

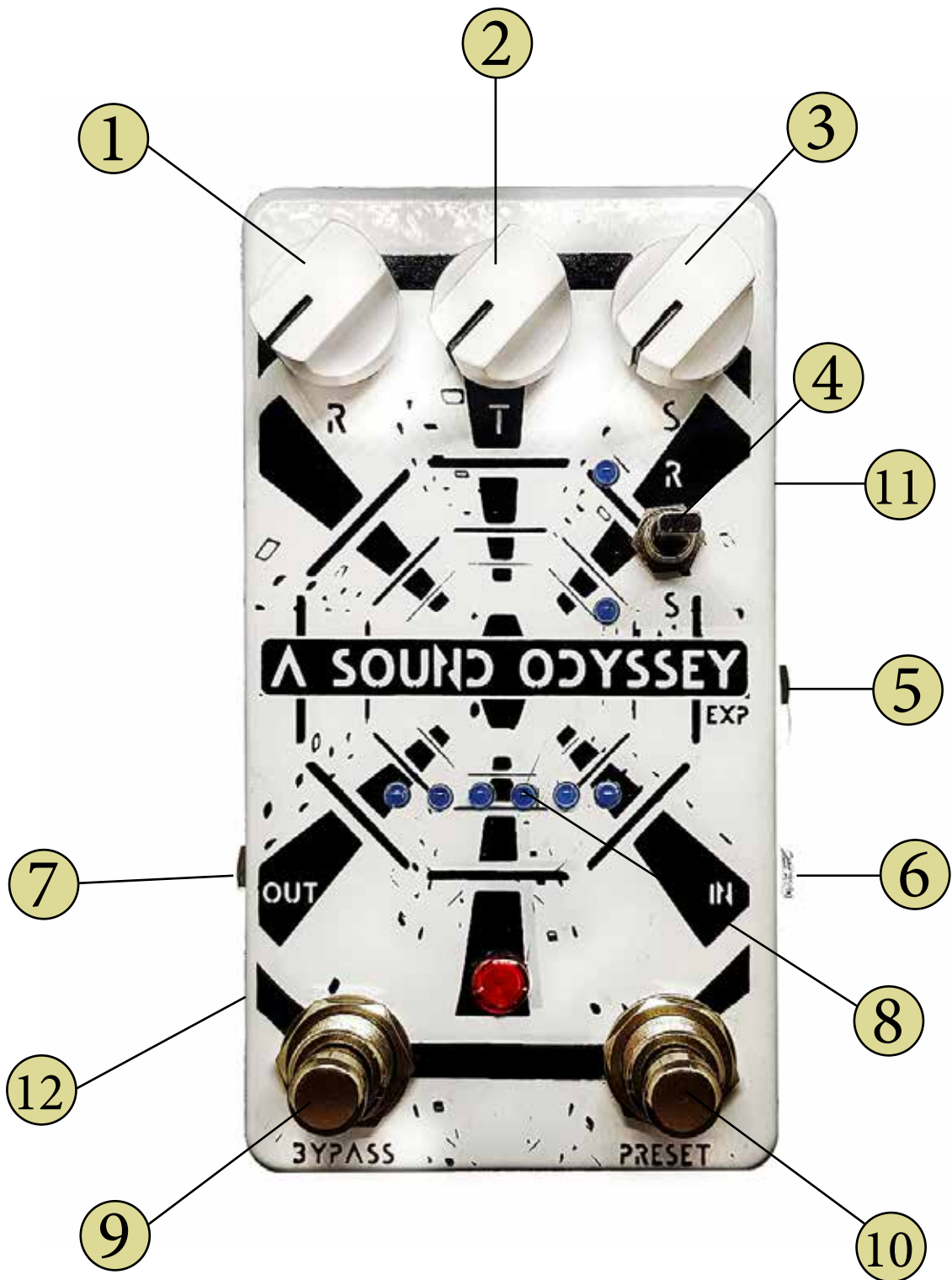
# Λ SOUND ODYSSEY

PROGRAMMABLE REVERB



**SERVUS!  
PEDALE**

Servus!Pedale  
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Germany



1-Reverb control

2-Tone control

3-Space control

4-Expression pedal/CV  
switch

5-Exp.pedal/CV input

6-Effect input

7-Effect output

8-Active preset

9-Effect bypass ON/OFF

10-Select/Save Preset

11-9VDC input

12-MIDI input

## WELCOME

Thank you for purchasing our A SOUND ODYSSEY. This guide will help you to discover all its functions.

## POWER SUPPLY

The pedal can be powered via an external power supply (9VDC negative center pin). We recommend to only use power supplies regulated at 9VDC in order to avoid noises and possible malfunctions of the pedal.



## RECOMMENDATIONS AND WARRANTY

The pedal is designed to be powered with 9VDC, any plug to other than the specified voltage or the use of AC sources will provoke damage to the pedal not covered by warranty. All Servus!Pedale pedals are covered by a 2 years warranty valid from the date of purchase. This warranty against any defects in materials and manufacture is transferable. If the pedal shows any malfunctions during the warranty period contact us and the pedal will be repaired at no charge (parts, labor and return shipping costs). Please don't send any pedal before contacting us.

## FEATURES AND TECHNICAL SPECS

- Reverb with tone and space controls
- 6 programmable presets
- Full MIDI implementation
- Expression pedal/CV assignable
- Relay True Bypass
- Handmade in Germany
- 9VDC
- Current Draw: ~45mA
- Size: 120mm x 65mm

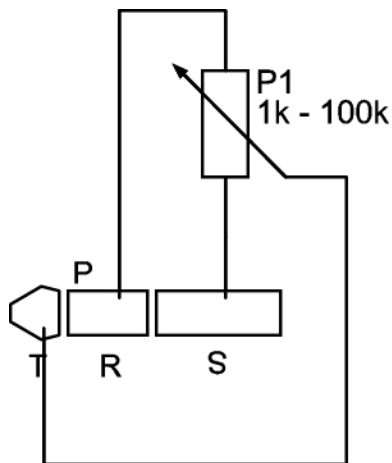
## BASIC CONTROLS

- REVERB: This control adjust the amount of reverb.
- TONE: Controls the tone of the wet signal. The dry signal stays always unaltered.
- SPACE: It works like a feedback loop. It controls the amount of wet signal that returns to the effect input.

FINE ADJUSTMENT: The pedal has a small trimmer inside. This trimmer change the amount of feedback of the Space control. You can obtain an auto oscillating feedback changing this. If you want to make experiments feel free to play with it!

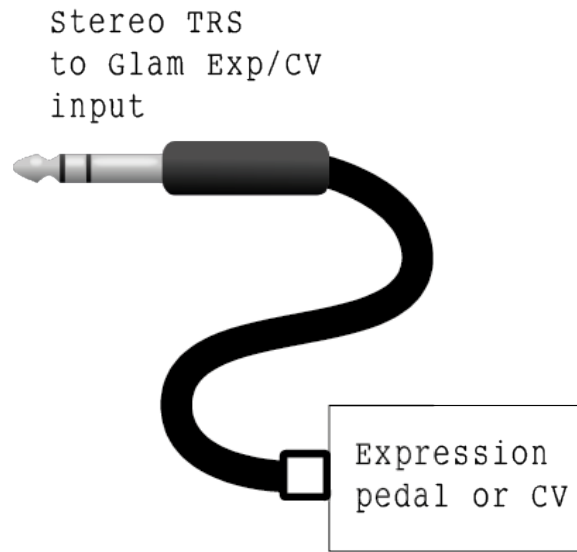
## EXPRESSION PEDAL/CV

You can assign an expression pedal or CV signal (0V-5V) to the gain and level parameters. Choose the desired parameter to control with the EXP/CV SWITCH, and now you can control this parameter with an expression pedal or a CV signal. When the switch is at its middle position the expression pedal/CV input is inactive.



Compatible Expression  
pedal schematic

Connect an Expression pedal or CV generator to the EXP.PEDAL/CV input. **ONLY** use an **Stereo TRS jack** for this connection.



## SAVE AND RECALL PRESETS

Select between the 6 available on board presets by pressing the PRESET footswitch. Once a preset is selected, all the parameters saved before are recalled. You can now change any of these parameters, switch to another preset or save any changes. If you switch to a new preset without saving, the preset parameters will stay like before. To save a preset, change one or more of the parameters and press and hold the PRESET footswitch within 2 seconds. The preset LED will flash to confirm that the preset has been saved. The following parameters can be saved: Level, tone, gain, boost level, boost ON/OFF, Expression pedal/CV control.

### PRESET SWITCH ACTIONS:

Short push: Preset UP  
Long push < 2,5s: Preset DOWN  
Long push > 2,5s: Save preset

**NOTE:** The A SOUND ODYSSEY uses a digital microcontroller to control analog signals. That means when a new preset is recalled, the actual physical knobs and switches stay as they were, and their positions may or may not match with the stored parameters. When the position of one of the knobs or switches is changed, the value is updated and now the knob marker or switch position will correspond with the actual value.

**NOTE:** In some cases the switches has to be changed twice to update the value. Example: On preset 1 the Expression section is saved to Reverb, but the physical Expression switch is down (Space). If we want to activate the Space section we have to change the switch position and again turn it down to Space position. Now the Space section is activated and the Space led on.

## RELAY TRUE BYPASS

The A Sound Odyssey uses a a Relay True Bypass system. This system uses a clickless switch, a PIC microcontroller and a high quality relay to do the bypass operation. This system has a much higher durability than the 3PDT switches usually used on True Bypass pedals.

## COMPONENTS

- 1% Metal film resistors
- WIMA capacitors made in Germany
- Alpha potentiometers
- Neutrik Jacks

## CONTACT

If you have any questions, suggestions or critic don't hesitate to contact us on [info@servuspedale.com](mailto:info@servuspedale.com)

# MIDI

All parameters of the A SOUND ODYSSEY can be controlled via MIDI control change messages. The number of available presets can be increased from 6 to 768 with the use of program change messages.

To connect a MIDI controller to the A Sound Odyssey a 3.5mm to 5 DIN MIDI adapter is needed. You can buy this adapter on our shop.

The A SOUND ODYSSEY is set by default to MIDI channel 3, but that can be easily changed. Just remove power, hold the preset switch and plug the power again. Now release the switch and the A Sound Odyssey will wait until a CC or PC MIDI message is received. When a MIDI message is received the A Sound Odyssey store the MIDI channel (0-16) of this message as default. This channel will be now the default MIDI channel.

**SAVE AND RECALL PRESETS VIA MIDI:** The A SOUND ODYSSEY has 6 banks (on board leds 1-6) of 128 presets each (program change messages 0-127) using MIDI.

Saving a preset works exactly the same as without MIDI, just recall a preset, set the parameters and hold the preset switch within 2 seconds, or send CC Message 103 (127). When the pedal is turned on the A Sound Odyssey automatically recalls the bank 1, preset 1 (program change 0).

Parameter	CC message	Control
Reverb	12	Sending 0 correspond to knob position counter clock-wise, sending 127 correspond to knob position fully clock-wise
Tone	13	
Space	14	
Exp. switch	15	0=Reverb,64=NoExp,127=Space
ON/OFF	102	0=Pedal OFF,127=Pedal ON
Save preset	103	127=Save preset
Preset down	104	127=Preset down