MOOER DH01

MOOER Hornet Black 15W Guitar Amplifier Combo

Model: DH01

1. Introduction

Thank you for purchasing the MOOER Hornet Black 15W Guitar Amplifier Combo. This compact and versatile amplifier is designed for electric, acoustic, and bass guitars, offering a wide range of tones and features for practice and recording. It incorporates advanced digital modeling technology to simulate various popular amplifier sounds, along with essential built-in effects and convenient connectivity options.



Figure 1: Front view of the MOOER Hornet Black 15W Guitar Amplifier Combo.

2. Important Safety Instructions

To ensure safe operation and prolong the life of your amplifier, please observe the following:

- **Power Source:** Use only the supplied DC18V 2000 mA center pin negative power supply.
- **Ventilation:** Do not block any ventilation openings. Ensure adequate airflow around the unit.
- **Water and Moisture:** Do not expose this appliance to rain or moisture. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Heat Sources:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth. Avoid using liquid or aerosol cleaners.
- **Servicing:** 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 objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

3. Key Features

- 9 high-quality digital amp models based on popular guitar amplifiers.
- Modulation, delay, and reverb effects with independent tap tempo control.
- Ability to store and recall up to 9 presets for quick access to your favorite tones.
- Highly sensitive precision tuner for accurate instrument tuning.
- Wireless Bluetooth connectivity for audio streaming from external devices.
- AUX IN port for wired connection of external audio sources.
- Dedicated headphones output for silent practice.
- Equipped with a 6.5-inch custom speaker.
- Compact and portable design, suitable for various environments.



Figure 2: The Hornet amplifier utilizes digital modeling for high-quality sound.

4. Setup Guide

4.1 Unpacking and Placement

Carefully remove the amplifier from its packaging. Ensure all components are present: the Hornet amplifier unit and the DC18V power adapter. Place the amplifier on a stable, flat surface, ensuring proper ventilation around the unit.



Figure 3: Compact dimensions of the Hornet amplifier.

4.2 Power Connection

1. Connect the supplied DC18V power adapter to the 'DC IN 18V 2A' port on the rear panel of the amplifier.
2. Plug the power adapter into a suitable wall outlet.
3. Flip the 'POWER' switch on the rear panel to the 'ON' position to power on the amplifier.

4.3 Instrument Connection

Connect your electric, acoustic, or bass guitar to the 'INPUT' jack on the top panel using a standard 1/4-inch instrument cable.



Figure 4: Rear panel connections.

5. Operating the Amplifier

5.1 Controls Overview



Figure 5: Top panel controls.

- **INPUT:** 1/4-inch instrument input.
- **GAIN:** Adjusts the input gain, affecting the amount of distortion.
- **TREBLE:** Adjusts the high frequencies.
- **MID:** Adjusts the middle frequencies.
- **BASS:** Adjusts the low frequencies.
- **VOLUME:** Master volume control for the amplifier output.
- **LIVE/PRESET:** Toggles between Live mode (current settings) and Preset mode (saved settings). Press and hold to save current settings to a preset slot.
- **MOD:** Controls the modulation effect (Chorus, Phaser, Tremolo). Turn the knob to select effect type and adjust intensity.
- **DELAY:** Controls the delay effect (Analog, Tape Echo, Digital). Turn the knob to select effect type and adjust intensity.
- **REVERB:** Controls the reverb effect (Room, Hall, Church). Turn the knob to select effect type and adjust intensity.

- **BT (Bluetooth):** Press to toggle the Bluetooth wireless receiver on/off.
- **TUNER:** Press to activate the built-in precision tuner.

5.2 Amp Models

The Hornet amplifier features 9 high-quality digital amp models. Rotate the large illuminated knob on the front panel to select your desired amp model. Each model is based on a classic amplifier tone:

HORNET BLACK		
	NAME	TONE
1	JZ CLEAN	Based on ROLAND JC120
2	F.CLEAN	Based on FENDER TWIN REVERB
3	PL 100	Based on MARSHALL PLEXILEAD 100
4	PV 5150	Based on BROWN SOUND
5	TRPLE	Based on MESA TRIPLE RECTIFIER
6	MK IV	Based on MESA MK IV
7	POWER DS	Based on ENGL POWERBALL
8	MOGNER	Based on BOGNER UBERSCHALL
9	MOOER MT	MOOER METAL Original Tone

Figure 6: List of Hornet Black amp models and their inspirations.

Hornet Black Amp Models

No.	Name	Tone Based On
1	JZ CLEAN	ROLAND JC120
2	F.CLEAN	FENDER TWIN REVERB
3	PL 100	MARSHALL PLEXILEAD 100
4	PV 5150	BROWN SOUND
5	TRPLE	MESA TRIPLE RECTIFIER
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5.3 Using Effects and Tuner

The Hornet amplifier includes built-in modulation, delay, and reverb effects, each with independent tap tempo functionality. Press the corresponding button (MOD, DELAY, REVERB) to activate or deactivate the effect. Turn the associated knob to select the effect type and adjust its parameters. For precise tuning, press the 'TUNER' button. The display will show the note being played, allowing you to tune your instrument accurately.

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Video 1: Demonstration of MOOER Hornet Black 15W Digital Modelling Combo features, including amp models, effects, Bluetooth, and tuner.

5.4 Bluetooth and AUX IN Connectivity

For playing along with backing tracks or external audio, the Hornet offers both Bluetooth and AUX IN options. Press the 'BT' button to enable Bluetooth and pair with your device. Alternatively, connect an audio source directly to the 'AUX IN' port on the rear panel using a 3.5mm stereo cable.

6. Maintenance

To keep your MOOER Hornet amplifier in optimal condition:

- Regularly wipe the exterior with a soft, dry cloth.
- Avoid exposing the amplifier to extreme temperatures, humidity, or direct sunlight.
- Do not use abrasive cleaners or solvents.
- When not in use for extended periods, disconnect the power adapter.

7. Troubleshooting

7.1 No Sound

- Check if the amplifier is powered on and the power adapter is securely connected.
- Ensure your instrument cable is properly connected to both the guitar and the amplifier's 'INPUT' jack.
- Verify that the 'VOLUME' knob on the amplifier is turned up.
- If using headphones, ensure they are fully plugged into the 'HEADPHONE' jack and the amplifier's speaker is muted (if applicable).
- Test with a different instrument cable or guitar to rule out faulty equipment.

7.2 Poor Sound Quality / Unwanted Noise

- Check for loose cable connections.
- Ensure the guitar's volume and tone controls are set appropriately.
- Adjust the 'GAIN' knob; too much gain can cause excessive distortion or feedback.

- Try a different power outlet to eliminate potential electrical interference.
- If using Bluetooth, ensure your device is within range and there are no obstructions.

7.3 Bluetooth Connection Issues

- Ensure the 'BT' button on the amplifier is pressed and the Bluetooth indicator is active.
- Make sure Bluetooth is enabled on your external device and it is discoverable.
- Try unpairing and re-pairing the device.
- Move your device closer to the amplifier to improve signal strength.

8. Specifications

- **Output Wattage:** 15 Watts
- **Speaker:** 6.5-inch custom speaker, 4 ohm impedance
- **Power Source:** Electric (DC18V 2000 mA center pin negative)
- **Item Weight:** 8.38 pounds
- **Product Dimensions:** 11.42 x 6.81 x 10.04 inches
- **Compatible Devices:** Guitar (Electric, Acoustic, Bass)
- **Connectivity:** AUX, Wireless (Bluetooth)
- **Material:** Lightweight material
- **Color:** Black

9. Warranty Information

MOOER products are covered by a limited warranty against defects in materials and workmanship. Please refer to the warranty card included with your product or visit the official MOOER website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

10. Customer Support

For further assistance, technical support, or service inquiries, please contact MOOER customer support through the following channels:

- **Website:** Visit the MOOER Store on Amazon
- **Email:** Refer to your product packaging or the official website for specific contact email.