

BAIO

BOX ALL IN ONE

USER MANUAL

The BAIO (acronym for Box All In One) is a handy portable multifunctional small pedal, suitable for both guitars and basses.

Main Features:

- 9 preamp types with tone and gain controls.
- 8 IRs (Impulse Response) for as many amplifiers, selected and adapted to the BAIO by Massimo Varini and made by ChopTones.com (leading Italian company for IR and profiles).
- 2 Modulation Effects (Chorus & Phase Shift).
- 1 Reverb Effect.
- 1 adjustable Delay (Tape) - amount, Delay Time, and Feedback.
- Live / Preset function (3 storable presets).
- Built-in tuner with Mute function.

BAIO features intriguing additional functions:

- It works with rechargeable batteries (built-in - about 6 hours of continuous use). Simply recharge the pedal via USB. Designed to simultaneously operate and recharge.
- It works as an audio interface when connected to a computer via USB.
- It works as an audio interface when connected to a smartphone.
- Bluetooth function (input) allows you to play backing tracks from any BT device;
- The input signal from the BT is routed to the audio outputs and mixes through the device volume, adjusting it according to the BAIO output volume.
- You can easily load other IRs via software.

Info & Download: ekoguitars.it/baio



TECHNICAL SPECIFICATIONS

INPUT:

Standard 1/4" mono/TRS Jack

OUTPUT:

Standard 1/4" mono/TRS Jack

SAMPLE RATE & BIT DEPTH:

48kHz / 24 bit

BATTERY CAPACITY:

600 mAh

SIZE (mm):

162x61x23

WEIGHT:

260 g

QUICK START – STEP BY STEP

Turn the power on; the pedal turns on in PRESET mode.

Press buttons 2 and 3 simultaneously to switch to LIVE mode.

Press buttons 1 and 3 to activate the IR / REV and PREAMP section (you will notice the switched-on LEDs on the potentiometers and above the flashing buttons).

Temporarily disable DELAY and MOD by pressing button 2.

Set the IR knob on any position from 2 to 9 (not on the first one which is IR OFF).

Adjust the OUTPUT volume to your preferred level (remember that long-term exposure to high-volume sounds can cause permanent hearing loss).

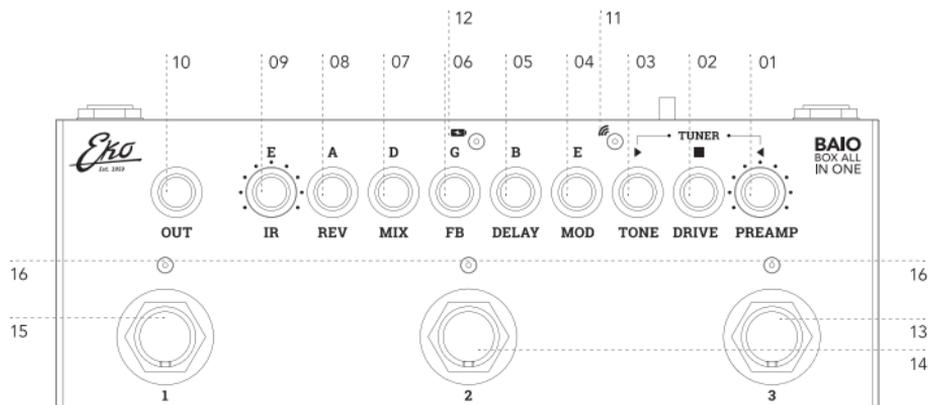
By turning the PREAMP knob, you can listen to the different sounds, adjusting TONE and DRIVE as desired.

Adjust the REV parameter with the relative knob, as desired.

Press the button 2 to activate the DELAY / MOD section and adjust it to your liking.

Once you get a sound you like, press and hold one of the 3 buttons, which will flash to indicate the preset has been saved.

FRONT PANEL



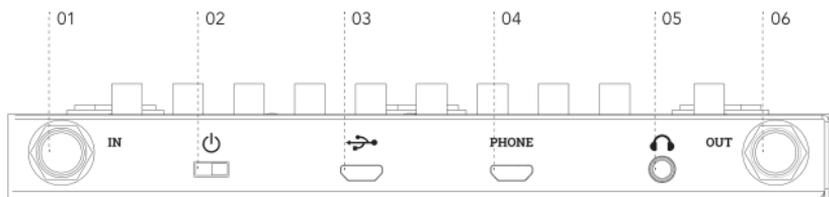
- 01. PREAMP:** This knob selects the preamp type.
- 02. DRIVE:** This knob adjusts the amount of gain and consequently the distortion.
- 03. TONE:** This control adjusts the tones; turn it right (clockwise) to increase the amount of treble and reduce the amount of bass; vice versa, turn it left (counterclockwise) to reduce treble and increase bass;
- 04. MOD:** In center position it turns off the LED and Modulations; turn it left (counterclockwise) to adjust the amount of Chorus; turn it right (clockwise) to adjust the amount of Phase Shift (Phaser).
- 05. DELAY:** It adjusts the Delay Time (turning it clockwise makes Delay Time slower).
- 06. FB / FEEDBACK:** It adjusts the amount of repetitions.
- 07. MIX:** It adjusts the amount of Delay.
- 08. REV / REVERB:** It adjusts the amount of the Reverb effect.
- 09. IR / IMPULSE RESPONSE:** It selects the IR type, as if you were changing the speaker (cabinet) and its microphone.
- 10. OUT:** It adjusts the output volume.
- 11. BT:** It indicates whether the Bluetooth is ON or OFF (holding down buttons 1 and 2 turns it ON / OFF).
- 12. BATTERY** – When connected to the USB, it indicates whether the battery is being recharged.

13. 14. 15: **SWITCHES** (buttons) - They are used for changing presets (PRESET mode is activated alternatively to LIVE mode by briefly pressing buttons 2 and 3) and to activate the 3 sections: IR / REV, DELAY / MOD, PREAMP; to activate Bluetooth: press and hold buttons 1 and 2; to activate TUNER function: press and hold buttons 2 and 3.
16. **LEDs** – These LEDs indicate the BAIO different states: in PRESET mode, they indicate the selected preset (1, 2, or 3); in LIVE mode they indicate the current activated sections (the LEDs above the potentiometers are also activated).

COMBINATION OF BUTTONS

Pressing buttons 1+2 for a long time will activate the Bluetooth Mode. Briefly pressing buttons 2+3 will switch between LIVE and PRESET Mode. Pressing buttons 2+3 for a long time will activate the TUNER function (Mute).

SIDE / REAR PANEL



01. **IN:** Standard ¼" TS Jack Input.
02. **ON/OFF:** Turn the pedal ON/OFF (regardless of the charging mode).
03. **USB:** Through this port you can recharge the built-in battery, power the pedal and connect to the computer for use as a sound card or software loading of new IRs.
04. **PHONE:** Connecting this input to a smartphone with a dedicated cable, the BAIO works as an audio input device (sound card for compatible smartphones).
05. **HEADPHONES:** Headphones output (the signal from Bluetooth-connected devices is routed here together with the pedal output).
06. **OUT:** Audio output (the signal from Bluetooth-connected devices is routed here together with the pedal output).

PREAMP SECTION

The PREAMP knob allows you to select the follow preamp IR:
The DRIVE control adjusts the distortion (it affects the volume), the TONE control adjusts the EQ response.

IR NAME	TONE TYPE	#
US GOLD 50 B	surd	1
UK Gold Clean	surd	2
Cali-MK 3 Clean	overload	3
Power-Zone Dist	overload	4
Power-Zone Clean	overload	5
US Gold 100 Clean	distortion	6
Cali JP A	distortion	7
Cali JP B	distortion	8
Gas Station Clean	distortion	9

IR SECTION

In this section, which can be activated by pressing button 1 (REV is also activated, but you can deactivate it setting the potentiometer to zero), you can use the IRs specifically created for BAIO by ChopTones.com.

These IRs are selected and adapted by Massimo Varini.

Setting the potentiometer to zero (fully anticlockwise), the IRs are DISABLED and BAIO can be used for acoustic or bass guitars or to route the signal to a guitar amplifier input.

These are the amplifiers and the specifications for speakers and microphones by ChopTones.com:

01. No IR – IR OFF)

02. Based on a Mesa Boogie RoadKing 4x12 cabinet loaded with
Celestion V30 speakers, Shure SM57 + Royer R-121 + Beyerdynamic

- M160 + Heil PR30 for microphoning, Chandler Germanium preamp.
03. Based on a Mesa Boogie Standard 2x12 cabinet loaded with Celestion V-Type speakers, Shure SM57 + Sennheiser MD421 for microphoning, Chandler Germanium preamp.
 04. Based on a Mesa Boogie Oversized 4x12 cabinet loaded with Celestion V30 speakers, Sennheiser MD421 + Royer R-121 for microphoning, Chandler Germanium preamp.
 05. Based on a Marshall 1960 4x12 cabinet loaded with Celestion V30 speakers, Shure SM57 + Sennheiser MD421 for microphoning, Neve 1073 preamp.
 06. Based on a Fender George Benson Hot Rod 1x12 cabinet loaded with Jensen C12K speakers, Sennheiser E906 + Royer R-121 for microphoning, Neve 1073 preamp.
 07. Based on a Fender Twin Reverb '65 reissue 2x12 cabinet loaded with Jensen C12K speakers, Neumann TLM103 + Royer R-121 for microphoning, Neve 1073 preamp.
 08. Based on a Vox V212 BNX 2x12 cabinet loaded with Vox Alnico Blue speakers, Neumann U87 + Royer R-121 for microphoning, Neve 1073 preamp.
 09. Based on an Engl standard 4x12 cabinet loaded with Celestion V30 speakers, Shure SM57 + Sennheiser MD421 for microphoning, Chandler Germanium preamp.

TUNER

Press and hold buttons 2 and 3 to activate the Tuner function: the audio output is muted, and all the LEDs will turn off. Now the indications move to the writing above the potentiometers. According to the selected note (E, A, D, G, B, E) the LED of the potentiometer corresponding to the string will light up.

The first 3 pots / LEDs from the right will light up in this way:

PREAMP LED On: the note is sharp and the string must therefore be loosened.

TONE LED On: the note is flat and therefore the string must be tensed more.

DRIVE LED On: the note is perfectly in tune.