

acoustic

LS6 Loop Switch User Manual

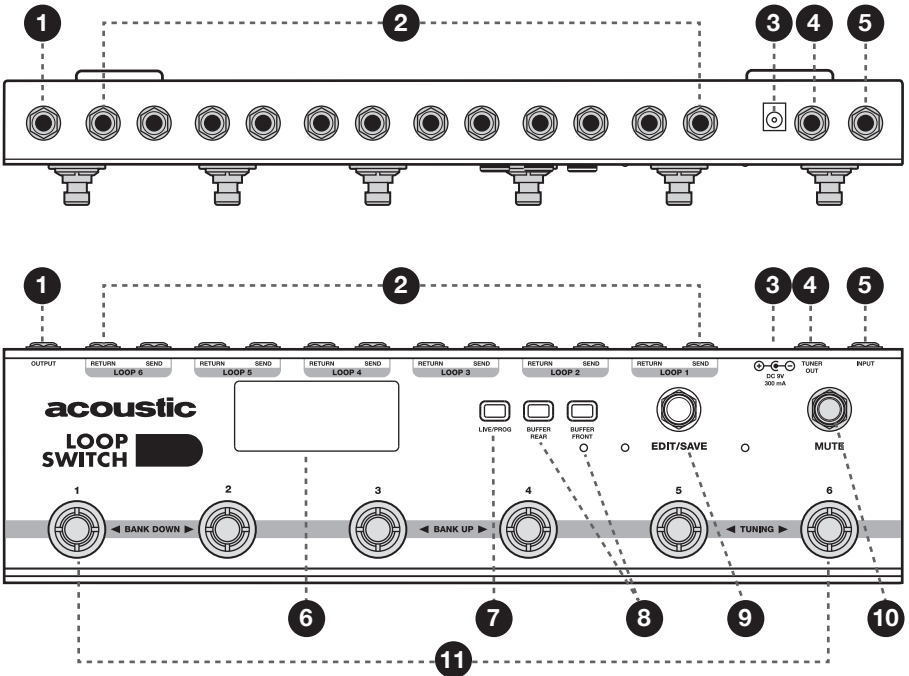


Thank you for purchasing the Acoustic® LS6 Loop Switch.

Your LS6 is a fully programmable true bypass or selectable buffered loop switcher that will allow you to have total control over your pedals and effect routing with uncompromised sonic quality. Its 6 true bypass audio loops and easy programming capabilities with 36 presets arranged in 6 banks eliminate the need to tap dance around your pedal board and let you focus on playing. An easy to see LED bank/patch/tuner display and LED ring indicators offer instant feedback while playing and programming your LS6. Additionally, dual mode operation (Live mode or Program mode) allows for access to either your pre-programmed effect loop combinations (Program mode) or quick access to each of the 6 individual Loops (Live mode). Also, the LS6's selectable front and rear buffers allow you to lower the impedance of the signal going in or out of the unit to help compensate for longer cable runs. When disengaged, the LS6 provides full true-bypass operation. Additional useful features include a dedicated mute switch for completely muting the output during tuning or switching instruments, a built-in tuner and a dedicated tuner output for sending a dry signal directly to a tuner pedal, outside of the signal chain. A dedicated mute footswitch and a choice of built in tuner or external tuner send provide useful solutions for performing or recording.

FEATURES:

- 6 discrete, true-bypass loops with 6 silent footswitches
- 36 programmable loops organized in 6 banks
- Large, easy-to-read LED display for clear visual feedback
- Dual operation modes: switch between Live and Program modes
- Dedicated Mute button allows for silent tuning and changing of instruments
- Convenient Tuner Out for feeding unaffected signal to an external tuner
- LED footswitch rings to indicate on/off status
- Front and/or rear signal chain buffering options for improved signal strength over longer cable runs
- Rugged, all-steel enclosure



1. 1/4" Output sends the signal from the LS6 to a connected amplifier or other device with a 1/4" input connection
2. 6x 1/4" Send and Return effect loops for inserting individual effects or chains of effect units
3. DC In power jack to connect a 9V negative tip power supply that provides at least 300mA of current (9V adapter is not included)
4. 1/4" Tuner Out sends the unaffected signal from the LS6 to an external tuner, outside the signal chain
5. 1/4" instrument Input for connecting your instrument
6. The LED display will show the operating mode of the LS6 (Live or Program) as well as the current bank and preset number. It will also display the on-board tuner function.
7. The Live/Program button allows you to switch between the two operation modes of the LS6
 - In Live mode each footswitch labeled 1-6 will turn on or off the effect loop of the same number. In this mode the LED ring around each footswitch from 1-6 will also light up to indicate that the chosen effect loop is active.
 - In Program mode (the default mode of the LS6) you can save and recall up to 36 loop configurations in 6 banks, allowing you to engage or disengage multiple effect loops of your choice with one press of a footswitch.

8. Buffer Rear and Buffer Front buttons engage a buffer at the input (Buffer Front) or at the output (Buffer Rear) of the LS6 lowering the impedance and optimizing the signal for longer cable runs
9. Edit/Save footswitch allows you to create, edit and save your loop combination programs in the LS6
10. Mute footswitch fully silences the output of the LS6
11. Footswitches numbered 1 through 6 activate/deactivate individual loops (Live mode) or custom combinations of loops (Program mode). Pressing select footswitches at the same time will activate Bank Up, Bank Down and Tuner functions.
 - In Program mode, pressing footswitches 1 + 2 together will navigate down one bank from the current bank, while pressing 2 + 3 together will navigate up one bank.
 - In any mode, pressing footswitches 5 + 6 together will activate the LS6 internal tuner. This will mute the output of the LS6 and bring up a tuner on the LED Display.

Navigating and Programming the LS6

There are two modes for the LS6, Program Mode (default start-up mode of the LS6) and Live Mode, which can be selected from the “Live/Prog” button on the front of the LS6. In this section we will review each mode and its features.

Program Mode:

In Program mode, you can create, save, edit and recall up to 36 custom patches that are arranged into 6 banks. When in Program mode, the LED display will show the letter “P” before the selected bank and patch numbers. For example, if bank 3 patch 5 is selected, the display will read P-3-5.

To create a Patch in Program mode:

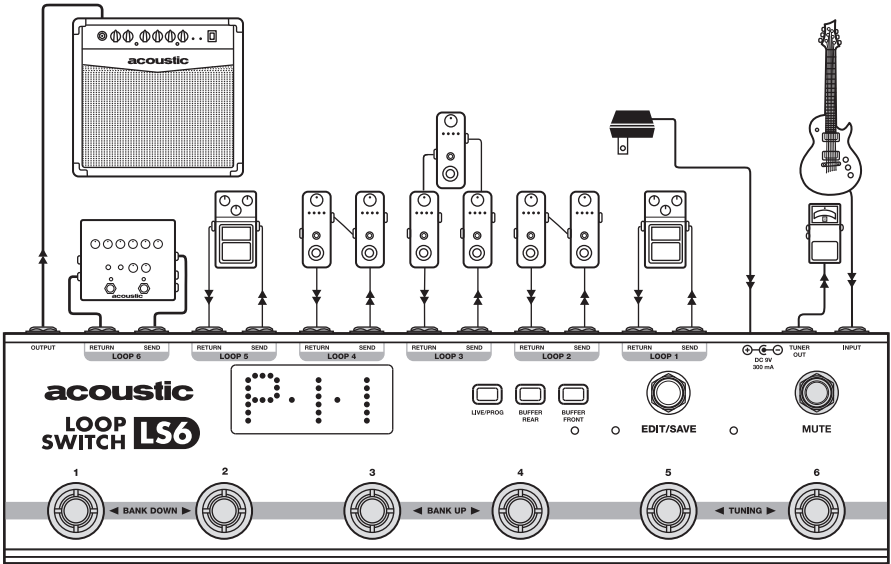
- First, navigate to the bank and patch you would like to edit using the footswitches
 - Simultaneously press footswitches 1 + 2 to navigate down a bank, 3 + 4 to navigate up a bank, then an individual footswitch numbered 1-6 to select the patch within that bank.
 - Once on the chosen patch, hit the Edit/Save footswitch once. This engages edit mode and the LED display will show the letter “E” followed by the selected bank and patch numbers. For example, if bank 1 patch 1 is selected then the display will now read E-1-1.
 - Now use footswitches 1-6 to turn on or off the loops you would like arranged in the selected patch.

- After this you can save the patch by pressing the Edit/Save footswitch once again.
 - The LED display will now show “S” followed by the bank and patch number (ie.: S-1-1).
 - While in save mode you can change the bank and patch using the footswitches once again to navigate to the bank and patch you want to save your program to.
 - Once you have navigated to the desired bank and patch, press the Edit/Save footswitch once more and your patch will be saved in the current location.
 - If you want to cancel save mode, press the Live/Prog button one time to return to edit mode. To exit edit mode, simply press the Live/Prog button again.

Live Mode:

In live mode, there are no patches or banks to engage or navigate to. Live mode simply gives you immediate access to the 6 loops of the LS6. Pressing footswitch #1 will engage Loop #1, pressing footswitch #2 will engage Loop #2 and so on.

Note: You can perform a full factory reset on the LS6, which will erase all user programs and reset the unit to its original default state, by pressing the Edit/Save footswitch and the Live/Prog buttons simultaneously for 5 seconds. As mentioned before, be careful as this will erase all your custom-programmed patches.



SPECIFICATIONS:

Input	1/4" Jack – 2 Mega ohm impedance
Output	1/4" Jack – 100 Mega ohm impedance
Current Draw	9V Negative Tip Polarity, 300mA
Dimensions	14.57"(D) x 3.78"(W) x 2.28"(H)
Weight	2.56 lbs/ 1.16 kg

1 One Year Limited Warranty: Subject to the limitations set forth below, Acoustic hereby represents and warrants that the components of this product shall be free from defects in workmanship and materials, including implied warranties of merchantability or fitness for a particular purpose, subject to normal use and service, for one (1) year to the original owner from the date of purchase.

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FCC Statements

1. Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Note: 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 generate, uses, and can radiate radio frequency energy and , in 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

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