

BSK-80 ACOUSTIC GUITAR A M P L I F I E R | User Manual



JOYO

Thank you for purchasing this product!

Product introduction:

Thanks for purchasing JOYO BSK-80 acoustic guitar amplifier. BSK-80 amp is specially designed for acoustic guitar, its EQ curve is tailor-made for acoustic guitar, offering a nice and bright treble with rich mid-low frequencies; its 80W(RMS) power can meet your needs for small live show or home practice. Compared with rivals' similar products, its tone is stunning, with a built-in high-performance DSP chip, featuring several DSP digital effects(CHORUS, DELAY, REVERB, ANTI-FEEDBACK). Those DSP digital effects can be used simultaneously, which is rare from rivals' similar products. Moreover, BSK-80 has a mic input channel, we've optimized mic amplification circuit, say, the special frequency response for vocal, so the human voice signal becomes much clearer and stronger. Besides, the mic channel features an independent reverb effect, beautifying your singing. Like most guitar amps, BSK-80 has AUX IN jack, connecting CD player, MP3 to jam along or practice. Plus, it has LOOPER recording and playback functions, Bluetooth accompaniment function, LINK function, host function, LINE IN function, LINE OUT function, BALANCED OUT function, DC OUT function(supplies power to pedals) (DC 9V/ 500mA). Besides, a footswitch pedal in synch with the main unit is attached in the packing list.

SPECIAL NOTE: Should your BSK-80 Acoustic Guitar Amplifier ever require servicing, a Return Authorization (RA) number is necessary. Without this number, the unit will not be accepted. Please retain the original packing materials and call JOYO 0755-29765393 before you sending out, return the unit in its original carton and packing materials.

Features:

- RMS: 80W
- With built-in lithium battery, it can be charged, facilitating outdoor use
- With DC 9V OUTPUT(500mA MAX), powering low power consumption pedals(current consumption<300mA)
- Dual Channel for Guitar and Mic
- Independent Mic Reverb and Guitar Reverb Effects
- 3 Guitar Effects can be used simultaneously(CHORUS, DELAY with TAP TEMPO, REVERB)
- Built-in Guitar Anti-feedback function
- Built-in Guitar Signal Phase Inverter Function
- Quick-mute function
- Built-in LOOPER has 30 seconds' recording time, with unlimited overdubbing
- Bluetooth 4.0 for music playing
- Built-in audio interface can connect to smart phone, and beautify guitar tone via smart phone's(iOS or some Android devices)guitar tone apps
- Recording Out for live streaming
- LINE IN and LINE OUT for connecting to other amps
- XLR Jack for connecting to the mixer
- A unique JOYO Footswitch pedal is included, it can sync the main unit's status

Detailed safety instructions:

- Use the attached power adapter only. It has passed strict tests and has safety certificates. If use other power adapters, it will increase noise, damage the internal circuits or the built-in battery.
- Do not expose it to any damp areas such as bathtub, toilet, washing-tub, sink, swimming pool. Avoid spill liquid substance into the product, otherwise it will lead to malfunction or electric shock.
- Don't use this product in places where is full of flammable and explosive gas, such as gas station or dusty areas.
- Use BSK-80's attached AC power adapter only! If you choose other adapters, they might not compatible for BSK-80's input voltage damage the unit or worse.
- BSK-80's attached adapter has passed the related electromagnetic compatibility tests and has safety certificates. If you use other power adapters, we're not sure whether they meet your country or region's compulsory safety certification standards.
- If the attached power adapter is broken, and you need to buy a new one, please make sure its polarity of power source and maximum power are the same as the attached power adapter.
- In order to save energy, please unplug the power switch after use.
- Do not use alcohol or other cleaning fluids to clean this product, otherwise it will damage the surface, use a clean dry cloth when necessary.
- Do not open the case for any reason, please contact professional maintenance men if it malfunctions, or contact your local retailer for maintenance.
- Do not pull the power cord or other parts of this product, so as not to damage the power cord and plugs.
- Please turn off this product and unplug it during a thunderstorm, lightning or not in use for a long time.
- Do not collide, throw or vibrate this equipment.
- To protect the built-in battery, please have a full charge if it is not in use for a long time and ensure charge it for every 2 months.
- If it indicates low battery, please charge it in time, as over discharge and low battery will cause irreversible loss to the battery capacity, and damage the battery.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



Panel

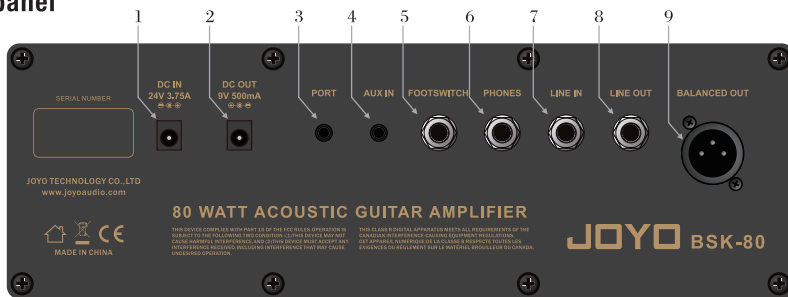
Front panel/Footswitch pedal panel



1. **Guitar Input Jack:** 6.35mm
2. **PHASE button:** turn on or turn off phase-inverter function. If use external footswitch pedal, this function can be operated from the pedal only, for details, please refer to the operation section of footswitch pedal.
3. **VOLUME:** control(VOLUME) for guitar channel.
4. **BASS:** turn it counter-clockwise, the BASS will be turned down, turn it clockwise, the BASS will be turned up.
5. **MIDDLE:** turn it counter-clockwise, the MIDDLE will be turned down, turn it clockwise, the MIDDLE will be turned up.
6. **TREBLE:** turn it counter-clockwise, the TREBLE will be turned down, turn it clockwise, the TREBLE will be turned up.
7. **CHORUS:** adjust the depth of CHORUS. If connects to external footswitch pedal, this knob fails temporarily, you can only adjust CHORUS effect parameter through the footswitch pedal.
8. **REVERB:** adjust the ratio of dry and wet signal. If connects to external footswitch pedal, this knob fails temporarily, you can only adjust REVERB effect parameter through the footswitch pedal.
9. **Delay time control:** If connects to external footswitch pedal, this knob fails temporarily, you can only adjust delay parameter through the footswitch pedal, you can also set delay time through the TAP TEMP button.
10. **TAP TEMPO button:** you can set delay time by double clicking this button twice in a row.
11. **SCAN button:** auto feedback frequency searching button. For details, please refer to the operation section of feedback suppressor.
12. **ANTI-FEEDBACK knob:** ANTI-FEEDBACK CONTROL knob.
For details, please refer to the feedback suppressor operation section.
13. **Mic Input Jack(INPUT):** It's a balanced signal input jack(XLR) for mic input
14. **Mic's volume control(MIC/VOLUME):** adjust mic channel's volume.
15. **Mic's BASS:** turn it counter-clockwise, the BASS will be suppressed, turn it clockwise, the BASS will be boosted.

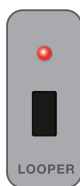
16. **Mic's TREBLE:** turn it counter-clockwise, the TREBLE will be suppressed, turn it clockwise, the TREBLE will be boosted.
17. **REVERB:** adjust mic's reverb effect.
18. **LOOPER Button:** for record and playback. **For details, please refer to the operation section of built-in LOOPER.**
19. **Turn on and turn off Bluetooth function:** long press the Bluetooth switch and turn on Bluetooth, then the Bluetooth indicator is on and flickering, you can connect to Bluetooth, the indicator is on and can play music after the Bluetooth connection. Tap and hold the Bluetooth switch to turn off Bluetooth connection, the Bluetooth indicator flickers, you can connect to Bluetooth. You can turn off the Bluetooth connection by long press the Bluetooth switch again.
20. **LINK button and Jack(3.5mm TRRS):** it can be used as portable devices' audio jack, please connect the attached audio connecting cable to cell phone, and make sure your cell phone has already downloaded audio processing app such as JamUp, AmpliTube and more. **Please note that the internal signal is transmitted to cell phone after this switch is turned on, BSK-80 has no sound or noise if you press this switch when it doesn't connect to external devices.**
21. **MASTER Volume Control:** adjusting the unit's volume.
22. **MUTE button:** turn on or turn off MUTE mode, this button fails temporarily if external footswitch pedal is used, you can only control the MUTE button from the footswitch pedal.
23. **Charging indicator, please refer to battery maintenance section for details.**
24. **Power:** connects to AC100-240V adapter
25. **Power switch(POWER) :** turn on or turn off the unit.
26. **TO AMP Jack:** connects to amp's FOOTSWITCH jack.
27. **PHASE INV/A.F. BACK SCAN switch:** for details, please refer to connecting BSK-80 to external footswitch pedal section.

Rear panel



1. **DC IN Mains Input:** connects to DC 24V/3.75A adapter(center positive).
2. **DC OUT Mains Output:** DC9V/500mA mains output, supply power to pedal.
3. **PORT:** tape recording signal output jack specially designed for cell phone live stream users, connects to cell phone, supplying BSK-80's internal audio signal to cell phone.
4. **Connects to accompaniment input jack(AUX/INPUT):** stereo headphone input jack(3.5mm), for connecting to external sound source, such as CD, MP3.
5. **FOOTSWITCH Jack:** connects to 6.35mm stereo jack footswitch.
6. **PHONES Jack:** for connecting Headphones with 6.35mm Jack. (supports headphones impedance above 32 Ω)
7. **LINE IN(6.35mm Jack):** Line input jack, used for connecting to other device's LINE OUT, or connecting to another BSK-80's LINE OUT jack for expanding cascade.
8. **LINE OUT(6.35mm Jack):** Line output jack, used for connecting to other device's LINE IN, or connecting to another BSK-80's LINE IN jack for expanding cascade.
9. **BALANCED OUT standard balanced output jack:** supports balanced signal output, ensuring longer transmission distance and stronger anti-interference ability.

Built-in LOOPER's instructions



1.Record

Press LOOPER button when there is no recording data, LOOPER indicator becomes red and starts to record, press this button again if you want to stop recording, the built-in LOOPER stops recording and switch to play status and the indicator becomes blue.

2.Play

You can press LOOPER button while playing or dubbing, now the built-in LOOPER switches to play status, and the indicator becomes blue.

3.Dub

You can press LOOPER button while playing, the built-in LOOPER switches to dub status, and now the indicator becomes red, you can press this button again when you finish dubbing, exit from dubbing and back to play mode.

4.Stop

You can tap the LOOPER button twice in a row while recording or dubbing, the built-in LOOPER switches to stop mode and now the LOOPER goes out. Tap the LOOPER button again when it stops and back to play mode.

5.Revoke dubbing/Recover the dubbing

If you're not content with the quality of the parts just dubbed, you can press LOOPER button for over 1 second while playing until LOOPER indicator starts to flicker, the parts dubbed just now will be revoked, the recording will be back to the last status, and back to play mode. If you want to cancel this revoke, press LOOPER and keep until the indicator flickers, then the recording been revoked will be recovered. Please note that only the most recent recording can be revoked or recovered.

6.Delete recording completely

Double click LOOPER button and keep until the red indicator begins to flicker quickly, then release the button, you can delete all the recording completely.

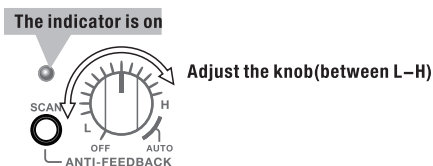
7.Use external footswitch pedal to control LOOPER function

Please refer to the instructions for connecting BSK-80 to external footswitch pedal section.

Instructions for feedback suppressor

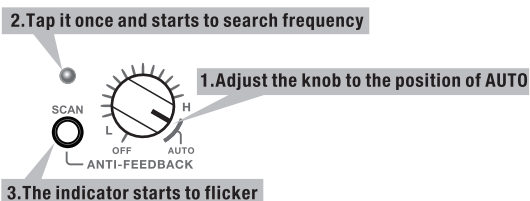
BSK-80 features anti-feedback function, it reduces feedback to the maximum when guitar produces feedback. You can turn on or adjust feedback suppressor by the following methods:

1. Search for feedback frequency manually



You can rotate ANTI-FEEDBACK knob to turn on and search for suitable feedback frequency point manually, the feedback diminishes or disappears immediately once it reaches to the suitable frequency point.

2. Auto-search feedback frequency



You can activate BSK-80's auto-search feedback frequency function by rotating ANTI-FEEDBACK knob to the position of AUTO. Then ANTI-FEEDBACK indicator starts to flicker and enter to preparation status, you can tap SCAN switch gently once and begin to search for frequency if there is feedback, ANTI-FEEDBACK indicator flickers at high speed, the indicator backs to flickering status if frequency was successfully searched, the indicator flickers every second in low speed if it fails to search, now you can press SCAN button again and search for feedback frequency all over again, you can switch to manual mode to search for feedback frequency manually if it fails to search several times in a row.

Note: BSK-80's auto-searching speed for frequency is quite high, you might notice the indicator flashing quickly during search, don't worry, it's normal.

3. Use external footswitch pedal to operate the feedback suppressor

You can use external footswitch pedal to activate BSK-80's feedback suppressor, please refer to BSK-80's connection to external footswitch pedal instruction section if activates through external footswitch pedal anti-feedback function.

Note: BSK-80's anti-feedback automatically works to a certain degree, if you notice it doesn't work whether you try to suppress the feedback manually or automatically, you can try the following methods to enhance the success ratio of anti-feedback:

1) Check up your channel's gain or guitar output signal, make sure gain or volume are at a reasonable range.

2) With guitar's built-in PHASE INVERTER (in case your guitar has such function) or BSK-80's PHASE INVERTER function, you can switch signal's phase so as to break oscillating loop.

3) Adjust the distance or direction of your guitar and amp.

The instructions for connecting BSK-80 to external footswitch pedal

Note: when connects BSK-80 to external footswitch pedal, it doesn't support hot plug and play, if you need to use external footswitch pedal, please use the attached connecting cable to connect the main unit and footswitch pedal when BSK-80 is turned off.

Turn off the main unit first, then connects the footswitch pedal to the main unit



Turn on the main unit first, then connects the footswitch pedal to the main unit



Note: The related panel knobs or switches fail temporarily when external footswitch pedal is connected, you can adjust some of BSK-80's parameters through the footswitch pedal only.

1.Check up the connection of footswitch pedal and main unit

Firstly you've got to turn off the main unit, and then use the attached connecting cable to connect the main unit and footswitch pedal, turn on the main unit. Once the power is on, there is a brief communication between the main unit and the footswitch pedal, to confirm each other has been connected, if successfully connected, all the indicators will flicker quickly 3 times, indicating the communication is established, now you can operate BSK-80 through footswitch pedal's knobs and footswitch. If footswitch pedal fails to connect to the main unit, all the indicators on the footswitch pedal flicker every second, indicating the communication fails to establish. Please check up whether the cable is broken or the plug has been plug into the socket completely or not.

2.The attached connecting cable for the footswitch pedal

2 meters connecting cable is attached in the packing list for BSK-80 , suitable for most venues. If the cable is not long enough, you can use the standard stereo audio cable of the same standard to replace the original one. Please note that the length for the cable shall not exceed 5 meters, and make sure it is of high quality and communication signals transfer smoothly. If the footswitch pedal cannot recognize the signal, you'd better shorten cable's length or replace a high quality cable.

3.Instructions

LOOPER switch:

Tap the LOOPER footswitch to control the built-in LOOPER function, the operation is the same as the main unit panel's operation, footswitch pedal's indicator flickers according to the main unit(due to communication delay, it takes a little bit longer when you turn on the footswitch pedal's indicator compared with that of main unit's indicator).

MUTE switch:

The indicators on the panel and footswitch illumine or go out simultaneously when you tap it to turn on or turn off mute function.

PHASE INV / A.F.BACK SCAN switch:

PHASE INV / A.F.BACK SCAN switch is a multifunction control switch, for controlling the SIGNAL PHASE INVERTER and FEEDBACK suppressor, you can turn on the SIGNAL PHASE INVERTER by tapping this switch twice when the FEEDBACK suppressor is not turned on, PHASE INV indicator and main unit's PHASE indicator will be on, indicating the signal has been inverted.

Note: if the footswitch pedal's FEEDBACK suppressor is turned on, PHASE INVERTER cannot be used temporarily, you can turn off and exit from FEEDBACK suppressor first, and then operate it.