

**MOOER**

**SD30i**

INTELLIGENT AMP

**Owner's Manual**

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# INTRODUCTION

The SD amplifier series is a harmonious marriage between MOOER's famous digital preamp technology and a new take on traditional solid-state Class D amplification techniques that deliver professional "tube like" performance, touch and feel, at entry level prices.

Each model in the SD series comes fully loaded with a whole host of special-features and effects that provide everything you need to craft incredible guitar tones for creating music on-stage or in the practice room.

These tones can be stored in 40 preset slots and be easily recalled using the iAmp app or a wireless footswitch (not included).

SD amps feature a unique JAM section that contains a whole suite of tools for solo performers and creative aficionados alike, such as an integrated looper, syncable Drum Machine and Bluetooth connection for playback of your favorite audio tracks from an external device.

## Precautions

To avoid electric shock, short circuit, injury, fire hazard, or any other dangerous factors causing damage or death, please read the instructions carefully before using the device:

### Power Supply

- Please use the included 19V 2.5A power adaptor for charging.
- The original power supply is designed for MOOER devices only. Please do not use it for other devices.
- Please use a power supply that meets the power requirements of the MOOER device. The power supply should be approved by the relevant authorities and meet the local regulatory requirements (UL, CSA, VDE, CCC).
- Please ensure that the mains voltage meets the requirements stated on the power adaptor.
- Please do not use the power supply in a humid environment.
- After using the device for an extended period of time, please check that jack and power cord are still in proper working order. Remove dust and dirt deposits to avoid unexpected damage.
- Please unplug the power supply from the socket if the device is not used for a long time or during an electrical storm.
- Please power off the amplifier, and unplug the power supply, if the amplifier is not used for a long period of time.

## **Battery**

- In order to avoid electric shock, damage to the device or fire, please do not activate or charge the device in a humid environment.
- To avoid damages, please use the specified power adaptor for charging.
- To avoid an accident, please do not charge the battery in an environment with flammable materials or explosives. Ensure that you can quickly unplug the power cord in case of an accident.
- Should peculiar smells or strange noises occur during charging, please stop charging as soon as possible and contact the after-sales team for repair or replacement.
- In case of leaking liquid, do not let the liquid come in contact with your skin or eye. Should contact occur, we recommend contacting a doctor as soon as possible.
- To avoid fire or explosion, please do not disassemble the battery. Do not squeeze it or throw it into fire or water. Please do not use the battery if it bulges.
- Please do not expose the device heat and do not use it after it was soaked in water.

## **Interference with other electrical devices**

Radios and televisions placed nearby may experience interference with reception. Operate this device at a suitable distance from radios and televisions.

## **Operation**

- Please do not toggle the switch or rotate the knobs with excessive force.
- Please do not drop the amp, and avoid heavy blows.
- Please do not modify the unit without authorization.
- Should repairs be required, please contact the MOOER support team for more information.
- Always turn the amplifier and other devices off before setting up connections to avoid malfunctions and unexpected damage. Before moving the amplifier, please ensure that it is powered off and disconnected from other devices.

## **Storage and usage locations**

To avoid deformation, discoloration, or other serious damage, do not expose this device to any of the following conditions:

- direct sunlight
- extreme temperature or humidity
- excessively dusty or dirty locations
- magnetic fields
- high humidity or moisture
- strong vibrations or shocks

# FEATURES

- Digital modeling amplifier based on the MOOER iAMP system
- 52 amp models created with MNRS technology, and 49 classic and experimental effects
- 30-watt stereo amplifier with 2 four-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



- 01 **DC IN:** Connect to 19V 2.5A (center positive) power supply. Original power supply is recommended for avoiding unexpected noise issue.
- 02 **Power Indicator:** Indicate the On/Off status and the battery life. GREEN for more than 50% battery life; YELLOW for 25%-50% battery life; RED for less than 25% battery life, recommend to charge the device as soon as possible.  
**Power Toggle:** Toggle up for power On; toggle down for power Off.
- 03 **PRESET:** Preset control LED button. Press to go through four presets of current preset bank. The color of the LED
- 04 indicates the current selected preset.
- 05 **TAP:** Press for several times to set up a speed of delay time.
- 06 **USB-C:** For OTG direct recording and audio playback.  
**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 of WIN platform, ASIO driver is needed, which will cause compatibility issue.**
- 07 **HEADPHONE:** 3.5mm TRS headphone jack for headphone connection.
- 08 **INPUT:** 6.35mm TS instrument input jack for connecting to guitar or any other electric instrument.
- 09 **AMP:** Rotate to select from 9 different amp models quickly.
- 10 **GAIN:** Rotate to adjust the gain value of AMP.
- 11 **BASS:** Rotate to adjust the bass frequency of AMP.
- 12 **MID:** Rotate to adjust the middle frequency of AMP.
- 13 **TREBLE:** Rotate to adjust the treble frequency of AMP.
- 14 **VOL:** Rotate to adjust the volume level of AMP.
- 15 **CHORUS/VIBRATO:** Rotate to adjust the chorus/vibrato effect. The Left part of the knob is for chorus effect; the right part is for vibrato. Rotate to the far left to turn off the effect.
- 16 **ECHO/PLATE:** Rotate to adjust the echo/plate-reverb effect. The Left part of the knob is for echo effect; the right part is for plate reverb. Rotate to the far left to turn off the effect.
- 17 **INSTRUMENT:** Rotate to adjust the input level of the instrument signal. It is linked with the “INSTRUMENT” control in the mixer of the control App, sometimes you may need to tweak a little bit to get the ideal value.
- 18 **AUDIO:** The master volume level of Bluetooth audio, OTG playback.

# CONNECTIONS



**Note:** The internal speakers will be muted when a headphone is plugged into the headphone jack.

# GETTING STARTED

## 1. Power On

To avoid unexpected issues with loud noise, please turn the INSTRUMENT and AUDIO controls to the minimum value before switching the SD30i on.

## 2. Connect your instrument

Connect your guitar to the INPUT of the SD30i with an instrument cable, switch the SD30i on and wait until it boots up successfully. Rotate the INSTRUMENT knob to the desired volume level.

## 3. Connect to Bluetooth device

Open the Bluetooth menu of your mobile device, search for a new device, select “SD30i Audio” and confirm the connection. After establishing a successful connection you can use the SD30i for audio playback. Rotate the AUDIO knob to adjust the Bluetooth playback volume level.

# PRESET EDITING ON THE TOP PANEL

The SD30i uses a specialized iAMP App for controlling the amp and sound editing, but you can also control some of the features of the SD30i using the control elements on the top panel.

## Presets Switching

The SD30i features 10 preset banks; each bank includes 4 preset patches for a total of 40 preset patches. You can press the PRESET button to switch between four preset patches in the currently selected bank. The color of the PRESET button indicates the selected Preset (A= blue, B=green, C= purple, D=red).

The bank can only be selected in the iAMP app or using an optional footswitch. To change banks, open the app and select any preset in the desired bank (e.g. 4C). The PRESET button will then switch through the presets in this bank (e.g. 4A through 4D). Switching to a different preset does not change the positions of the knobs on the amp, so they may not represent the actual settings of the currently selected preset (i.e. a preset may use a clean amp model with low gain setting while the indicators on the AMP and GAIN knobs point to a high-gain crunch setting).

Turning a knob will activate the setting indicated on the knob and the PRESET Knob starts blinking to indicate a change in settings.

## Tone Editing

Rotate the AMP knob to switch between 9 different AMP types.

Rotate the GAIN, BASS, MID, TREBLE and VOL knobs to adjust the main parameters of your sound.

Rotate the CHORUS / VIBRATO and ECHO / PLATE knobs to adjust the modulation effects.

If the current preset features a delay effect (ECHO), you can press the TAP button several times to set the delay time of effect. The TAP button will blink to indicate the delay time.

Rotate the INSTRUMENT knob to adjust the input level of the instrument input signal, including the guitar, drum machine, and looper signal. Rotate the AUDIO knob to adjust the playback volume level for Bluetooth audio and/or OTG audio.

After changes have been made, the PRESET button starts blinking to indicate that changes have been made to this preset.

## Saving Presets

After editing is complete, press and hold the PRESET button to save the currently selected preset. The PRESET button will blink quickly to indicate successful saving and then stop blinking.

If you want to discard your changes, simply switch to another preset without saving the current preset. When you return to the current preset, it will have reverted to the previous settings.



# AUDIO PLAYBACK

SD Amps are capable of audio playback from your favorite external media device. There are two ways for connecting external devices with the SD30i amp for audio playback:

**Bluetooth-Connection:** Open the Bluetooth menu of your mobile device, search for a new device, select “SD30i Audio” and confirm the connection.

**OTG-Audio:** Connect the SD30i to your mobile device using the USB-C jack and an OTG adapter or connect it to a computer using the USB-C to USB-A cable.

After establishing a successful connection, you can use the SD30i for audio playback:

- Start the audio playback on your device/computer.
- Rotate the AUDIO knob on the SD30i to adjust the volume level for Bluetooth or OTG playback. You can also adjust the volume using the audio controls on your device/computer.

# OTG RECORDING/PLAYBACK

By connecting to a Smartphone, computer or tablet, the SD30i supports audio playback and direct recording over OTG using the USB-C port on the panel.

For connection to a mobile device, an OTG cable/adaptor (USB-C to USB-A female) may be required (to be purchased separately). You can use the included USB-C to USB-A cable for connecting to a computer.

The OTG recording function of the SD30i is designed for easy and direct recording on a mobile platform. It cannot replace a professional audio interface. Specifically, it cannot meet the requirements for low latency recording on Windows DAW so there may be some compatibility issues (please download ASIO4ALL drivers for Windows applications).

# MOOER iAMP APP

## Download the MOOER iAMP App

Please download the MOOER iAMP App from Google Play Store or Apple App Store.

## Download the MOOER iAMP App

Activate Bluetooth on your mobile device.

Open the iAMP App, select “Shadow Series” on the Home screen, tap on “Searching Device” and tap on SD30i under “Device”. Wait a few seconds until the connection is established and “Connected” is displayed.

Tap on the image of the SD30i to open the Edit page.

## User interface

The top of each screen shows the following tabs:





☰ (Menu), Effects, Library, Mixer and ?


Tapping on “?” displays help icons over each element on the screen. Tap the icons to read a description of the respective element. Cancel the help mode by tapping the X in the upper right corner. The bottom of the screen shows:

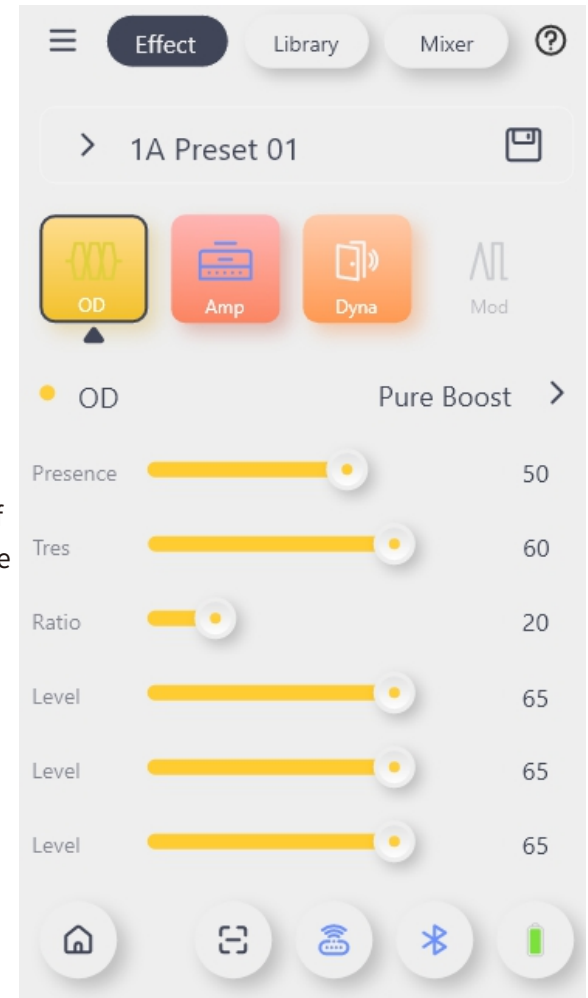
 **House** button to return to the home screen

 **Footswitch** button for connecting to a wireless footswitch

 **Bluetooth icon:** Blue if Bluetooth connection is successful. If the Bluetooth button is grey, the Amp is either off, in sleep mode or out of range. Turn the amp on or wake it up or bring it closer to your mobile device and tap the Bluetooth button to re-establish the connection.

 **Battery** status of your SD30i

 **Scan button:** This button is only shown when the app is used for the first time. Use the scan button to scan the QR Code on the back of your amp.



# PRESET EDITING USING THE iAMP APP

## Effect Page

### Preset selection

- The App comes pre-configured with 40 sample presets.
- The currently active preset is shown below the page tabs.
- Tap on the preset name to open the preset list and select another preset.
- The preset indicated in the App also changes when you tap the PRESET button on the SD30i or when you use the optional footswitch.
- If you switch presets after you have made changes to a preset, you need to save the preset first by tapping the Save icon behind the Preset name.

**NOTE:** If you switch presets after you have made changes, your changes will be discarded without warning, unless you save them before switching.

### Preset selection

The next row shows the chain of effect modules. The following module types are available:

**OD** = overdrive and distortion effects

**AMP** = amplifier simulations

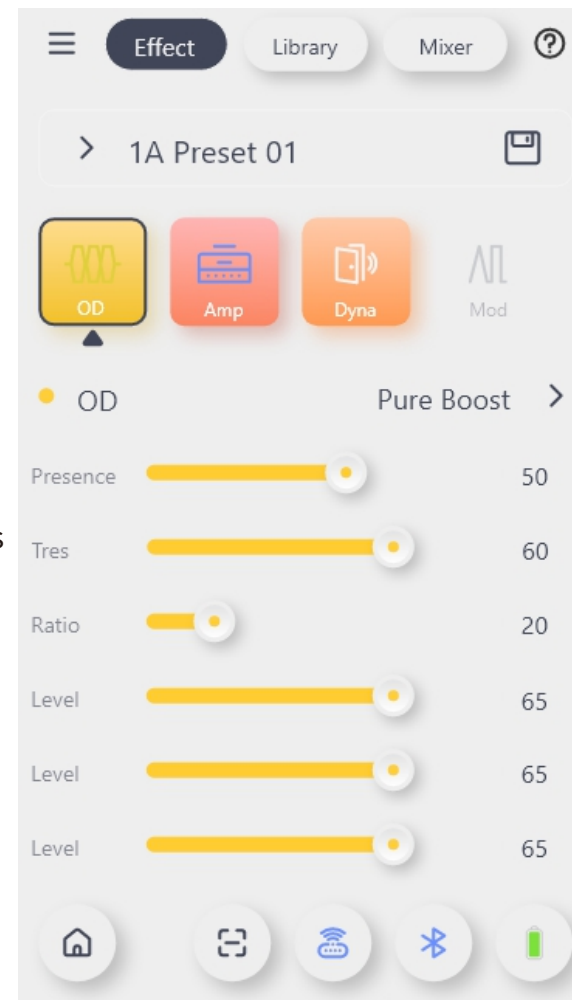
**DYNA** = dynamic effects

**MOD** = modulation effects

**DELAY** = delay and echo effects

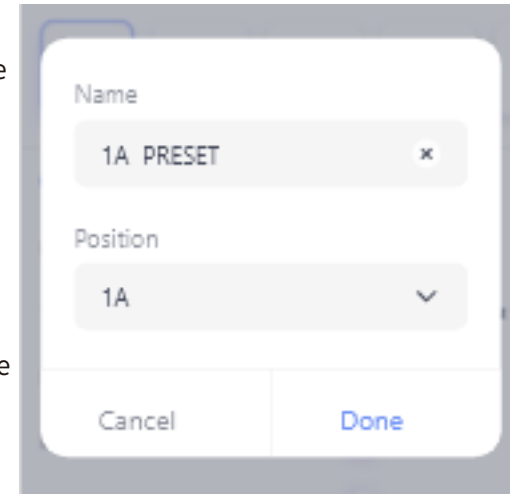
**REVERB** = reverb effects

- Modules shown in grey are not active. Modules shown in color are active.
- Tap on a module to activate or deactivate it.
- Slide to the right or left to show more modules.
- Tap and hold a module and drag it left or right to change its position in the effect chain.



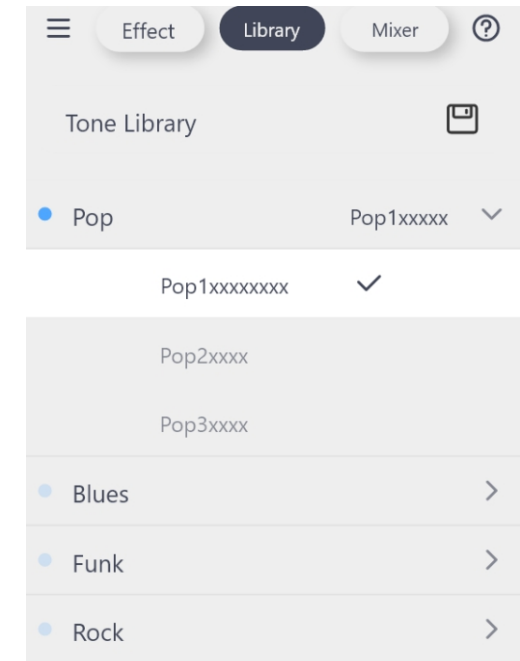
## **Preset selection**

- Tap the Save icon behind the preset name to re-name and save the preset. You will be prompted to specify a name and a storage location.
  - Edit the name to your liking. If you upload your Preset to the cloud, it will be published under this name.
  - Specify a storage slot.
  - The SD30i provides 10 preset banks (0 through 9) with 4 slots each (A through D).
- NOTE:** The number (0-9) determines the bank and the letter (A-D) determines the position of the Preset within the bank. The 4 positions in a bank can be toggled with the PRESET button on the Amp. The color of the PRESET button indicates the selected Preset (A= blue, B=green, C= purple, D=red).
- NOTE:** Saving a Preset in a slot will overwrite the preset currently stored in this slot.
- Tap SAVE to save the Preset or CANCEL to discard your changes.



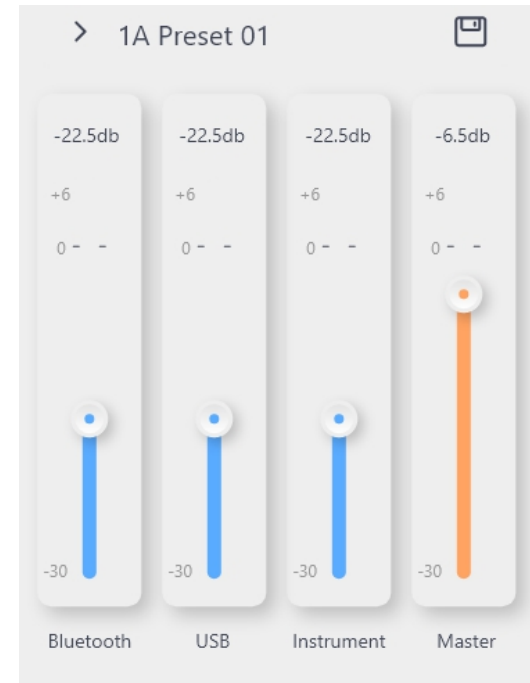
## **Library Page**

This page shows a list of pre-configured sounds you can use as a basis for your own creations. The samples are grouped by style for easier identification. Select a sound and use the Save icon to store it in a Preset slot and then adjust it to your liking on the Effect page.



## Mixer Page

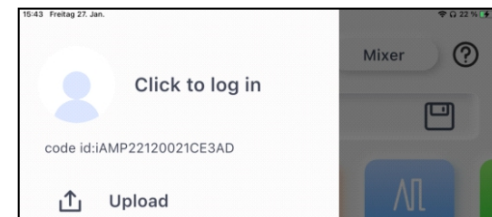
This page shows a mixer with faders to adjust the output levels for different sources (Bluetooth, USB, Instrument) as well as a Master volume fader. The Instrument fader interacts with the Instrument knob on the amp.



## Menu

### Account info

This page shows a mixer with faders to adjust the output levels for different sources (Bluetooth, USB, Instrument) as well as a Master volume fader. The Instrument fader interacts with the Instrument knob on the amp.



Your profile is shown after you have registered. You can tap your Profile info to open a list of your **Downloads** and **Uploads** as well as and your **Backup / Restore** options where you can back up all your settings to the cloud. Always use Backup/Restore before you update or reset your SD30i.

You can log out by clicking the  icon on the HOME screen.

## **Upload**

After registering, you can use this feature to upload your current Preset to the cloud and share it with other users this way.

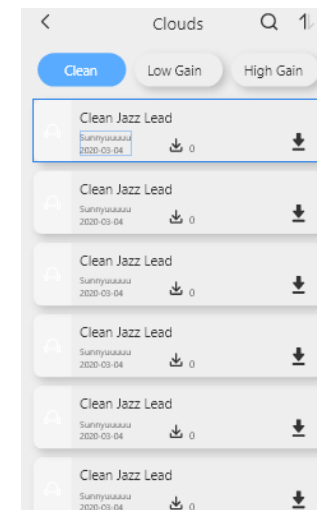
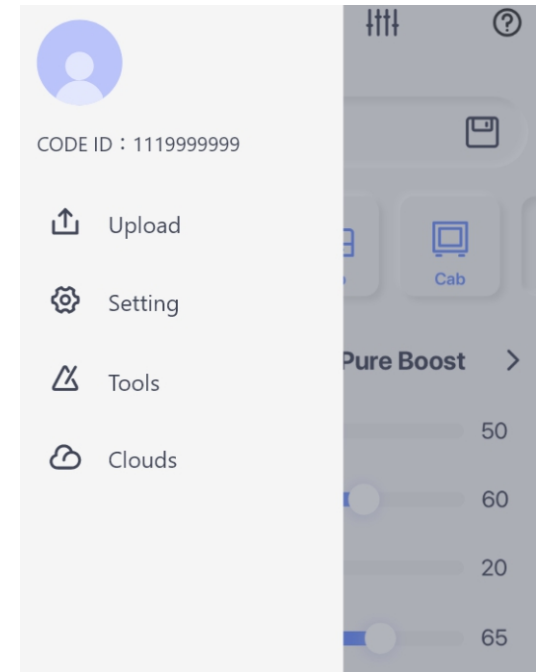
Name your Preset, add a description and select a style. Then tap **Done** to **upload** or Cancel to return without uploading.

## **Clouds**

After registering, you can use this feature to explore presets that have been shared by other users.

Tap the headphone icon to test the preset or the download icon to download the preset into your amp. You will be prompted to specify a preset slot where the downloaded Preset is stored.

**NOTE:** The downloaded Preset will overwrite the Preset currently stored in this slot!



## Setting

### Global Bypass

Activating this feature bypasses all effects and lets you EQ your amp without interference from presets.

### Global EQ

Here you can activate and adjust global EQ settings for the amp, independent of any Preset settings.

### Input Gain

This setting adjusts the input gain for the Amp. Use it to attenuate clipping if you are using pre-amplifying effects in front of the amp.

### Sleep Settings

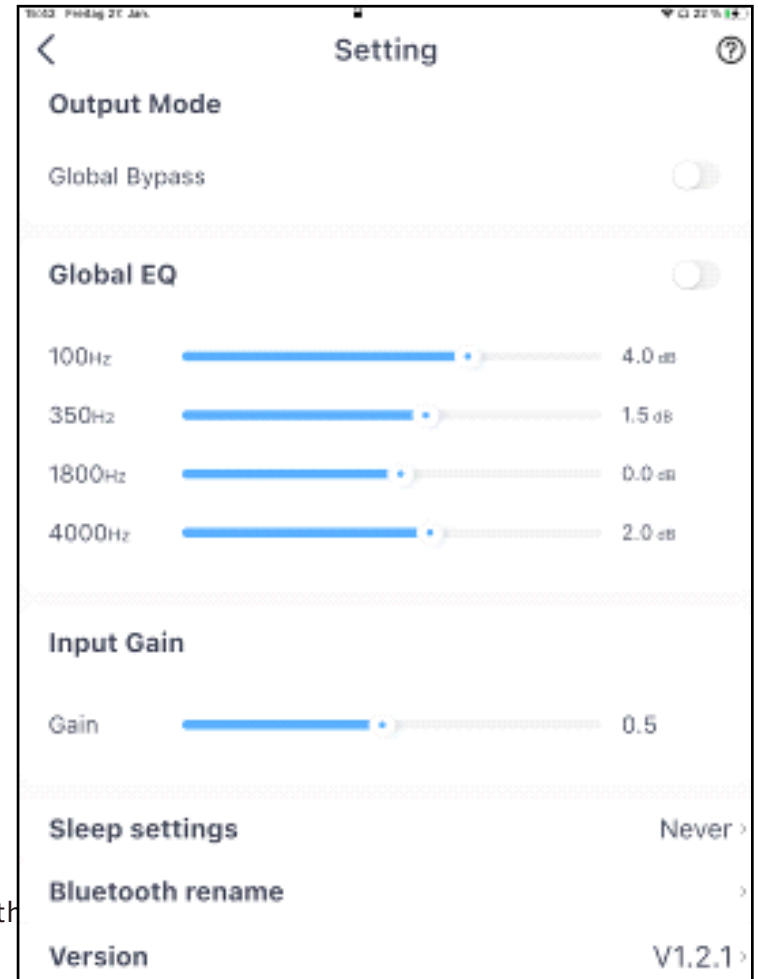
The SD30i features a sleep/standby mode for power saving.

If the amp is idle for the time specified in this setting, it will enter the Sleep mode.

The power LED will blink slowly and all other LED will be turned off. You can “wake” your amp by turning any knob or pressing a button.

**NOTE:** The following conditions will prevent the SD30i from entering the standby/sleep mode:

- The drum machine, tuner or looper is active.
- A track has been recorded in the looper. (To ensure that the recorded loop is not deleted automatically after return from standby mode.)
- The SD30i is charging.
- A signal is detected on the input jack.
- Settings are being adjusted on the SD30i.





## **Bluetooth Rename**

Use this setting to specify how your amp is shown in the list of Bluetooth devices.

## **Version**

This field shows the current Version of the App and the SD30i Firmware.

Tap on the field to perform a manual update check or a reset to factory settings.

## **Update Check**

- You can use Update Check to manually check for updates.
- Please back up your presets to the cloud before performing an update.
- The SD30i supports firmware updates via App. When new firmware is launched, an update window will pop up in the App. Normally, the App also needs to be updated in this case.
- Follow the prompts to update the firmware. The device will then be booted into update mode. Please wait for a few minutes. The device will reboot automatically after the update is complete.

## **Reset**

- **This will reset your SD30i Amp and the App to factory settings!**
- Please back up all your presets to the cloud to prevent them from being deleted. You can later restore them from the cloud.

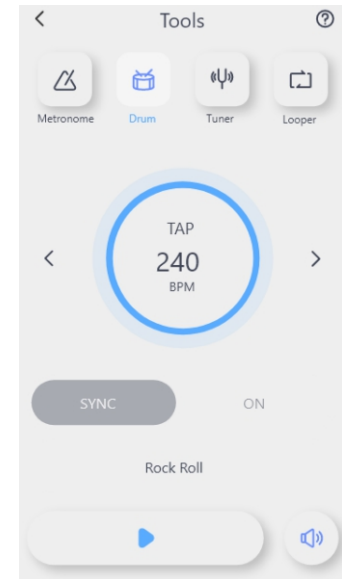
## **Tools**

### **Metronome**

- You can select one of 10 different metronomes.
- Adjust the metronome volume with the help of the **Speaker** button.
- Tap the **TAP** button several times to adjust the tempo. Use the left/right arrows for fine tuning.

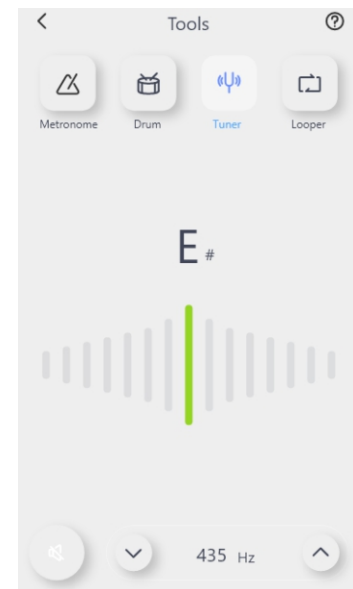
## Drum Machine

- Tap on the **name** of the drum pattern to select one of 40 different drum patterns.
- Adjust the volume with the **Speaker** icon.
- Tap the **TAP** button several times to adjust the tempo. Use the left/right arrows for fine tuning.
- Use **SYNC** to sync the Drum Machine with the Looper.  
(The Drum Machine will start after a count-in when you start recording in the Looper.)
- Tap the **Play** button to start / stop the Drum Machine.



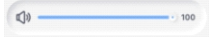




## Tuner

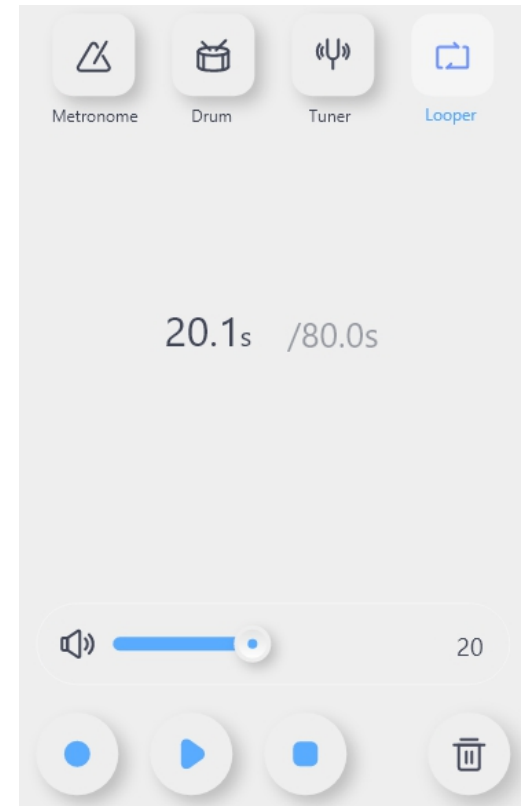
- The Tuner bar indicates whether your string is sharp or flat. Perfect tune is indicated by a **green line** in the center.
  - The tuner automatically detects the **string** you are trying to tune.
  - You can adjust the **standard pitch A** by tapping on the arrows next to the **frequency readout** (standard A is 440 Hz)
  - Use the **Speaker** button to enable/disable silent tuning.
- NOTE:** If you are not using silent tuning, any effects will be disabled during tuning and you can hear your guitar in a clean amp configuration.



## Looper

You can use the Looper to record loops of up to 80 seconds.


-  Adjusts the playback **volume**.
-  **Starts** a loop recording (including a count-in when the drum machine is synced with the looper), starts overdub for the second layer of the loop
-  **Stops** the recording and plays the loop
-  **Stops** recording or playback
-  **Clears** (deletes) the recorded loop.



# MOOER F4 WIRELESS FOOTSWITCH

The SD30i supports MOOER's F4 wireless footswitch (to be purchased separately). It allows users to control preset switching, drum machine, looper and tuner and it provides a tap tempo function. Please consult the manual for the F4 footswitch for battery specs and charging requirements.

## Pairing

- You must use the iAMP App to pair the footswitch with your SD30i before you can use it for the first time.
- Power the GWF4 footswitch on, press and hold footswitch A and C to enter pairing mode, and the footswitch LEDs will start to blink.
- Tap the footswitch icon  at the bottom of the iAMP app page to start pairing.
- After pairing is complete, the screen on the F4 footswitch will show the currently selected preset number and the LEDs stop blinking.

**NOTE:** The footswitch only needs to be paired once (or after a reset) and will then automatically connect when SD30i Amp and F4 Footswitch are turned on.

After the initial pairing through the app, the footswitch can be used to control the SD30i even without the iAMP app being active or connected.

## Preset Switching

The Footswitch will always indicate the selected preset, regardless of whether it was selected using the PRESET button on the amp, the preset selection list in the iAMP app or the A-C buttons on the footswitch.

- Press the A/B/C/D buttons to switch between four preset patches in the current bank.

The selected preset will be indicated by the respective LED above the footswitch and in the footswitch screen: the number indicates the bank and the netter indicates the preset within the bank (e.g. "3d"). For better readability, **A** and **C** are represented as capital letters;

**b** and **d** as lower case letters.

## **Bank Switching**

- Press switches A and B simultaneously to scroll up through the preset banks.
- Press switches C and D simultaneously to scroll down through the preset banks.

Once the bank is selected, the preset indication in the footswitch screen starts blinking, but the preset is not yet active. You need to tap one of the four footswitch buttons, to select a preset within the selected bank. Only then will the amp activate the selected preset and the footswitch indication stops blinking.

## **Tap Tempo**

- If a Delay effect is active for the currently selected preset, the respective footswitch LED will blink to indicate the tempo for the delay time.
- Tap this footswitch repeatedly in the desired tempo to directly adjust the delay time. The tap tempo may not exceed the max/min delay time for the selected effect.

**NOTE:** The Tap-Tempo Mode is indicated by dots being shown behind the letters and numbers in the footswitch screen (e.g. “3.C.”). You can adjust the tap tempo while the dots are shown. The tap tempo mode will be deactivated after 2.5 seconds without input, the dots disappear and the footswitch returns to preset switching mode.

## **Tuner**

- Press and hold any footswitch to enter the TUNER mode.

**NOTE:** The iAMP app (if active and connected) will also enter the TUNER Mode, but you can use the footswitch for tuning without the app.

- The left block of the screen shows the nearest note, while the right block shows the pitch. semi-notes are indicated by # (e.g. “A<sub>#</sub>0”)
- The right block does not move if the string is in tune, it will rotate counterclockwise if the note is flat or clockwise if the note is sharp.
- Tap any footswitch button once to leave the tuning mode and return to preset switching mode.

**NOTE:** Tuning will be silent if you have activated the silent tuning mode in the iAMP app (speaker icon in the Tuner page). If you are not using silent tuning, any effects will be disabled during tuning and you can hear your guitar in a clean amp configuration.

# Drum Machine/Looper Control

The SD30i is equipped with a built-in 80-second looper and a drum machine with 40 grooves. The looper and the drum machine can work simultaneously. Use the F4 footswitch for a better control experience.

## Opening / closing Drum Machine and Looper Mode

- In preset switching mode, press switches **B and C** simultaneously to enter the Drum Machine and Looper mode. The footswitch screen will show “**Ld**”.
- Press switches **B and C** simultaneously again to return to the preset mode.

## Controlling the Looper

In “Ld” mode, footswitches **A and B** are used for looper control:

### ● **A: REC/PLAY/DUB**

Tapping A will start the recording, tapping A again will play the recorded track, tapping A yet again will start an overdub recording over the first track layer and so on ...

The A LED blinks during Record/Overdub and is continuously lit during Playback.

If Drum Machine Sync is activated in the iAMP app, tapping A will initiate a count-in and then play the selected drum groove while recording the loop.

### ● **B: STOP / Hold to CLEAR**

The B LED is lit when Recording/Playback is stopped and off, after the track was cleared.

## Controlling the Drum Machine

In “Ld” mode, footswitches **C and D** are used for looper control:

### ● **C: Tap Tempo.**

Tap tempo input for the drum machine works the same way as for delay tempo:

Tap button C several times while dots are shown in the screen (“L.d.”)

### ● **D: Play/Stop.** Starts/Stops the Drum Machine

● Press and hold footswitch C in “Ld” Mode to enter the Groove selection mode.

The screen will indicate the number of the currently selected groove.

Press switches **C or D** to **scroll down/up** between grooves. Refer to the iAMP app for names and numbers of the grooves.

The groove selection will be deactivated after a few seconds without input and the footswitch returns to “Ld” mode

# SPECIFICATIONS

**Rated power:** 30 W (2 \* 15 W)

**Mono/Stereo:** Stereo

**Speaker:** 2\*4-inch customized full range flat response speaker

**Frequency range:** 20 Hz - 20 kHz

**Number of effects:** 52 amp models, 49 effects (dynamic/distortion/modulation/reverb)

**Looper:** 80-second stereo looper

**Wireless footswitch:** supported

**Bluetooth:** Bluetooth audio playback and App control

**USB digital audio:** OTG audio recording, OTG audio playback

**Input impedance:** 1 MΩ

**Headphone impedance:** 1 Ω

**Power requirements:** 19V 2.5 (center positive)

**Battery:** 4000 mAh, 14.8 V, 63.2 Wh

**Dimensions:** 350mm (D) x 180mm (W) x 193mm (H)

**Weight:** 5.13kg

**Accessories:** Power supply, quick guide

# TONE

## 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	Rockverb 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

## AMP

serial number	name	serial number
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

## DYNA

serial number	name	serial number
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

## MOD

serial number	name	serial number
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	Rotary	Rotary effect
10	Ana Chorus	Warm analog like chorus effect
11	Tri Chorus	Modern multi chorus effect
12	Ring	Can produce the ring like tone
13	Q-Filter	Modulation filter effect
14	Lofi	Downsampling effect
15	Slow Gear	Slow pronunciation effect

## DELAY

<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
6	Reverse	Delay with reversed signal

## REVERB

<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

**MOOER**

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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.