

## MOOER F40i

# MOOER F40i Smart Guitar Amplifier User Manual

Model: F40i

## 1. INTRODUCTION

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Thank you for choosing the MOOER F40i Smart Guitar Amplifier. The F40i is a versatile 40W digital modeling amplifier designed for electric guitar, acoustic guitar, bass, and vocals. It features a touch screen interface, AI-powered tone generation, a comprehensive effects system, and various practice tools. This manual provides essential information for setting up, operating, and maintaining your F40i amplifier.

## 2. SAFETY INFORMATION

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- Do not expose the unit to rain or moisture to avoid fire or electric shock.
- Do not open the casing. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Ensure the power adapter is compatible with your local power supply.
- Avoid placing the unit near heat sources or in direct sunlight.
- Clean only with a dry cloth.

## 3. PRODUCT OVERVIEW

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The MOOER F40i is a compact yet powerful smart amplifier, integrating advanced digital modeling technology with a user-friendly touch screen. It offers a wide range of features for practice, performance, and creative sound design.

### Key Features:

- **AI Preset Generation:** Access over 10,000 effects via voice or text commands through the MOOER AI.
- **Dual Effects System:** Supports XLR input for vocals or other instruments with a dedicated effects system.

- **Extensive Effects Library:** 55 amplifier models (MNRS technology), 69 effect types, and 80 preset saving slots. Supports third-party IR loading.
- **Dynamic Spatial Enhancement (DPE):** 40W stereo output through two 4-inch speakers, enhanced by DPE technology for improved spatial depth.
- **Intuitive Touch Screen:** 1.3-inch touch screen for direct access to Bluetooth, wireless footswitch control, drum machines, and tuner.
- **iAMP Cloud Sharing:** Access a vast collection of official and user-uploaded tones.
- **Professional Practice Tools:** Includes 60 drum machine patterns, 10 metronome types, a 60-second looper, and a high-precision tuner.
- **Connectivity:** Supports simultaneous use of two input interfaces (6.35mm Jack, XLR), stereo output, data backup, and firmware upgrades.

## Front Panel Controls:

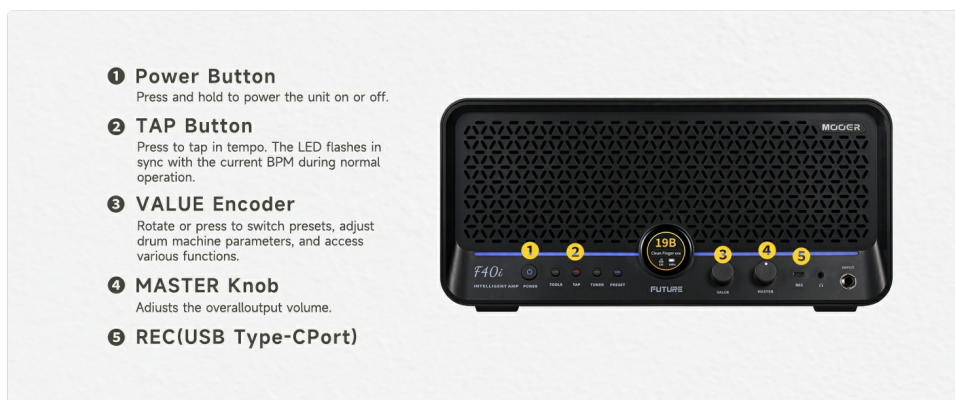


Image: MOOER F40i Front Panel Controls. This image illustrates the front panel of the F40i amplifier, highlighting the Power button, TAP button, VALUE encoder, MASTER knob, and REC (USB Type-C) port with corresponding labels.

1. **Power Button:** Press and hold to power the unit on or off.
2. **TAP Button:** Press to tap in tempo. The LED flashes in sync with the current BPM during normal operation.
3. **VALUE Encoder:** Rotate or press to switch presets, adjust drum machine parameters, and access various functions.
4. **MASTER Knob:** Adjusts the overall output volume.
5. **REC (USB Type-C Port):** For data backup, firmware upgrades, and direct recording.

## Rear Panel Connections:



Image: MOOER F40i Rear Panel Connections. This image displays the rear panel of the F40i amplifier, showing the Guitar/Bass Input, Mic Input (XLR), Interface/Monitor outputs, and Power Input.

- **Guitar/Bass Input:** 6.35mm jack for connecting electric guitars, acoustic guitars, or basses.
- **Mic Input:** XLR connector for microphones or other instruments requiring an XLR connection.
- **Interface/Monitor Outputs:** Stereo outputs for connecting to external devices or monitoring.
- **Power Input:** For connecting the power adapter.

## 4. SETUP

### 4.1 Powering On/Off

1. Connect the provided power adapter to the Power Input on the rear panel and to a suitable power outlet.
2. Press and hold the **Power Button** on the front panel until the unit powers on.
3. To power off, press and hold the **Power Button** again until the unit shuts down.

### 4.2 Connecting Instruments

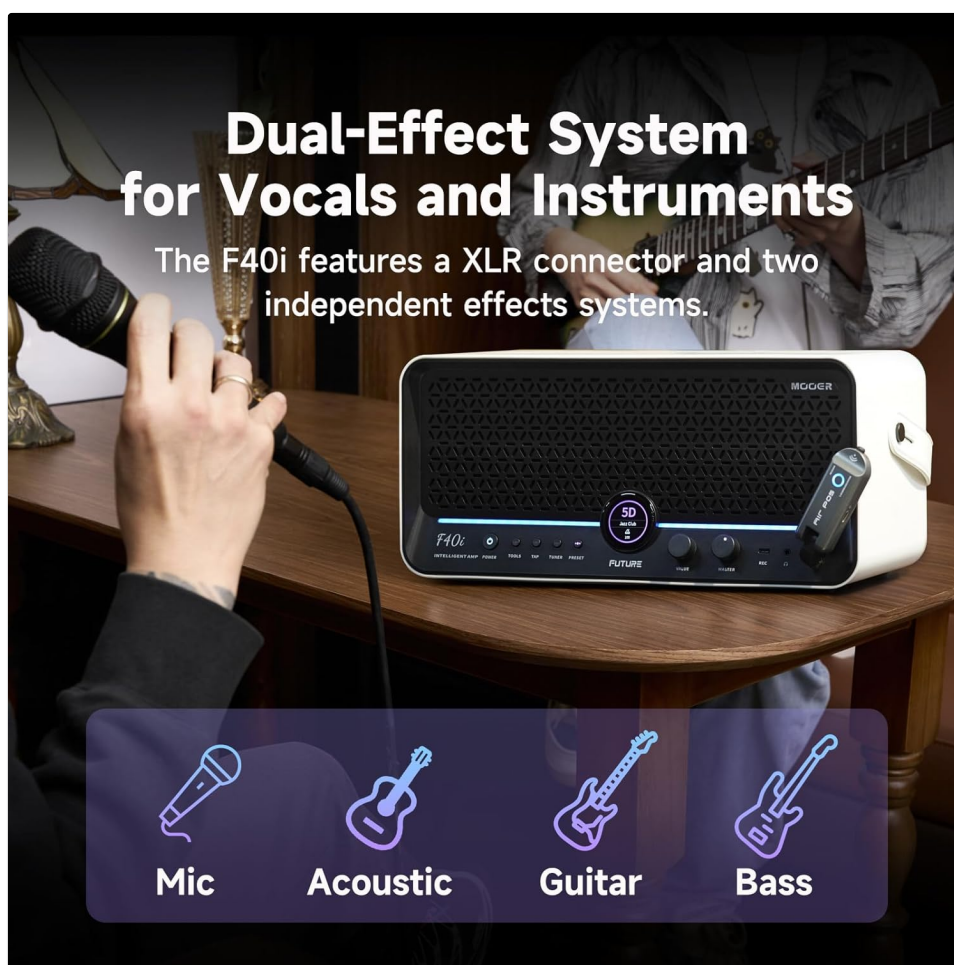


Image: MOOER F40i with Microphone and Guitar. This image shows the F40i amplifier connected to both a microphone via XLR and a guitar via a 6.35mm jack, demonstrating its dual input capability.

- **Guitar/Bass:** Connect your instrument to the 6.35mm **Guitar/Bass Input** on the rear panel.
- **Microphone/Other XLR Instrument:** Connect your microphone or other XLR-compatible instrument to the **Mic Input** on the rear panel. The F40i supports simultaneous use of both input interfaces.

### 4.3 Initial App Connection (Bluetooth)

1. Download the iAMP app from your device's app store.
2. Ensure Bluetooth is enabled on your mobile device.
3. On the F40i's touch screen, navigate to the Bluetooth settings.

4. Select the F40i from the list of available devices in your app or phone's Bluetooth settings to pair.

## 5. OPERATING INSTRUCTIONS

### 5.1 Touch Screen Navigation



Image: MOOER F40i 1.3 Inch Touch Screen Interface. This image highlights the 1.3-inch touch screen on the F40i, showing various icons for quick selection of Bluetooth, presets, tuner, and drum machines.

The 1.3-inch touch screen provides direct access to various functions. Tap icons to select Bluetooth, switch presets, activate the tuner, or control the drum machine. When playing music via Bluetooth, you can also use the touch screen to play/pause playback.

### 5.2 MOOER AI Preset Generator

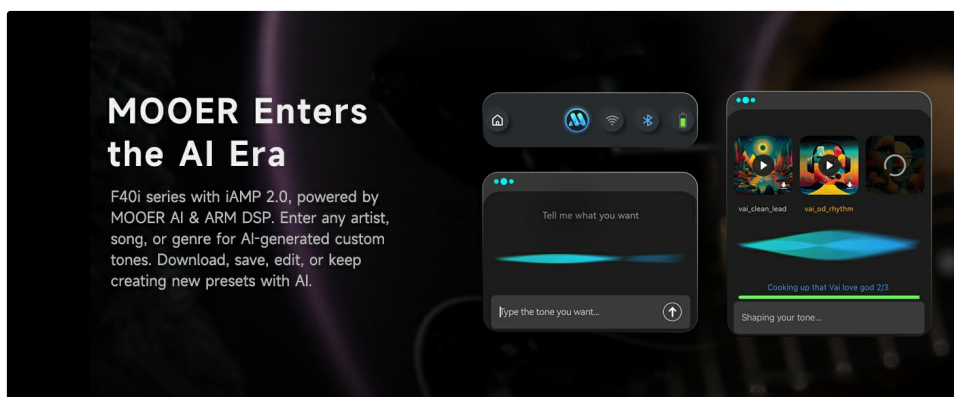


Image: MOOER AI Tone Preset Generator App Interface. This image shows the MOOER iAMP app interface where users can interact with the AI by typing or speaking keywords to generate custom tones.

Utilize the MOOER AI within the iAMP app to generate custom tones. Use voice or text commands with

keywords such as song titles, artists, or musical styles. The AI will generate three preset tones for preview and download. You can further refine these tones or continue the conversation for more options.

### 5.3 Effects System



Image: MOOER F40i Reusable Effect Module. This image illustrates the F40i's capabilities with icons representing 55 Amps, 69 Effects, 80 Presets, and support for 3rd-party IRs.

- The F40i features 55 amplifier models based on MOOER's MNRS nonlinear modeling technology and 69 effect types (delay, modulation, reverb, dynamics).
- There are 80 preset saving slots available for storing your customized tones.
- The dual effects system provides a dedicated effects chain for the XLR input, allowing independent processing for vocals or other instruments.
- The amplifier supports loading of third-party Impulse Responses (IRs) for expanded tonal options.

### 5.4 Practice Tools

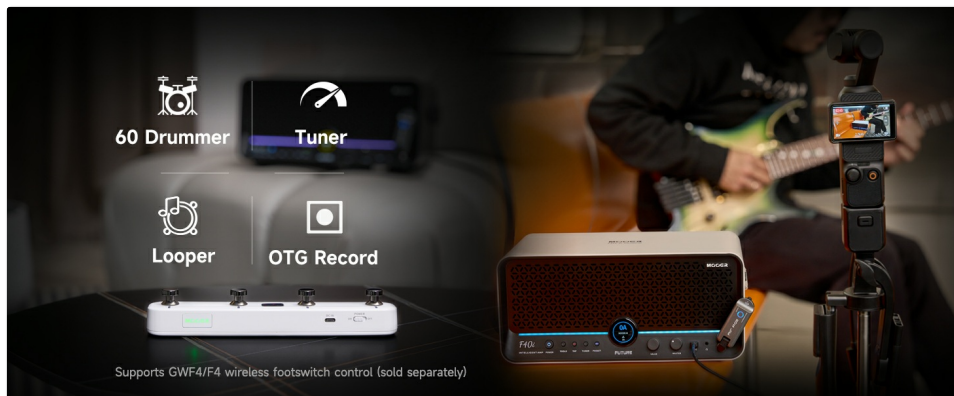


Image: MOOER F40i Professional Practice Tools. This image highlights the F40i's built-in practice tools, including a 60-pattern drum machine, tuner, 60-second looper, and OTG record function. It also shows compatibility with the GWF4/F4 wireless footswitch (sold separately).

- **Drum Machine:** Access 60 common drum machine rhythm patterns and 10 metronome types for practice.
- **Looper:** Record and loop phrases up to 60 seconds in length. The looper can be used simultaneously with the drum machine.
- **Tuner:** A high-precision tuner is integrated into the amplifier's software for accurate instrument tuning.
- **Bluetooth Playback:** Connect your mobile device via Bluetooth to play accompaniment tracks.
- **Wireless Footswitch:** The F40i supports wireless pedal remote switching of presets and control of the drum machine and looper (GWF4/F4 footswitch sold separately).

## 5.5 iAMP Cloud Sharing

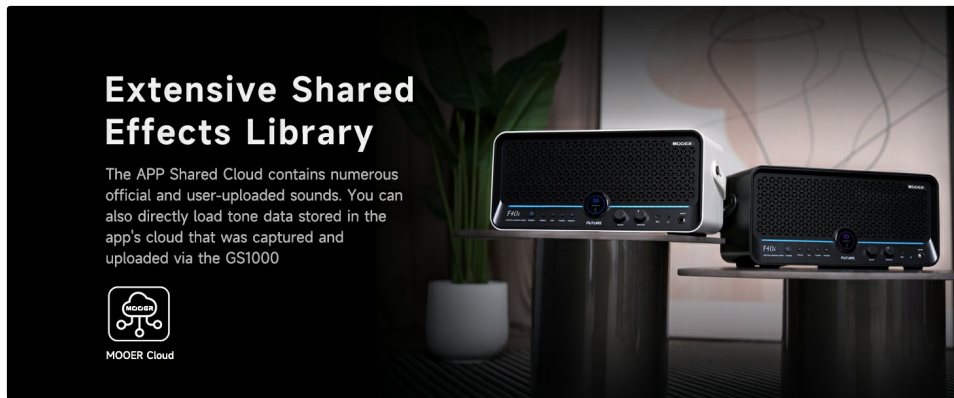


Image: MOOER iAMP Cloud Sharing. This image depicts two F40i amplifiers and the MOOER Cloud logo, indicating an extensive shared effects library where users can upload and download tones.

The MOOER Cloud, accessible through the iAMP app, hosts a vast collection of official and user-uploaded tones. This library is shared with the GS1000 Cloud, allowing direct use of data sampled via GS1000. You can upload your own custom tones or download tones from other users and official sources.

## 5.6 Dynamic Spatial Enhancement (DPE)



Image: MOOER DPE Enhance Technology. This image provides an internal view of the F40i amplifier, illustrating how MOOER's DPE technology enhances sound with greater spatial depth and improved tonal quality.

The F40i delivers a powerful 40W output through its two 4-inch speakers, producing simultaneous stereo sound. MOOER's Dynamic Spatial Enhancement (DPE) technology further enhances the spatial presence of the audio, providing a more immersive listening experience. The amplifier's design includes a 10° upward elevation angle for the speakers, optimizing sound projection for improved human auditory perception.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or aerosols.
- **Software Updates:** Regularly check the MOOER Audio website or the iAMP app for firmware updates to ensure optimal performance and access to new features. Updates can typically be performed via the REC (USB Type-C) port.
- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty.	Ensure the power adapter is securely connected to the amplifier and a working power outlet. Try a different outlet.
No sound output	Volume too low; instrument cable faulty; incorrect input selected; external device issues.	Increase the MASTER volume knob. Check instrument cables. Ensure the correct input is active. Verify external connections if using outputs.
Bluetooth connection issues	Bluetooth not enabled; device not paired; interference.	Ensure Bluetooth is on for both the F40i and your mobile device. Re-pair the devices. Move closer to the amplifier.
App not responding	App requires update; temporary software glitch.	Check for app updates. Close and restart the app. Restart the F40i amplifier.
Distorted sound	Input gain too high; faulty cable; speaker damage.	Adjust input gain settings in the app or on the amplifier. Try a different cable. If distortion persists, contact support.

## 8. SPECIFICATIONS

Feature	Detail
Brand	MOOER
Model Name	F40i
Output Wattage	40 Watts
Output Channel Quantity	2 (Stereo)
Amplifier Type	Digital Modeling
Compatible Devices	Vocals, Acoustic Guitar, Electric Guitar, Bass
Connector Type	6.35mm Jack, XLR
Audio Output Mode	Stereo
Power Source	Battery Powered
Battery Life	Up to 6 hours (approximate)
Touch Screen	1.3-inch
Amp Models	55 (MNRS technology)
Effect Types	69
Preset Slots	80
Looper Duration	60 seconds

Feature	Detail
Drum Patterns	60

## 9. WARRANTY AND SUPPORT

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MOOER products are designed for reliability and performance. For warranty information, please refer to the warranty card included with your product or visit the official MOOER website. For technical support, product registration, or to download the latest software and manuals, please visit [www.moeraudio.com](http://www.moeraudio.com) or contact your local MOOER distributor.