Himmelstrutz Space Gnome Complete Pedalboard Guitar Amplifier

Owner's Manual (Serial. #001–)

Congratulations on your choice of **Himmelstrutz Space Gnome (HSG)**—your analogue alternative/complement to your valve spring-reverb-equipped amplifier which may be fantastic but is *big + heavy* and requires maintenance and probably much electrical energy/power. **Tip**: Read this document before connecting the wires to power up and play your **HSG**, which will give you a better understanding about this unique Swedish product.

Setup/usage:

1. Preparation

Adjust the **Vol control** to zero. The **Vol control** sets the Output Power for the speaker & also the **Rec-Out**# level**.**

2. Speaker

Connect a speaker of 8 to 16 Ω to the **Speaker** 1/4" Jack.

Note1: As there's no speaker included with **HSG**, it's your mission to obtain one or more of 8 to 16 Ω speaker cabinet(s) aimed for guitar amplifiers. Please check this out with your local music dealer or Online.

Note 2: If you're used of valve amplifiers you probably know a speaker MUST be connected, for safety. No worries here: if you don't connect a speaker to **HSG** it will not be unsafe—it may only be silent while no speaker is connected but it will *not* destroy the amplifier!

3. Instrument in

Connect your instrument, or the output from your pedal(s) to the **Input** 1/4" Jack.
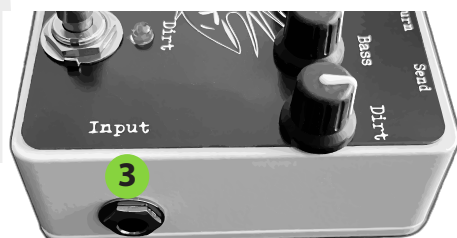
4. Power Supply

A) Connect the included, dedicated **AC/DC-adapter** primary connection to a grounded mains outlet (100 to 240V AC/50 or 60 Hz) with the included **Mains Power Lead**

**B)** Connect the The **AC/DC adapter** secondary plug to the **HSG 24V DC jack**

Note: Use ONLY the included, dedicated, 24V AC/DC adapter for powering **HSG**.

5. Effects loop

Effects, such as reverb, delay or modulation effects, are well suited for connecting to the **HSG** serial effects loop where the **effect input** is connected to **HSG Send** and the **effect output** is connected to **HSG Return**

Tip: As the physical footprint of **HSG** is reduced there's also a limited space for connectors, so we recommend you to use **Straight** instead of **Right angled** connectors, but if you fancy not following recommendations it's of course up to you to decide.

Right angled

Straight

< Return connects from **< effect output**
Send > connects to **> effect input**
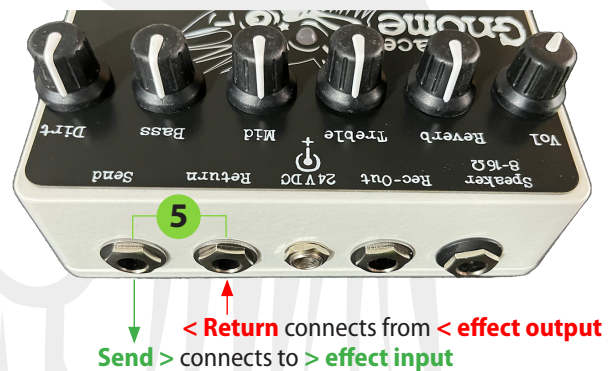
6. Mains- and output power status LED

When the power supply is connected, the power indicator (LED) of **HSG** shines up in an adventurous green colour. This indicates **HSG** is working and when you play @ lower power (the **Vol** control is set lower) the LED will mostly remain green.

When you increase the **Vol** control the LED will change colour from green to orange and finally get more red at really high **Vol** settings (about 30 watts maximum) to warn you about the beautiful danger of high sound pressure, which in this context might get loud and harmful for you and your dog's ears.

7. The Clean & The Dirt

HSG is equipped with 2 main characters/channels: **The Clean** & **The Dirt**.

The Clean: To use the **Clean** channel, push the **Dirt footswitch** so the **Dirt** LED get into OFF mode. In this state the **Dirt control** has no function (is inactivated) and the output character will be focused on clean, shimmering sounds—which *can* get a bit overdriven on higher **Vol control** settings.

The Dirt: To use the **Dirt** channel, push the **Dirt footswitch** so the **Dirt LED** get into ON mode and now you'll have a valve sounding overdrive channel available where you adjust the **Dirt level** (overdrive) with the **Dirt control**—which can be adjusted from light, smooth overdrive into a pretty rough and heavy distortion (but not metal).

We recommend you to start with the **Dirt control** set around 50% and from there use your ears and tongue to find your preferred amounts of overdrive/distortion.

Use the **Vol** control to set the Output Power (and the **Rec-Out#** level) and then use the **Bass**, **Mid** & **Treble** for any further tone character adjustments. If you need more, or different kinds of overdrives, **HSG** also works great with many different kind of guitar pedals!

8. #Rec-Out (direct recording/DI)

If you want to record directly (DI) from **HSG**, with or without a speaker, use the **Rec-Out** connector. **Rec-Out** is an *emulated* output with *British/Celestion* kind of speakers in mind to connect **HSG** straight into a tape recorder or a DAW (Digital Audio Workstation/Computer Sound Card). This is handy if you want to record silently at *bedroom level*, which means you can record from **Rec-Out** without a speaker connected to the **Speaker** output—OR also with a speaker connected in case you want to hear and *feel* the guitar better in the recording room and therefore get more sustain—win-win—OR why not also mix the **Rec-Out** signal with microphone(s) to capture ALSO the tone of your speaker(s)? It's all up to you and your imagination/patience/time/demands.

9. Reverb

With the ****Reverb footswitch** you activate (LED ON) or deactivate (LED OFF) the built in surfer-dude-friendly **Spring Reverb for which you set the Reverb level with the **Reverb Control.**

The Reverb in **HSG is one of the reasons for *Space* in the naming of this product and as **HSG** is smaller than any existing spring reverb unit we have chosen an alternative which very much sounds and feels like an old spring reverb.

10. Adjusting the tone/playing your instrument

A: Make sure the **Vol** control is still set to minimum (0).

B: Check that your instrument is connected to **Input**.

C: Adjust the **Dirt** and the tone controls **Bass**, **Mid, Treble** and **Reverb** to around 50% (noon).

D: Push the **Dirt footswitch** to set LED=ON (Dirt/Overdrive activated) or LED=OFF (Clean) mode and lightly increase the **Vol** control. Then increase or decrease the **Dirt** control simultaneously, or later, or before, whatever you like! Play some notes and try your way until you find sounds/levels/tone characters of your liking. If you need more or less overdrive, push the **Dirt footswitch** again in case you don't know why or what you're doing at this very moment … The same goes with the **Reverb footswitch** & its corresponding **Reverb Control**: Push the **Reverb footswitch** to choose Reverb ON or OFF and set your wanted reverb level with the **Reverb Control**.

Note 1: Despite the small format of **HSG**, by simply turning 6 controls and jumping on 2 switches you can make this pedalboard-friendly amplifier roar and scream like huge, classic older brothers or sisters which uses them stone-age vacuum valves!

Note 2: If you need to change the tone character even more, in case you connected pedals in front of **HSG**—or connected effects in the serial **Send**/**Return** effects loop—then adjust the **Dirt, Bass, Mid, Treble, Reverb** & **Vol** until you finally arrives @ destination sounderland-wonderland!

---

8. Summary

At Himmelstrutz Elektro Art we wish you will get good use of and find a lot of inspiring sounds and feel in company with your **Himmelstrutz Space Gnome**!

Take care of your hearing: if you play loud, please use ear protection, which may be forgotten when you experience nice sounds. But don't forget this as loud sounds may be harmful to your ears—it's not particularly cool knocking yourself deaf by not thinking around the next corner.

For questions or comments, don't hesitate to contact Himmelstrutz Elektro Art, Sweden.

Sincerely,

Joakim Hedeby,
Himmelstrutz Elektro Art, Sweden

Himmelstrutz Space Gnome Connections/Controls

Ⓐ Speaker 8-16 Ω Output
Ⓑ DI/Recording Output (10 kΩ)
Ⓒ 24V DC Power Supply Input
Ⓓ Effect Loop Return Input (1 MΩ)
Ⓔ Effect Loop Send Output (1 kΩ)
Ⓕ Output Volume Control
Ⓖ Reverb Level Control
Ⓗ Treble Level Control
Ⓘ Mid Level Control
Ⓙ Bass Level Control
Ⓚ Dirt (Overdrive) Control
Ⓛ Reverb Switch & LED Indicator
Ⓜ Dirt/Overdrive Switch & LED Indicator
Ⓝ Power ON/Status LED Indicator
Ⓞ Instrument Input (1 MΩ)

| Technical Specification			
Model	**Model Family**	**Technology**	**Channels**
Himmelstrutz Space Gnome	Himmelstrutz Gnome	100% Solid state/valve substitute (No digital/No OP-Amps)	2
Output power	**Outputs**	**Inputs**	**Controls**
8 Ω approx 30 watt * 16 Ω approx 15 watt * (4 Ω approx 50 watt **) * @ about 10 % distortion, which for electric guitars usually is a good thing. ** 4 Ω (or less) is not recommended/may overheat/damage **Himmelstrutz Gnome**	1 x **Speaker** (8 to 16 Ω) via 1 x 1/4" Jack Socket 1 x **Rec-Out** via 1 x 1/4" Jack Socket (10 kΩ output impedance) 1 x Series Effects Loop **Send** via 1 x 1/4" Jack Socket (1 kΩ output impedance)	1 x **Input** via 1 x 1/4" Jack Socket (1 MΩ input impedance) 1 x Series Effects Loop **Return** via 1 x 1/4" Jack Socket (1 MΩ input impedance)	**Bass, Mid, Treble, Dirt, Reverb, Vol** (via 6 potentiometers & 2 switches)
Dimensions (Controls & feet included)			
Weight (kg/lbs) 0,5 kg/1,1 lbs	**Width** (mm/inch) 125,0/4,9	**Height** (mm/inch) 51,0/2,0	**Depth** (mm/inch) 100,0/3,93

Himmelstrutz Space Gnome Internal Controls/Settings

Note: Adjust the internal settings ONLY if you're sure what & why you're doing these things—otherwise don't hesitate to contact Himmelstrutz Elektro Art for assistance! To access the internal settings you need to unscrew 4 external screws with a Philips screwdriver, on the bottom plate, and you'll also need a few tools for the internals:

Tools needed to adjust the internal controls:

1 x small screw driver (for trimmers) (tip < 3mm)

1 x flat pliers (for jumpers)
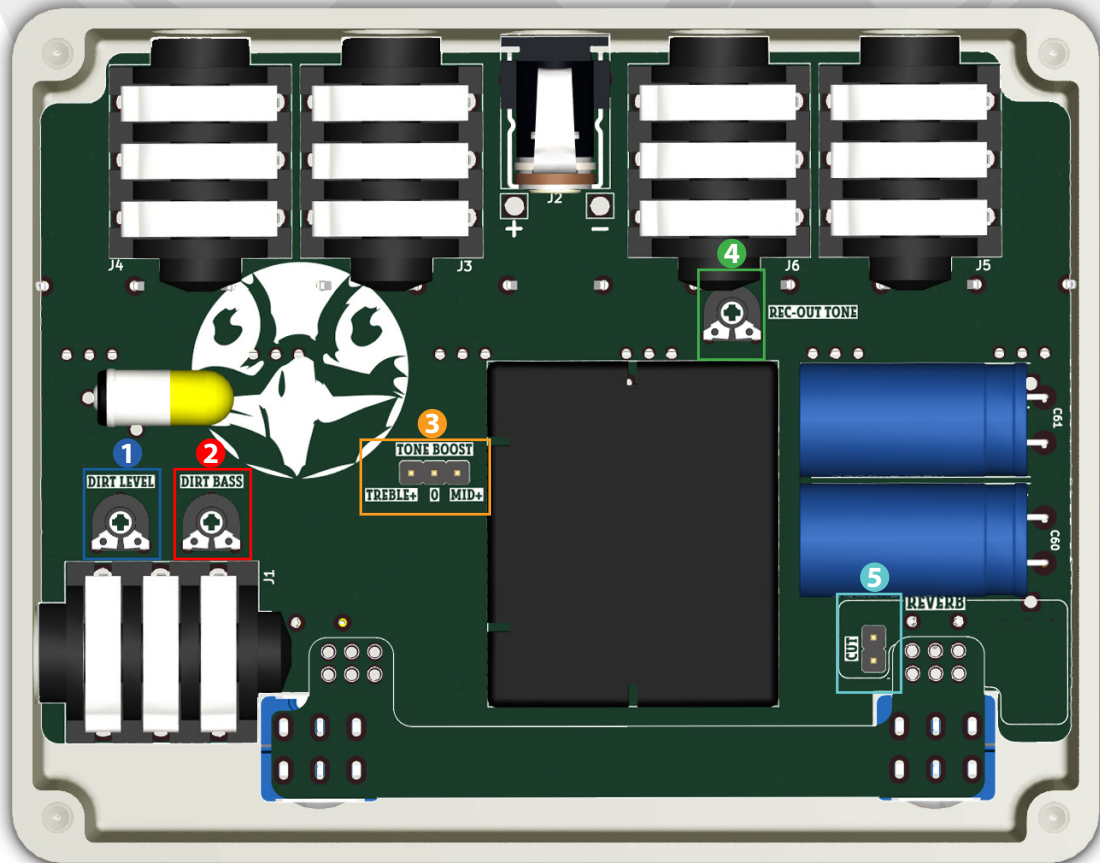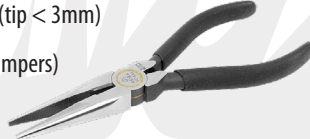
1. **Trimmer**: Adjusts the level for the Dirt (overdrive) channel.
2. **Trimmer**: Adjusts the lower frequencies (bass) for the Dirt (overdrive) channel.
3. **Jumper/Switch**: Adjusts the mids or higher frequencies for both the Clean and the Dirt channel.
4. **Trimmer**: Adjusts the tone character for the **Rec-Out** (DI output).
5. **Jumper/Switch**: Adjusts the higher frequencies (ON=Cut) for the Reverb.

The adjustable parts are marked with a coloured rectangle and a corresponding number for details in the illustration above.

Note: As the settings will vary depending on production variations/tests we can not show a *default settings* map in this owner's manual.

And as mentioned earlier: for questions, comments or assistance don't hesitate to contact Himmelstrutz Elektro Art, Sweden!

Sincerely,

Joakim Hedeby,
Himmelstrutz Elektro Art, Sweden