

## Strakal Orsel / Eurorack Module

The Strakal Orsel Module is a **Tube Distortion** but it can do much more. With proper settings it can act as a crude VCA and a noise generator.

### Features :

- 12HP / anodized aluminium panel / Red painted
- Jacks : Input, Output, CV Input
- Knobs : **Feedback** (Boukl Retroaktiñ), the big one, **Volume** (Gounid), between the 2 stages of tube amplification) and **Gain** (Ampled) set the level of distortion.
- Switches : **Triodenn**, switch the first tube in pentode or triode mode, **Feedback** (Boukl Retroaktiñ) (enable the use of the feedback knob)
- Hand-wired, Boutique quality, Made in Plougastel-Daoulas.
- Stupid Breton name



### Power consumption :

**The module needs a dedicated 5V bus from your case**

(tested with Eowave source d'Energie, Frap Tools Silta, DotRed audios Power base)

+12v : 5 mA

-12v : 5 mA

**+5v : 350 mA**

The "Tub Modul" is powered via a built in voltage multiplier up to 35V from the 12V bus.  
The heaters of the tubes are powered via the 5v bus



**Always switch off your case before installing or uninstalling the module**

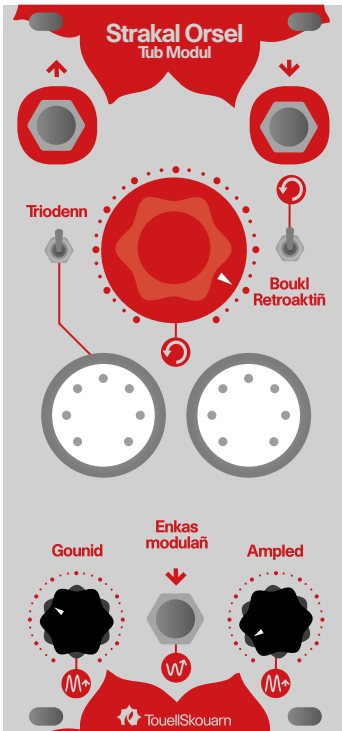
### Tube equivalents :

The **Regular** module is sold with 2 x Russians NOS **6j1P**,

the **Special** one is sold with 2 x USA **5654** tubes (low noise premium-grade substitute for 6AK5)

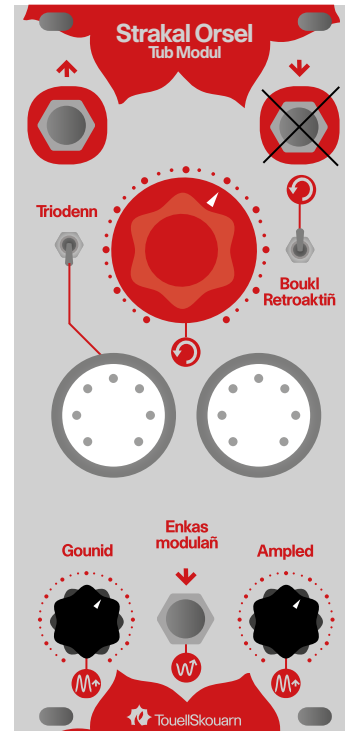
You can also use a **6AK5** or **EF95**.

## Tube Distortion



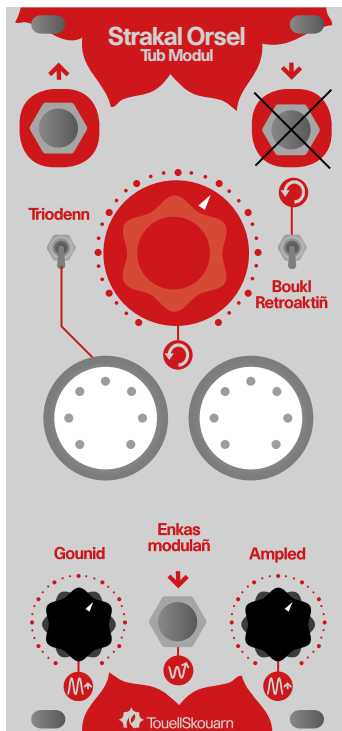
Plug your signal into the input and output some distortion. **Triodenn**, **Gounid**, **Ampled** and **Feedbacks** to taste. You may control some of the feedback via cv by inputting some modulation into **Enkas Modulañ** and lowering the **Ampled Knob** (between 0 and 1 or 2)

## Oscillator



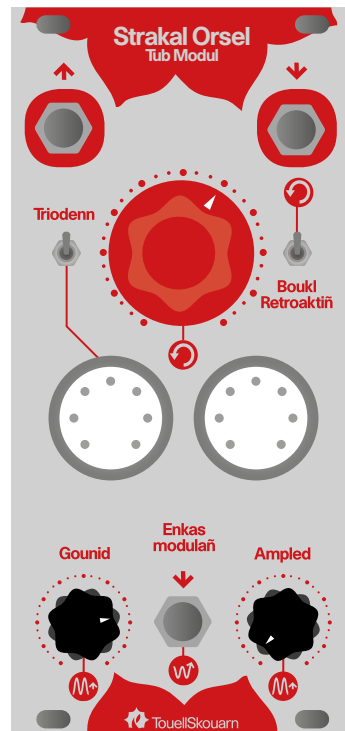
Plug only the output. **Feedback** switch up. **Gounid** and **Ampled** to taste. You may control some of the pitch of the Oscillator via cv by inputting some modulation into **Enkas Modulañ**. (Sorry no 1v/Oct)

## Noise Generator



Plug only the output. **Triodenn** and **feedback** switches down. **Gounid** and **Ampled** to taste. You may control some of the noise via cv by inputting some modulation into **Enkas Modulañ**

## Crude VCA



Plug your signal. **Feedback** switch down. **Gounid** to taste and you may control some of the volume via cv by inputting some modulation into **Enkas Modulañ** and lowering the **Ampled Knob** (between 0 and 1 or 2)