

# MANUAL RAUNA ODEN



**KITTE**  
**RAUNA of SWEDEN**  
[www.rauna.com](http://www.rauna.com)

# Congratulations!

You have purchased one of the coolest and affordable truly High End loudspeakers, that will give you and your friends sound-pleasure for years and years.

Only the best materials are used for Oden. Special developed stiff magnesium/aluminum bass-driver with voicecoil made of titanium makes it faster without any eddycurrent-interference. Crossovers are handbuilt with High End components. Midrange/treble is a High End coaxial driver. The foot is made of exclusive Finish plywood, with glazed paint covered and sealed in transparent oil. The cabinet from concrete is acoustically brilliant and hard to "beat" whatever money is spent. It is also carefully internally damped. The connectors for speakercables have leads of pure silver and is from the German WBT-brand.

Please read this instruction manual carefully to get the most out of your Oden.

## History

Rauna was introduced 1982. The stable concrete-loudspeakers made immediate success. A more "stable" cabinet and "natural sound" was unheard at the price-level. Rauna has always been made in Sweden by very talented craftsmen.

All Rauna-models are named from the "Nordic Mythology". Vale is halfbrother to Vidar and their father is Oden.

You as an owner is now part of the Rauna legacy!

## Unboxing

Oden are heavy! Around 52 kilos each. Please be two persons while unboxing your Rauna Vale.

*Do not drop!*

Concrete is heavy and solid but can be damaged if they are dropped or "hitted". Those actions are not covered by warranty.

The boxes are made of wooden box with internal styrofoam, protecting the Oden. The styrofoam will leave some "flakes" (sorry about that) so please have a vacuumcleaner ready!

Best way is to open the wooden-box on front by unscrewing screws, lift the speakers (two person job) straight up from box direction ceiling.

Carefully lift the Vale "up side down" standing on a soft surface with the "foot" pointing upwards. Insert the 4 pcs feet/cones made of wood, screw (M8 thread) them in and adjust them so that they will stand stable on the floor. Normally all feet should be "all way in" or almost. If you do want to experiment with "angle" please feel free, but normally the Oden:s should stand "flat" as they are their drivers are positioned to "hit" the listener at the same time, and you should not hear any big difference sitting or standing.

The 4 feet must be fitted to get the proper distance from floor to the bassreflex-port. They will only have a small surface touching the floor making the loudspeaker sounding better without disturbing neighbours e t c and they will not damage your floor if it is not made of very soft surface. Normally no floor protection is needed.



## Connecting

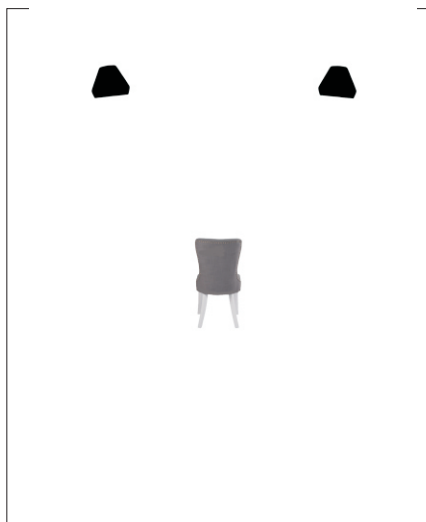
Turn your amplifier off and connect speaker cable to your amp. Speaker wire plus (+) in red speaker connection/binding post and minus (-) in black or white connection/binding post.

Connect directly to Oden binding posts (WBT silver) in the back. Do the same procedure for both left and right channel. Oden use “bananas” and “spades” or unscrew the binding post and use the bare wires. Turn the amplifier on.

Select source and play. Oden should sound good from the start but needs 300 hours of playing until reaching their full potential. The bass/midrange will become deeper and with more impact and the treble unit will have more “warm sound”. Every range will get more detailed.

## Listening position

Like a “stage” position the speakers in front of you. Not in the corners as you will get “boomy” bass and “thick” midrange/voices. Ideally at least 40-50 cm from the corners. Oden is capable to give good bass-performance even placed “free” in the room so it is worth trying different positions. The more in to the room the more depth in the soundimage generally. Ideally you should place yourself in the middle heading towards the speakers. The distance from you to the Oden should not be closer than between them because a “hole” in the soundstage will appear, neither should you place the loudspeakers too close as the soundstage will become smaller.



We prefer toeing in the Oden towards the listening position, but all is a matter of taste. Try!

We also recommend a carpet on the floor in front of speakers, to avoid first “nasty” reflections, that can sound “harsh”.

You can measure that you have the same distances from walls etc, but the most important is that when sitting in “the middle” playing a “modern recording” the voice should be right between the speakers. Close your eyes and point with your hand where the singer is in the soundstage. It should be right between the loudspeakers when looking! If not perhaps you need to move one speaker closer to the wall to get more “support”. A room is usually not entirely the same in every aspect. Sometimes it is windows placed on one side that gives less “support” or different materials in the walls.

Always search for “balance” in your sound. In a good recording all different parts should “sum up” in harmony. The Odens are very

good in “natural” performance without any coloration in the cabinets. You only hear the “vibrations of music/movies”. They have unusually good “spreading” so they will “fill” the entire room!

## Every Oden loudspeaker is unique

Oden is handmade in Sweden. There might be some small differences in appearance on the painted ones as they are molded in concrete, and it is almost impossible not to have small “variations”. The “natural concrete is even more unique. They will differ from each other! They are handpicked out to be the very best moldings and you will be able to see different “concrete-patterns”. It's only normal, making them quite unique! However sound is always the same!

## Cleaning

Please use a microfiber fabric or similar with a mild soap-solution and clean the speakers if dirty. Otherwise just dust them off. They should not be affected by time.

# Specifications Oden

**Type:** 3-way floorstander with downfiring bassreflex (35 Hz)

**Treble/Midrange:** 6.5 inches coaxial magnesium/aluminum driver with neodymium magnetsystem

**Frequenzy range:** 30 Hz - 22.000 Hz +/- 3 dB

**Nominal impedance:** 8 Ohms

**Lowest impedance:** 6 Ohms at 100 Hz, 4 Ohms att 550 Hz & 8000 Hz

**Sensitivity:** 88 dB

**Crossover:** 370 Hz , 2000 Hz

**Max power:** 350 W

**Continuos power:** 200 W

**Size:** H 925 x W 353 x D 395 mm with feet

**Weight:** Approx. 52 kg each

**WEB:** Rauna.com

Specifications may change without prior notice.

