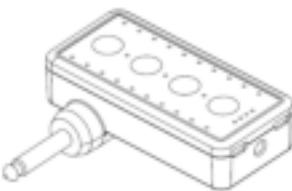


USER MANUAL



IRB Multi-Effects Headphone Guitar Amplifiers

II. Multi-Effects Headphone Guitar Amplifiers

Thank you for purchasing the IRB headphone guitar amplifiers. IRB is a comprehensive guitar effects with multiple functions. IRB has 10 factory presets, users can edit the presets to storage, and the operation method is simple and intuitive. The extremely small body contains a wealth of effect stages, and has a very good performance in guitar effect. IRB also has a built-in power supply battery, which can be used externally for the first time. Fully charged, it can be used to play headphones normally, where no external power source is required. IRB contains 10 classic PRESET, two commonly used modulation effects CHORUS/PHASER, a TAPE ECHO effect, a HALL REVERB effect, 10 classic IR cabinet simulations, and a high-precision TUNER. In addition, IRB also has high-quality mobile phone recording, wireless music playback and other functions on sale. IRB is small in size, great in performance, easy to carry, and excellent in tone. It is your good guitar companion!

Power Supply:

■ This machine is equipped with a built-in battery for power supply, which can be used for 5 hours after fully charged. If the battery is completely dead due to use, please use the USB 2.0 cable that comes with the machine to connect the charging part of the machine (please refer to the third item title (2) to A charger below UV (similar to a mobile phone charger) for charging; this device supports fast charging).

■ You can directly use the mobile phone power bank to directly supply power to the device, and the device supports charging power synchronization.

■ The charging time of this device depends on the output power of the charging transformer. Using a charging head with an output power of DC 3.0V/2.0A as an example, it can be charged when the local battery of this device is exhausted. Generally, it can be fully charged in 2 hours.

Precautions:
■ In the process of using this product, if the system freezes or indirectly fails, please keep pressing the On/Off button for 10 seconds and then release it. This operation is a forced restart of the device.

Communication reminder:
Without the effect is connected to headphones, power amplifier equipment or disconnected, please be sure to turn off the power and other equipment, which will help prevent equipment failure and damage to other equipment.

Placement:

In order to prevent deformation, discoloration and other damage to the product, please avoid the following situations:

■ Heat source ■ Magnetic field ■ Direct sunlight

■ High temperature and humidity ■ Strong wind

■ Dust or dirty place ■ Strong vibration or shaking

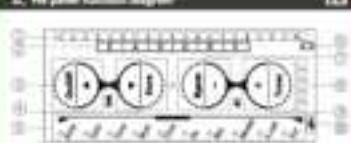
III. IRB's effect module link

■ Power—Input—Tuner—Amp Simulation—External Effects—With Effect—Delay Effect—Reverb Effect—GAIN Adjustment—Output to the headphones.



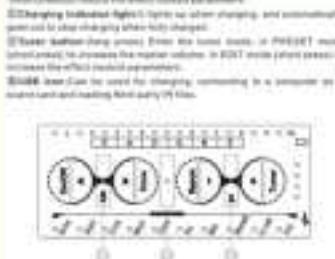
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IV. IRB panel function diagram



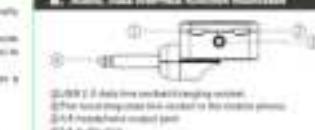
- When parameter change light is on, PRESET mode. It is the preset mode by memory, if you change the module's sound, it will store the content of last second, in the EDIT mode it is the last parameter stored.
- Effect holding long press (to enter the long scroll), the left light is the guitar, the right one is the effect, if holding will come.
- HoldUP button, long press (in EDIT mode, in PRESET mode, short press) is switch the previous preset, to do EDIT mode, click press, cancel the effect module for setting up.
- Bass button, long press, Press short button in PRESET mode, switch to the next preset in EDIT mode, short press, cancel the effect module for setting up.
- Effect module, holdUP button in PRESET mode, it increases the effect module, holdUP button in EDIT mode, it decreases the effect module.
- Effect module, holdUP button in PRESET mode, it increases the effect module, holdUP button in EDIT mode, it decreases the effect module.
- Mobile phone, record recording (recording circuit can be controlled by a switch for "phone recording").
- Volume button, long press (it increases the volume in PRESET mode, short press) to reduce the master volume in EDIT mode.

1. IRB panel function diagram



- When indicator light is off in the PRESET mode, and it is right in the EDIT mode.
- Preamp/Tuner indicator light is on/off in PRESET mode, use it to press the tuner module.
- EDIT indicator light is off in the PRESET mode, and it is right in the EDIT mode.
- Reverb/Phase indicator light is on/off in PRESET mode, use it to press the reverb module.
- IRB indicator light (the previous effect module indicator light) becomes when the previous device is connected. After the previous device is connected, the light turns to a steady state. It is off after the previous device is unconnected.

V. Audio, Bass, Treble, Tuning, Volume Adjustment

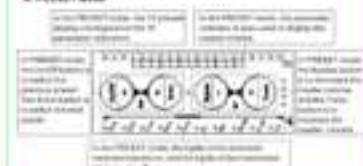


- GAIN 1/2/3 daily live voice back to charging receiver.
- The local microphone live output to the remote phone.
- GTR Headphone output port.
- 3.5mm auxiliary input.

VI. PRESET and EDIT mode

■ IRB has ten operating modes, EDIT is the user's editing mode, and PRESET is the preset mode. Modes, 1 press the PRESET button to switch. Press the On/Off and Store buttons/touches at the same time to switch between EDIT and PRESET mode.

VII. PRESET Mode



■ IRB defaults to the PRESET mode when it is initially turned on. You can switch and choose preset by short pressing the On/Off (previous) and Store (next) mode.

■ In PRESET mode, short pressing the Bypass- button to decrease the master volume, short pressing the Tuner+ button to increase the master volume.

■ In the PRESET mode, the parameter indicator is used as a reminder to show the preset position and output volume.

■ In the effect module chain of the preset, the indicators of the modules that are not in the preset, and the indicators of the effect modules that have been activated are off.

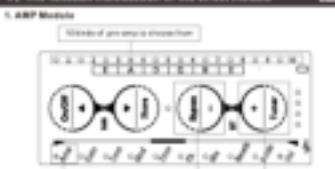
■ IRB effect preset 10 commonly used factory preset for users. The picture below shows the parameter table of all presets.

Presets	1	2	3	4	5	6	7	8	9	10	11	12
Clean	1	2	3	4	5	6	7	8	9	10	11	12
Guitar	1	2	3	4	5	6	7	8	9	10	11	12
Drum	1	2	3	4	5	6	7	8	9	10	11	12
Bass	1	2	3	4	5	6	7	8	9	10	11	12
Reverb	1	2	3	4	5	6	7	8	9	10	11	12
Tuner	1	2	3	4	5	6	7	8	9	10	11	12
Chorus	1	2	3	4	5	6	7	8	9	10	11	12
Phaser	1	2	3	4	5	6	7	8	9	10	11	12
Delay	1	2	3	4	5	6	7	8	9	10	11	12
Reverb	1	2	3	4	5	6	7	8	9	10	11	12
Chorus	1	2	3	4	5	6	7	8	9	10	11	12
Phaser	1	2	3	4	5	6	7	8	9	10	11	12
Delay	1	2	3	4	5	6	7	8	9	10	11	12
Reverb	1	2	3	4	5	6	7	8	9	10	11	12
Chorus	1	2	3	4	5	6	7	8	9	10	11	12
Phaser	1	2	3	4	5	6	7	8	9	10	11	12
Delay	1	2	3	4	5	6	7	8	9	10	11	12

- IRB Mode (press short press like combination button On/Off and Store to switch from PRESET mode to EDIT mode after booting).
- In EDIT mode, short pressing the On/Off button to scroll up for selecting the function module, short pressing the Store button to scroll down for selecting the function module, when the effect module is selected, the indicator light is on, and the indicator light is off.
- When entering the EDIT mode initially, the system defaults to the AMP module, and you can choose the 10 amp in the AMP module up/down through the Bypass/Tuner+ buttons.

VIII. The function introduction of the effect module

1. AMP Module



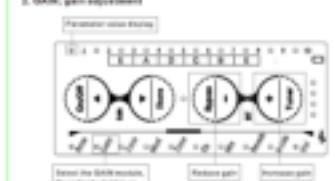
- Bypass and Tuner buttons play different roles in different modules. For example, they play the role of volume boosting in the Amp or IR CAB module, and in the tuner module, they play the role of effect parameter adjustment in the REVERB or DELAY module. The user can edit the parameters in EDIT mode and save them to PRESET mode.
- In the EDIT mode, the user can store the edited preset to the corresponding position in the PRESET mode by long pressing the Store button. The storage position cannot be moved. For example, if you select the third preset in the PRESET mode and then press the On/Off and Store combination button to enter the EDIT mode, then the edited preset can only be stored in this case in the position of the third preset.

■ IRB has ten operating modes, EDIT is the user's editing mode, and PRESET is the preset mode. Modes, 1 press the PRESET button to switch. Press the On/Off and Store buttons/touches at the same time to switch between EDIT and PRESET mode.

■ Details of AMP module, please refer to the list below for specific data;

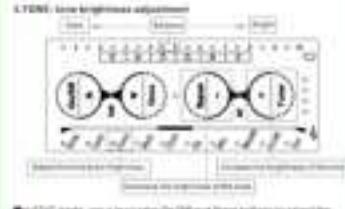
No.	Name	Description
1	Left Bypass	Open
2	Left Clean	Clean
3	Left Distortion	Distortion
4	Two Boxes Clean	Clean
5	Two Boxes Distortion	Distortion
6	May Hippie	Hippie
7	10 Cabinet	Distortion
8	10 Cabinet 2	Distortion
9	10 Cabinet 3	Distortion
10	10 Cabinet 4	Distortion

2. GAIN: gain adjustment



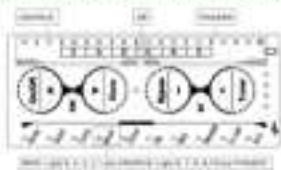
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■ In the EDIT mode, you can select the EDIT module through the EDIT and parameter keys, and EDIT is active. Any parameters will light up. You can use the Bypass- and Tuner buttons to determine which one of the modules will adjust the current parameter (parameter indicator 1 (parameter indicator 10) is present).



■ In EDIT mode, you can select the LTONE module by pressing the EDIT and EDIT module. When LTONE is selected, the indicator will light up. You can use the Bypass- and Tuner+ buttons to increase or decrease the brightness and adjustment range of the tone. Parameter indicator 1 (parameter indicator 10) is present.

4. M202 Module: constant low-brightness effects (03020107744000)



■ In the EDIT mode, you can select the M202 by pressing the EDIT and EDIT module. The EDIT module is active. Any parameter indicator 1 (parameter indicator 4) is present. To active the M202 module, turn the EDIT module indicator 4 until it lights up. You can use the Bypass- and Tuner+ buttons to determine which one of the modules will adjust the parameter (parameter indicator 10) is present).

■ When the M202 module is selected, you can use the Bypass- button to turn on the M202 module, and the light will light up, indicating that the M202 module effects are currently activated. Constantly turn the Bypass- button to deactivate the effect. Corresponding to the range of the parameter indicator 10, the range of the M202 effect is from 0.1 to 1.0. (parameter indicator 10 is present).

■ When the M202 module is selected, you can active the PHASESHIFTER effect by pressing the Tuner+ button. When the M202 module is turned on, press the Tuner+ button, and the light 4 will light up, indicating that the PHASESHIFTER effect is currently active. PHASESHIFTER effect goes approximately corresponding to a range from 0-shimpmagie between 0.1-0.9999, 1, 2, 3, 5, 10, 10000 values, and light 10 and MAX value.

■ In EDIT mode, the M202 module is selected by pressing the EDIT and EDIT module. The EDIT module is active. Any parameter indicator 1 (parameter indicator 4) is present. Turn the EDIT module indicator 4 until it lights up. You can use the Bypass- and Tuner+ buttons to determine which one of the modules will adjust the parameter (parameter indicator 10) is present).

■ When the M202 module is selected, you can use the Bypass- button to turn on the M202 module, and the light will light up, indicating that the M202 module effects are currently activated. Constantly turn the Bypass- button to deactivate the effect. Corresponding to the range of the parameter indicator 10, the range of the M202 effect is from 0.1 to 1.0. (parameter indicator 10 is present).

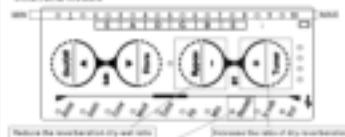
■ When the M202 module is selected, you can active the PHASESHIFTER effect by pressing the Tuner+ button. When the M202 module is turned on, press the Tuner+ button, and the light 4 will light up, indicating that the PHASESHIFTER effect is currently active. PHASESHIFTER effect goes approximately corresponding to a range from 0-shimpmagie between 0.1-0.9999, 1, 2, 3, 5, 10, 10000 values, and light 10 and MAX value.

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■ How to adjust the tone of the DELAY. When the DELAY module is turned on, you can use the On/Off and Store buttons to select Tone+, and then the Time indicator will light up, and you can increase or decrease it through the Bypass- and Tuner+ buttons. DELAY small speed feedback time, adjustable range parameter indicator 1 from 1 (parameter indicator 10) (maximum).

5. REVERB module



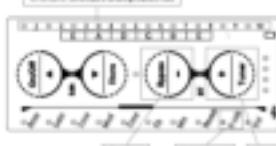
■ In the EDIT mode, you can select the REVERB module by pressing the On/Off and Store buttons. When the REVERB module is selected, the indicator will light up.

■ Constantly press the Bypass- button until the parameter indicators are all off. This operation is to turn off the REVERB module. When the REVERB module is off, press the Bypass- button to turn on the REVERB module again, and the parameter indicators light up.

■ You can reduce or increase the effect of REVERB by pressing the Bypass- and Tuner+ buttons.

TIR CAB Module

Function of switchable mixing volume



■ IR is set with 10 classic cabinet simulations. In the EDIT mode, you can select the IR CAB module by pressing the On/Off and Store buttons. When the IR CAB module is selected, press the Bypass- button continuously until all the parameter indicators are all off. This operation is to close the IR CAB module.

■ When the IR CAB module is closed, press the Tuner+ button to turn on the IR CAB module. At this time, the parameter indicator 1 lights up, indicating that the first IR cabinet built into the IR effect is currently active.

■ You can choose 10 different IR CABs through the Bypass- and Tuner+ buttons.

■ You can use the Cubetablate software provided by our company to load third-party IR files.

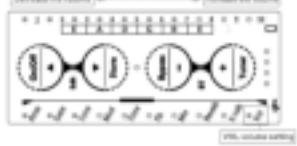
■ IR factory IR settings list

Decrease the volume / Increase the volume

Number Name DIN specifications

Number	Name	DIN specifications
1	Line 1 Volume	4.672
2	Line 2 Volume	4.673
3	Line 3 Volume	4.674
4	Line 4 Volume	4.675
5	Volume 1x1	4.676
6	Panning 1.0-1.0000	4.677
7	plus 10% Max Volume	4.678
8	Guitar V30 3000	4.679
9	Guitarback Head Trial	4.680
10	Standard 3000 312000 320000	4.681

8. VUOL volume setting

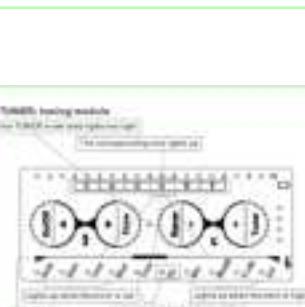


■ In EDIT mode, you can select the VUOL module by pressing the On/Off and Store buttons.

■ You can use the Bypass- and Tuner+ buttons to decrease or increase the volume of the tone currently being edited. The adjustable range is from parameter indicator 1 to parameter indicator 10.

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■ 6. TURBOII Mixing module



■ TURBOII contains a high-gain mixing function. The function of use is as follows: in the PHASESHIFTER mode, keep press the Tuner+ button to enter the TURBOII mixing mode. All this time the function indicator 4 will light up, indicating that the mixing function is present.

■ In the TURBOII mode, the two tone levels can range from off to right correspondingly. In the TURBOII setting of the two parts. When the strings are present, the main and secondary tone indicators will light up, and the secondary tone indicator will also have a light with light up, indicating that the two parts are in the TURBOII mode.

■ If you take the TURBOII setting at the position of one or more tone mixing, when the tone setting is mixed, the indicator light about the tone source of the corresponding tone will be mixed (1 full tone), and then adjust against the tone source because, when the left light of the two tone light up, indicating that the current position is one. When the right light is light up, it indicates that the current position is two. When the module has right one on, it means that the current tone is one. When the right 0 setting is

■ It's easier to avoid unnecessary noise during mixing. The PH module needs to be inserted into the TURBOII module, and the module itself will be inserted into the TURBOII module.

■ After turning on the TURBOII mode, the Bypass indicator light will be off, and the tone source and tone indicator are off. In Bypass mode, the output of the tone source is a single signal.

■ First press the On/Off and STORE button to enter the TURBOII mode.

11. Bypass+ function - direct dry signal

■ Set the Bypass function for the 1st effect(s). Using only the Bypass button to enter the Bypass mode, the Bypass indicator light will be off, and the tone source and tone indicator are off. In Bypass mode, the output of the tone source is a single signal.

■ First press the On/Off and STORE button to enter the Bypass mode.

12. External recording function: connect to Analog device



■ A 3.5mm is high-quality external recording function, plug-in the USB port of the device through a dedicated cable cable to realize recording, and then connect to your device, please remember, this your module internal recording, recording software or software will high-quality audio recording function.

13. IR CAB recording function

■ IR CAB sounds like high-quality IR CAB sound, and even has a wide range of effects, the CabSim software provided by the manufacturer for free. You only need to convert the IR CAB in USB 2.0 cable to your computer to use it in the CabSim software. The CabSim software is very simple and easy to use.

■ Please click on the component, get the following item, module mode (option 0)



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■Software interface is divided into seven parts

- ① IR file search: through this search to find your preparation on your computer IR file.
- ② IR file name display window: this window displays the selected IR file, which is convenient for us to click and listen.
- ③ Pick-up microphone distance simulator: through this knob you can adjust the distance of the microphone to the speaker, the closer the distance, the greater the sound, the further the distance, the weaker the sound.
- ④ Storage location: this drop-down menu number is the IR internal IR storage location, you can choose 1-10 locations to store third-party IR.
- ⑤ Save button: When the third-party IR is selected, the microphone pickup distance is adjusted, and the storage number position is selected, we can click this button to save.
- ⑥ Click this button to restore the factory IR.
- ⑦ Click this button to restore the factory presets.



14. Technical parameters

Input	Standard 1/4" interface male/female
Output	Standard 1/8" interface male/female
Sampling rate	48K/24bit
Power supply	DC 5V=300mA power adapter
Size	85x20x81(W)X25(H)mm
Weight	121g
Accessories	Packing box, manual, charging cable, internal recording cable

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FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.