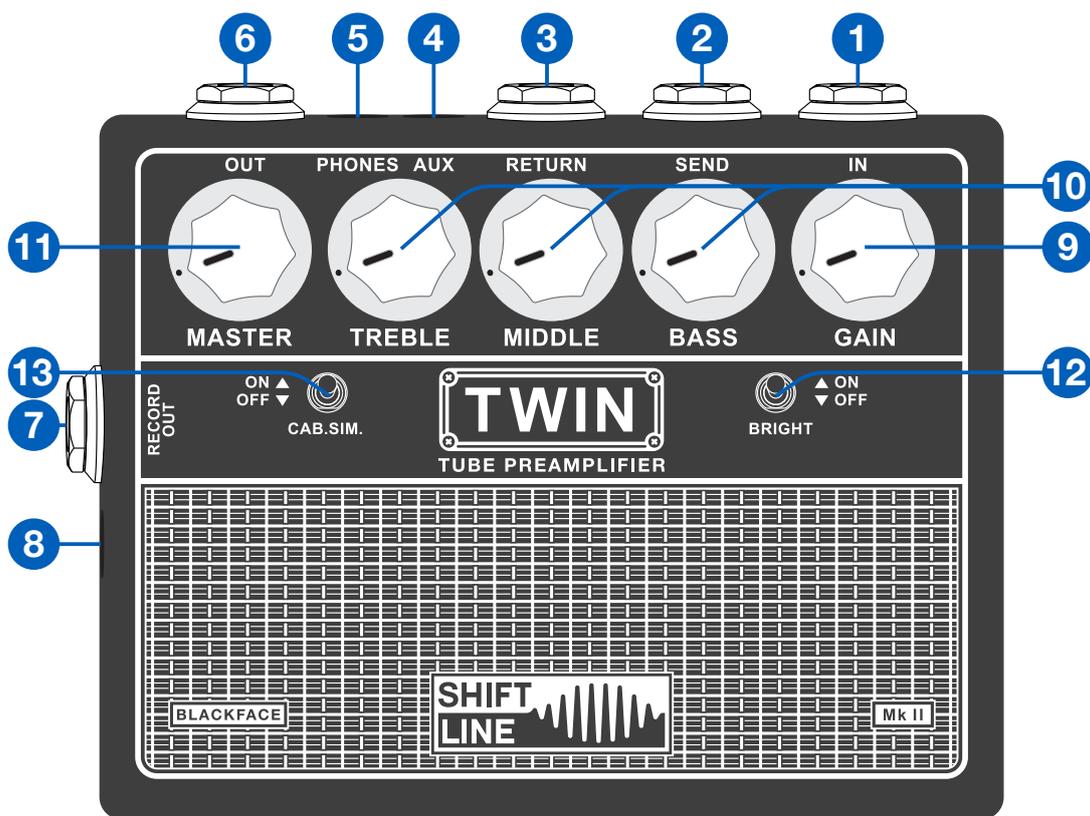




# Shift Line TWIN mkII

Tube Guitar Preampifier

## USER GUIDE



Shift Line **TWIN mkII** is a fully-fledged studio-quality guitar preampifier that combines excellent tone with wide commutation possibilities. Twin mkII is based on the '65 Fender Twin combo amp's normal channel; it recreates the authentic sound of the 30kg (64lbs) 2\*12 combo in a 600g (1,3lbs) standard pedal size box, while adding some useful features. This preampifier is a great unit both for live playing and for home/studio use.

### Features:

- Classic high voltage tube circuit using Tung-Sol 12AX7;
- No bypass: Twin mkII is a true preampifier;
- High level main output designed to be connected directly to power amp;
- Wide range gain control gives you the possibility to reach all sorts of sounds, from clean to naturally compressed or even a bit overdriven signal;
- Booster and drive friendly;
- Series effects loop optimized for using with pedals;
- Switchable speaker simulator on recording output;
- Phones output and aux input for home practice.

### Controls:

**1. IN** is a 1/4" mono jack input for the signal source (the preampifier is designed for passive and active electric guitars, as well as for acoustic-electric guitars with piezo and magnetic pickups). Input sensitivity is -20dBu.

**2. SEND** is a 1/4" mono jack send to external effects (compressor/limiter, gate, reverb, delay, modulation, etc.). SEND can also be used as an additional -20dBu output.

**3. RETURN** is a 1/4" mono jack input used to connect external effects back to the preampifier. Using both SEND and RETURN creates a series effects loop.

**4. AUX** is a 1/8" stereo jack input for an external sound source (drum machine, backing tracks from any line-level sound source, metronome, iPod, etc.)

**5. PHONES** is a 1/8" stereo headphones jack. It can be used as an additional output for any signal receiver besides headphones. The signal volume is controlled with the MASTER knob. Cabinet simulation is always on for this output.

**6. OUT** is the device's main output. It is a 1/4" mono jack with a +20dBu signal level used to connect the preampifier to a power amplifier (RETURN on guitar combos/amplifiers, POWER AMP IN on guitar amplifiers, INPUT on power amplifiers without a preampifier).

**Attention: Please do not connect the main output to devices that are not designed for a high signal level (+20dBu). If you still wish to do it, use the Twin's MASTER knob with extreme caution, preferably at values below 50%. We do not accept responsibility for possible damage your gear might sustain in the process.**

**7. RECORD OUT** is a 1/4" mono jack additional output used to send the signal to a sound-recording device or to any other signal receiver. It can be used as a parallel signal output with or without speaker simulation. The signal volume is controlled with the MASTER knob.

**8. POWER IN** is the device's power supply input. **TWIN requires a 12V AC 750mA power supply adapter.** Please use either the adapter supplied with the device or one recommended by Shift Line.

**9. GAIN** controls the input signal amplification. It can let you get both a crystal-clear sound and old-school California-style overdrive (in the whole frequency range, without any frequency limitations for the overdrive).



**10. BASS, MIDDLE, TREBLE** are the control knobs for a classic passive Fender-style EQ. Start searching for your tone with all controls at maximum and cut unnecessary frequencies.

**11.** The **MASTER** knob controls the signal volume of the device's outputs (OUT, RECORD OUT and PHONES). This knob controls the preamplifier's master volume.

**12. BRIGHT** is a switch that controls the "treble bleed" of the GAIN knob. When this switch is ON, you can get a rather bright sound even from a dark/mellow-sounding instrument. If the GAIN knob is turned fully clockwise, the BRIGHT switch does not affect the sound.

**13. CAB. SIM.** is a switch that turns speaker simulation on/off for RECORD OUT. If you wish to use the device's speaker simulation, turn this switch ON. If you use external speaker simulation or intend to re-amp the recording, turn this switch OFF.

## Technical Specifications:

- IN nominal input level: -20 dBu
- IN impedance: 1 MOhm
- RETURN nominal input level: -20 dBu
- RETURN impedance: 1MOhm
- SEND output level: -20 dBu
- SEND impedance: 10 KOhm
- OUT output level: +20 dBu
- OUT impedance: 10 KOhm
- RECORD OUT output level: +10 dBu
- RECORD OUT impedancel: 10 KOhm
- Size (L x W x H): 120 x 95 x 50mm (4.7 x 3.7 x 2")
- Weight: 600g (1.3lbs)
- Power: 12V AC 750mA, 2,5\5,5mm barrel.

**ATTENTION:** Use either the adapter supplied with the device or one recommended by Shift Line.

## Delivery Set:

1. TWIN preamplifier;
2. 12V AC 1000mA power supply adapter;
3. User guide.



## IMPORTANT SAFETY INSTRUCTIONS

If you do not follow the instructions below, you may damage the unit. **SHIFT LINE** does not accept responsibility for any damage caused by not following the instructions below.



When transporting or storing the unit at temperatures below 0°C, it is necessary to keep the unit at room temperature for at least 1 hour before switching it on. When connecting the unit to other equipment, use cables specifically designed for this type of connection. Do not use faulty or damaged cables.

## DANGER! HIGH VOLTAGE!

**DO NOT OPEN UP THE UNIT ON YOUR OWN! DO NOT SWITCH ON AN OPENED-UP UNIT!**  
Do not switch on the unit if the 12ax7 tube is not installed.

### Connecting an external power supply adapter:

Plug in the external power supply adapter only after assembling the whole signal chain! Before using the adapter, make sure that its body, connecting cable and plug function properly and are not damaged. First, connect the adapter's low-voltage jack to the power supply input on the unit's upper panel, then plug the adapter in the electric mains socket.

**ATTENTION:** Use either the adapter supplied with the device or one recommended by Shift Line.

### Disconnecting the external power supply adapter:

When finished using the unit, unplug the external power supply adapter from the electric mains socket, then disconnect the adapter's low-voltage jack from the unit's power supply input.

**ATTENTION!** The unit contains no user-serviceable parts. Refer all servicing to qualified service personnel.

**WARNING!** In order to avoid malfunctioning, do not expose the unit to liquid or moisture. Water or other liquids should not get inside the unit. Do not put the unit on top of liquid-filled vessels. Do not use excessive force when operating the unit.

## WARRANTY POLICY:

We have complete confidence in the high quality of our products, so we offer the following warranty periods:

Electronics: 3 years, starting with the date of purchase;

Parts subject to load (potentiometers, buttons, switches, jacks): 1 year, starting with the date of purchase.

Units damaged as a result of abuse, such as (but not limited to): excessive force usage, unauthorized repair attempts, usage of an improper power source, exposure to liquid, improper grounding or overheating, are NOT subject to warranty repair. Warranty and post-warranty repair is conducted only at our service center in Saint Petersburg, Russia. For more information regarding our warranty policy, feel free to contact us:

Phone: 7(812)987-69-75 , 7(812)987-69-74 (Saint Petersburg, Russia)

E-mail: info@shift-line.com

www.shift-line.com

Serial number \_\_\_\_\_

Date of manufacture \_\_\_\_\_