

SD10i 说明书

INTELLIGENT AMP / 智能乐器音箱

一、产品特性

- *搭载魔耳 iAMP 系统的数字建模吉他音箱；
- *52 款基于 MNRS 逆向建模技术的音箱模拟，以及 49 个效果类型；
- *10 瓦立体声功放，2 个 2 英寸扬声器；
- *40 款常用鼓机节奏型外加 10 种节拍器类型；
- *80 秒乐句循环，支持和鼓机的同步使用；
- *内置校音器随时维持乐器的音准；
- *内置可充电电池，摆脱电源束缚；
- *专用的 iAMP APP 支持对效果深度编辑、固件更新、以及云音色上传下载；
- *支持魔耳的无线踩钉进行扩展控制；
- *高保真蓝牙 5.0 音频输入，可当蓝牙音箱使用或播放伴奏进行练习；
- *USB-C REC (OTG) 接口支持高品质音频的录制和回放。

二、面板描述



- 1、电源开关拨档：两档拨档，向上开启电源，向下关闭电源。
- 2、USB-C 型接口：用于给设备充电或移动智能设备 OTG 数字音频录音、播放接口。
注：此接口为移动设备录音接口，无法完全取代专业宿主软件中低延迟声卡录音功能，在 Windows DAW 中使用需借助第三方 ASIO 驱动，并不排除驱动兼容性问题的可能。
- 3、电源指示灯：指示电源开关状态及电量。关闭时指示灯灭，开启时指示灯亮。显示绿色时表示电量大于 50%，黄色表示电量低于 50%，红色表示电量低于 25%，红色闪烁则表示电量即将耗尽，需尽快给设备充电。
- 4、AMP 型号选择旋钮：9 档 AMP 类型选择旋钮，可快速选择不同类型的主音色。
- 5、INSTRUMENT 旋钮：乐器总音量调节。此旋钮效果等同于 APP 调音台界面内的“乐器”推子，故在某些情况下该旋钮指示位置非所见所得。
- 6、AUDIO 旋钮：蓝牙音频、OTG 回放音频的总音量旋钮。
- 7、PRESET 带灯按键：预设带灯按键，按下循环切换当前音色组内的四个预设，按键灯颜色指示当前预设位置。
- 8、耳机接口：3.5mm TRS 耳机接口，连接耳机使用。
- 9、INPUT 输入接口：6.35mm TS 乐器输入接口，连接吉他等乐器。

三、设备连接



注：当连接耳机接口时 SD10i 的喇叭输出将静音。

四、准备开始

1、开机：

为防止瞬时大音量带来的损害，建议在开机之前将面板上的 INSTRUMENT 和 AUDIO 两个旋钮关至最小，随后打开面板上的电源拨档开关。

2、连接乐器：

使用乐器连接线连接您的吉他至 SD10i 的 INPUT 输入口，等待若干秒进入开机状态后再通过 INSTRUMENT 旋钮将乐器调节至合适的音量。

3、连接蓝牙播放设备：

打开蓝牙输入设备的搜索列表，在设备列表中找到“SD10i Audio”并点击进行连接，显示连接成功后即可通过您的设备播放蓝牙音乐。您可通过 SD10i 面板上的 AUDIO 旋钮将音乐调节至合适的音量。

五、面板操作

SD10i 搭配专用的 APP 可进行更丰富的编辑操作，但面板上依旧开放了满足大多数常用的快捷调节。

1、预设切换

SD10i 共有 10 组，每组 4 个，共 40 个预设音色。在未连接 iAMP APP 前，您可通过按下面板上的 PRESET 按键进行当前组内的 4 个音色循环切换。

2、AMP 音色切换

通过面板上的 AMP 九档档位器可快速选择 9 种不同的音色类型；
包含 2 种 Clean, 2 种 Overdrive, 2 种 Crunch 及 3 种 Distortion。

3、音色保存

对音色进行编辑后可长按面板上的 PRESET 按键来进行保存，按键灯快速闪烁表示保存已完成。

六、MOOER iAMP APP

1、下载 MOOER iAMP APP

根据您的智能设备系统登录指定的应用商店下载 MOOER iAMP APP。

2、设备连接

打开 iAMP APP，在登录页面选择 SD10i；
进入效果编辑界面后点击右下角的蓝牙图标，在列表中选择您的设备名称（默认为 SD10i）；
待进度百分比运行完成后即连接成功。

3、账号注册

初次使用 iAMP APP 建议注册账号，以便登录魔耳云端下载来自全球用户制作的海量预设，当然您也可以上传分享您自己的预设至云端。

4、预设选择/音色编辑/保存

- 点击预设名称区域弹出预设列表，在列表中点选其他预设名称进行切换；
- 点击目标音色模块，通过下方的模块名称区域选择音色类型，滑动参数条编辑参数值；
- 再次点击选中模块进行开关状态的改变；
- 长按目标模块进行左右拖动以改变效果链顺序；
- 点击预设名称右边保存图标进行保存。

5、云音色上传/下载

此功能需要注册账号并登录才可使用。

6、氛围灯

SD10i 前面板的氛围灯可在 APP 内设置工作模式和颜色。

点击 APP 左上角  图标-设置-氛围灯，弹出的菜单可选项有如下：

关闭：选择此项关闭前面板氛围灯；

静态：选择此项后氛围灯静态显示当前选择的颜色；

动态：选择此项后可针对色块进行复选，氛围灯动态循环显示当前所选择的颜色。

7、待机休眠功能

为防止由于忘记关机导致电池耗尽的问题 SD10i 设计了置待机休眠功能。

点击 APP 左上角  图标-设置-待机休眠，在列表内选择适当的时间，当设备检测到超过设定时间没有任何操作以及信号输入时就会自动进入休眠模式以节约电量。电源灯呼吸闪烁且 PRESET、TAP 灯灭表示进入休眠模式。休眠状态时旋转面板上的任意旋钮或按下任意按键唤醒设备。

注：如下情况即便设置了待机功能，设备也不会进入待机状态：

- A、鼓机、调音表或 Looper 任意模块打开运行中；
- B、Looper 内有数据时（为保证 Looper 数据不丢失）；
- C、接入充电器充电中；
- D、有持续检测到输入信号及面板操作时。

8、固件更新

SD10i 支持连接 APP 进行固件更新，当有新固件版本发布时（通常需要更新 APP）连接登录 APP 会弹出固件更新提示框，点击更新固件，设备会进入更新模式，此时需要等待若干分钟，待设备重启后更新完成。

9、恢复出厂

点击  图标-设置-版本号内可进行恢复出厂，恢复出厂的用户预设数据将全部清除还原至出厂状态。

七、MOOER F4 无线踩钉功能

SD10i 支持连接 MOOER F4 无线踩钉（另购）进行功能扩展控制，功能包括预设音色切换，鼓机/LOOPER 操作，TUNER 校音功能，打点设速。

初次使用需要进行 **配对**

打开 F4 电源，长按 F4 的 A & C 踩钉进入配对模式，进入配对模式后踩钉灯闪烁，此时点击 APP 内踏板图标，并点击开始配对。配对成功后 F4 屏幕显示当前预设编号。

预设切换

踩下 A/B/C/D 踩钉切换组内的预设，同时踩下 A&B 踩钉向上翻组（递增），同时踩下 C&D 踩钉向下翻组（递减）。

TAP TEMPO 打点设速

若当前预设开启了延迟模块，当前踩钉灯会按照延迟时值闪烁，连续踩下当前预设踩钉进行打点设速设置延迟模块的时值。

TUNER 校音功能

长踩任意踩钉进入 TUNER 功能，开启了 APP 会进入 TUNER 界面，即便没有连接 APP 也可通过无线踩钉的显示快速使用校音功能。屏幕左侧字母显示音名，右侧显示音高状态，显示稳定的“0”表示音高标准，逆时针转动表示偏低，顺时针转动表示偏高。

鼓机/LOOPER 控制

SD10i 搭载 80 秒 LOOPER 及 40 个常用风格节奏的鼓机，并支持鼓机 LOOPER 的同步。搭配 F4 无线踩钉可以获得更好的控制体验。

进入鼓机 LOOPER 控制模式：

在预设切换状态同时踩下 B&C 踩钉，此时无线踩钉屏幕显示“LD”表示进入鼓机 LOOPER 模式。如需退出再次踩下 B&C 踩钉即可恢复至常规的预设切换状态。

控制：

在鼓机 LOOPER 模式下 A/B 踩钉用作 LOOPER 的常规操作（A:录/放/叠，B：停止/长踩清除）；

C/D 踩钉分别用作鼓机的打点设速（C）以及开始/停止（D）

在显示“LD”状态下，长踩 C 踩钉进入节奏型选择，此时屏幕显示节奏型编号，踩下 C 和 D 踩钉分别为递减/递增选择鼓机节奏。此界面无操作后若干秒自动退出至“LD”界面。

八、OTG 录音/回放

SD10i 的 Type-C 接口支持连接手机等移动设备进行高品质的数字音频录制/回放。连接手机时需要单独购买与手机匹配的 OTG 转接线（例如 USB-A 母转 Lightning 或 USB-C）配合 USB-A 转 USB-C 数据线或者单条 OTG 数据线进行设备连接。

九、技术参数

功率：10 瓦（5 瓦 x2）D 类功放

单声道/立体声：立体声

喇叭：2 个 2 英寸定制全频喇叭

效果数量：52 个音箱模拟，49 个效果类型（动态处理/失真过载/调制/延迟/混响）

乐句循环：80 秒立体声乐句循环
无线踩钉：支持
蓝牙：蓝牙音频及 APP 控制
USB 数字音频：OTG 录制、回放
输入阻抗：1Meg ohm
耳机阻抗：1ohm
电源输入：5V === 2A
电池容量：3000mAh 7.4V 22.2Wh
尺寸：233mm x 133mm x 140mm
重量：1.28kg
附件：USB-C to USB-A 数据线、快速指导

SD10i instruction manual

INTELLIGENT AMP

1. Product characteristics

- * Digital modeling guitar amp equipped with Magic iAMP system;
- *52 speaker simulations based on MNRS reverse modeling technology, and 49 effect types;
- *10 watt stereo amplifier, 2 2-inch speakers;
- *40 common drum machine rhythm types plus 10 metronome types;
- *80 second phrase cycle, supporting synchronous use with drum machine;
- * Built-in tuning device to maintain the intonation of the instrument at any time;
- * Built-in rechargeable battery to get rid of power constraints;
- * Dedicated iAMP APP supports deep editing of effects, firmware updates, and cloud audio upload and download;
- * Support Magic ear wireless stepping nails for extended control;
- * High fidelity Bluetooth 5.0 audio input, can be used as a Bluetooth speaker or play accompaniment for practice;
- *USB-C REC (OTG) interface supports high quality audio recording and playback.

2. Panel description



1, the power switch shift: two shifts, up to turn on the power, down to turn off the power.

2, type-C interface: used to charge the device or mobile smart device OTG digital audio recording, playback interface. Note: This interface is a recording interface for mobile devices and cannot completely replace the low-latency sound card recording function in professional host software. The use of Windows DAW requires a third-party ASIO driver, which does not rule out the possibility of driver compatibility problems.

3, power indicator: indicates the power switch status and power. The indicator is off when it is off. The indicator is off when it is on. Green indicates that the battery is greater than 50%, yellow indicates that the battery is less than 50%, red indicates that the battery is less than 25%, and blinking red indicates that the battery is about to run out and the device needs to be charged as soon as possible.

4, AMP type selection knob: 9 AMP type selection knob, can quickly select different types of main tone.

5, INSTRUMENT knob: Adjust the total volume of the instrument. The effect of this knob is equivalent to the "instrument" fader in the APP mixer interface, so in some cases the knob indicates a position that is not perceived.

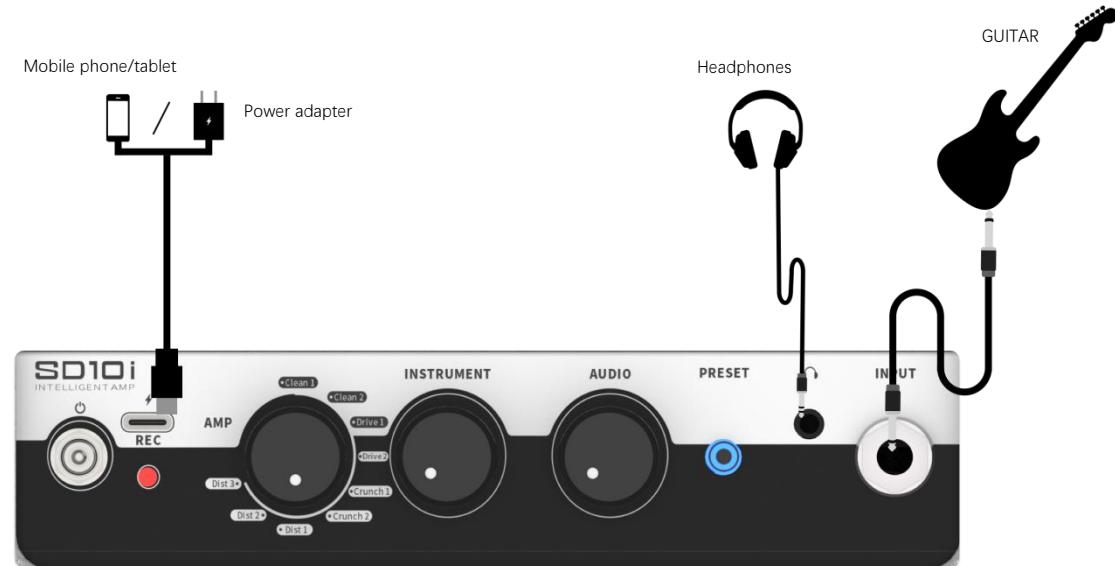
6, AUDIO knob: Bluetooth audio, OTG playback audio volume knob.

7. PRESET with light key: Press the preset with light key to loop over the four presets in the current tone set, and the color of the key light indicates the current preset position.

8, headphone interface: 3.5mm TRS headphone interface, connected to the earphone use.

9, INPUT interface: 6.35mm TS instrument input interface for connecting Musical Instruments such as guitars.

3, device connection



Note: The speaker output of the SD10i is muted when the headphone jack is connected.

4. Get ready to start

1, boot:

To prevent damage caused by an instantaneous high volume, you are advised to turn off the INSTRUMENT and AUDIO knobs on the panel to the minimum before starting the system, and then turn on the power switch on the panel.

2. Connect instruments:

Connect your guitar to the INPUT port of the SD10i using the INSTRUMENT cable, wait a few seconds for it to turn on, and then adjust the instrument to the appropriate volume using the instrument knob.

3. Connect Bluetooth playback device:

Open the search list of Bluetooth input devices, find "SD10i Audio" in the device list and click to connect, it will show that you can play Bluetooth music through your device after successful connection. You can adjust your music to the appropriate volume using the AUDIO knob on the SD10i panel.

5, panel operation

The SD10i is paired with a dedicated APP for richer editing operations, but the panel is still open for most commonly used quick adjustments.

1. Preset switch

SD10i has a total of 10 groups, each group of 4, a total of 40 preset timbre. Before the iAMP APP is connected, you can loop the 4 tones in the current group by pressing the PRESET key on the panel.

2, AMP tone switching

The AMP nine gear on the panel allows quick selection of 9 different tone types;
Contains 2 Clean, 2 Overdrive, 2 Crunch and 3 Distortion.

3. Preservation of timbre

After the tone color is edited, long press the PRESET button on the panel to save. The key light blinks rapidly indicating that the saving is complete.

6, MOOER iAMP APP

1. Download the MOOER iAMP APP

Download the MOOER iAMP APP by logging into the designated app store according to your smart device system.

2. Device connection

Open the iAMP APP and select SD10i on the login page.

After entering the effect editing interface, click the Bluetooth icon in the lower right corner and select your device name (SD10i by default) from the list;

The connection is successful after the progress percentage is complete.

3. Account registration

It is recommended to register an account when using iAMP APP for the first time, so that you can log in to Magic Cloud to download massive presets made by users around the world, of course, you can also upload and share your own presets to the cloud.

4, preset selection/timbre editing/saving

- Click the Preset name area to pop up the preset list, click other preset names in the list to switch;
- Click the target tone module, select the tone type through the module name area below, slide the parameter bar to edit the parameter value;
- Click the selected module again to change the switch status;
- Long press the target module to drag left and right to change the effect chain order;
- Click the Save icon to the right of the preset name to save.

5, cloud audio upload/download

This function requires an account registration and login to use.

Download: Click the icon  in the upper left corner - timbre Cloud, select the timbre type, click "Trial" to preview the timbre, click the download icon and select the location to save.

Upload: Select the target preset, click the icon  in the upper left corner - Upload, fill in the description information, classify by tone type, and click Finish.

6. Atmosphere lights

The ambient light on the SD10i front panel can be set to work mode and color within the APP.

Click the icon  - Settings - Atmosphere light in the upper left corner of the APP, and the menu options that pop up are as follows:

Off: Select this option to turn off the front panel atmosphere light;

Static: Select this item after the atmosphere light static display of the current selected color;

Dynamic: After selecting this item, you can check the color block, and the atmosphere light dynamically loops to display the current selected color.

7. Standby sleep function

In order to prevent the problem of battery depletion caused by forgetting to shut down, the SD10i has designed a standby sleep function.

Click the icon - Settings - Standby sleep in the upper left corner of the APP and select the appropriate time in the list. When the device detects that there is no operation and signal input beyond the set time, it will automatically enter the sleep mode to save power. The power indicator is blinking and PRESET and TAP indicators are off. Turn any knob on the panel or press any key to wake up the device during sleep.

Note: In the following cases, the device will not enter the standby state even if the standby function is set:

A, drum machine, tuner or Looper any module is open and running;

B, when there is data in the Looper (to ensure that Looper data is not lost);

C, access the charger charging;

D, there is continuous detection of the input signal and panel operation.

8. Firmware update

SD10i supports connecting to the APP for firmware update. When a new firmware version is released (usually the APP needs to be updated), the firmware update prompt box will pop up when logging in to the APP. Click Update firmware, and the device will enter the update mode.

9, restore factory

Click the icon  - Settings - version number to restore the factory, the restored user preset data will be cleared and restored to the factory state.

7, MOOER F4 wireless nail function

The SD10i supports the connection of MOOER F4 pinless (purchased separately) for extended function control, including preset timbre
Switching, drum /LOOPER operation, TUNER tuning function, dot setting speed.

First use requires pairing

Turn on the F4 power supply, long press the A & C pin of F4 to enter the pairing mode. After entering the pairing mode, the pin light flashes, then click the pedal icon in the APP, and click to start pairing. After the pairing is successful, the F4 screen displays the current preset number.

Preset switch

Step down the presets in the A/B/C/D step down switch group, step down the A&B step up flip group (increasing), and step down the C&D step down flip group (decreasing).

TAP TEMPO sets the speed

If the delay module is enabled in the current preset, the current spike light will blink according to the delay time value, and continuously press the current preset spike to set the time value of the delay module.

TUNER Tone correction function

Long press any pin to access the TUNER function. If the APP is enabled, the TUNER screen is displayed. You can quickly use the tone correction function through the wireless pin display even if the APP is not connected. The letters on the left side of the screen show the sound name, the right side shows the pitch status, showing a steady "0" for pitch standard, counterclockwise for low, clockwise for high.

Drum machine /LOOPER control

The SD10i is equipped with an 80-second LOOPER and a drum machine with 40 common style rhythms, and supports synchronization of the drum machine LOOPER. A better control experience can be achieved with F4 wireless stepping nails.

Enter drum machine LOOPER control mode:

Press the B&C peg at the same time in the preset switching state. At this time, the wireless peg screen displays "LD", indicating that the drum machine LOOPER mode is entered. If you need to exit, press the B&C peg again to return to the normal preset switching state.

Controls:

In drum machine LOOPER mode, A/B treadle is used as A regular LOOPER operation (A: record/place/stack, B: stop/long treadle clear);

The C/D treads are used as the starting speed (C) and the start/stop (D) of the drum machine, respectively.

In the display "LD" state, long press the C nail to enter the rhythm type selection, then the screen displays the rhythm type number, step down

C and D pegs select the drum rhythm for decreasing/increasing, respectively. This interface

automatically exits to "LD" after several seconds of no operation Screen.

8, OTG recording/playback

The Type-C interface of the SD10i supports the connection of mobile devices such as mobile phones for high-quality digital audio recording/playback. When connecting the mobile phone, you need to purchase a separate OTG adapter cable matching the mobile phone (such as USB-A female to Lightning or USB-C) and USB-A to USB-C data cable or a single OTG data cable for device connection.

9, Technical parameters

Power: 10 W (5 W x2) Class D power amplifier

Mono/Stereo: Stereo sound

Speakers: 2 2-inch custom full-frequency speakers

Number of effects: 52 speaker simulations, 49 effect types (dynamic processing/distortion overload/modulation/delay/reverberation)

Phrase loop: 80 second stereo phrase loop

Wireless stomping nails: Supported

Bluetooth: Bluetooth audio and APP control

USB digital audio: OTG recording, playback

Input impedance: 1Meg ohm

Headphone impedance: 1ohm

Power input: 5V 2A

Battery capacity: 3000mAh 7.4V 22.2Wh

Size: 233mm x 133mm x 140mm

Weight: 1.28kg

Accessories: USB-C to USB-A data cable, quick guide

FCC Warning:

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. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.