Powerbell DS	Based on ENGL@ E645 preamp module distortion channel
35	Blacknight DS	Based on ENGL@ 650 Blackmore preamp module distortion channel
36	Mark III DS	Based on Mesa/Boogie@ Mark III preamp module distortion channel
37	Mark V DS	Based on Mesa/Boogie@ Mark V preamp module distortion channel

## AMP

serial number	name	serial number
38	Tri Rec DS	Based on Mesa/Boogie@ Triple Rectifier preamp module distortion channel
39	Rockverb DS	Based on Orange@ Rockverb preamp module distortion channel
40	Citrus 30	Based on Orange@ AD30 preamp module
41	Citrus 50	Based on Orange@ AD50 preamp module
42	Slow 100 CR	Based on Soldano@ SLO 100 preamp module crunch channel
43	Slow 100 DS	Based on Soldano@ SLO100 preamp module distortion channel
44	Jet 100H OD	Based on Jet City@ JCA100 H preamp module overdrive channel
45	PV 5050 DS	Based on Peavey@ 5150 preamp module distortion channel
46	Regal Tone OD2	Based on Tone King@ Falcon preamp module Lead channel
47	Carol OD	Based on Two Rock@ Coral preamp module overdrive channel
48	EV 5050 DS	Based on EVH@ 5150 preamp module distortion channel
49	HT Club DS	Based on Blackstar@ HT Stage 100 preamp module distortion channel
50	Hugen OD	Based on Diezel@ Hagen preamp module overdrive channel
51	Hugen DS	Based on Diezel@ Hagen preamp module distortion channel
52	Koche DS	Based on Koch@ Powertone preamp module distortion channel

<b>DYNA</b>		
<b>serial number</b>	<b>name</b>	<b>serial number</b>
1	NG	Based on MOOER@ Nosie Killer noise gate
2	Comp	Based on MOOER@ Blue Comp compressor effect
3	Touch Wah	Based on MOOER@ Envelope fliter effect
4	Auto Wah	Based on MOOER@ WAH auto wah effect

<b>MOD</b>		
<b>serial number</b>	<b>name</b>	<b>serial number</b>
1	Phaser	liquid like phaser effect
2	Step Phaser	Based on square wave phaser effect
3	Flanger	Classic flanger effect
4	Jet Flanger	Based on the MOOER@ JET FLANGER
5	Tremlo	Tremolo effect with periodically changing volume level
6	Stutter	Stutter effect with periodically changing volume level
7	Vibrato	Vibrato effect with periodically changing pitch
8	Pitch Shift	Effect for changing the pitch
9		
10		
11	Rotary	Rotary effect
12	Ana Chorus	Warm analog like chorus effect
13	Tri Chorus	Modern multi chorus effect
14	Ring	Can produce the ring like tone
15	Q-Filter	Modulation filter effect
	Lofi	Downsampling effect
	Slow Gear	Slow pronunciation effect

<b>DELAY</b>		
<b>serial number</b>	<b>name</b>	<b>serial number</b>
1	Digital	Clear and precise digital delay effect
2	Analog	Classic warm analog like delay
3	Real Echo	Real space like delay effect
4	Tape	Vintage tape delay effect
5	Mod	Delay with modulation effect
	Reverse	Delay with reversed signal

<b>REVERB</b>		
<b>serial number</b>	<b>name</b>	<b>serial number</b>
1	Room	Small room reverb
2	Hall	Concert Hall reverb
3	Plate	Studio style plate reverb
4	Spring	Vintage spring reverb tank
5	Mod	Reverb with modulation effect

# Specifications

<b>Rates power:</b>	5-watt class D amplifier
<b>Mono/Stereo:</b>	Mono
<b>Speaker:</b>	1*2-inch customized full-range flat-response speaker
<b>Battery:</b>	2000mAh
<b>Charging requirements:</b>	5V 2A
<b>Duration:</b>	4 hours (Reference from the test data in the MOOER laboratory environment)
<b>Num. of effects:</b>	52 amp models, 49 effects (dynamic/distortion/modulation/reverb)
<b>Looper:</b>	80-second stereo looper
<b>Wireless footswitch:</b>	Support
<b>Bluetooth:</b>	Bluetooth audio playback and App control
<b>USB digital audio:</b>	OTG audio recording, OTG audio playback
<b>Input jack:</b>	¼" audio input jack, 1Meg ohm
<b>Dimensions:</b>	130 (D) x 104 (W) x 75.5 (H)mm

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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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement.