



PHONEMA

# INSTRUCTION MANUAL



**RHEA**

HAM SPEAKER

*Thank you for choosing a Phonema speaker passionately designed by and for hams.*

*To fully enjoy the benefits of Rhea, please read these instructions thoroughly before using it with transceiver or receiver.*

*At Phonema we have followed the most demanding acoustic criteria to provide a speaker capable of delivering maximum quality sound. First of all, we have carefully selected the membranes so that the signals are heard in a clear and comfortable way, from weak Morse signals to powerful broadcast emissions. Secondly, we have filled in the interior with absorbent materials to remove the annoying resonances that might occur in traditional communications speakers. And finally, we have paid an exquisite attention to design, transmitting warmth, elegance and personality to your shack.*

*Rhea, as a Phonema speaker, is a handmade piece created with enthusiasm and dedication. We hope you enjoy it for a long time.*

## **CONTAINS**

- 1 Speaker
- 1 Instruction manual

- 4 Icom feet with screws
- 4 Yaesu/Kenwood feet with screws
- 1 mini jack mono
- 1 piece of speaker cable

## **CHARACTERISTICS**

The Rhea model is designed for modern transceivers with a front height of about 115 mm (4,52 in). Additionally, thanks to its adjustable stand it can be perfectly adapted to equipment whose height is between 110 mm (4,33 in) and 130 mm (5,11 in).

Designed to:

Icom IC7600, IC7410, IC7400, IC746, IC9100, IC756, IC738, IC737, IC751, IC750, IC745, ICR71, ICR70, IC720 and IC701.

Yaesu FTDX3000, FTDX1200 and FT950.

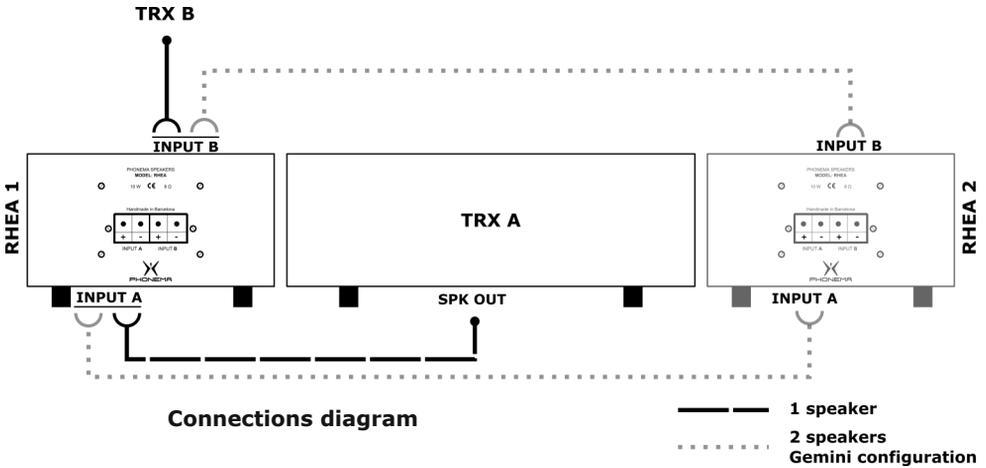
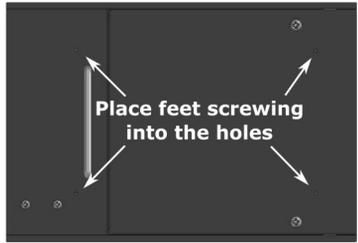
Kenwood TS870 and TS850.

# INSTALLATION

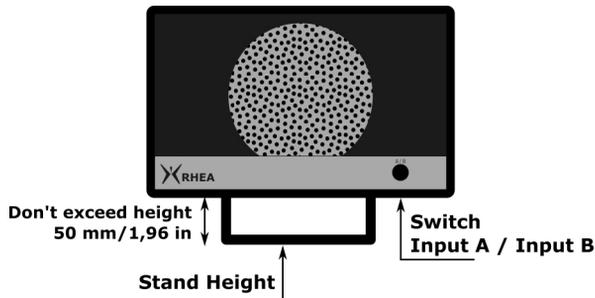
Rhea does not have the feet installed. Inside the box you will find two bags containing rubber feet and fixing screws. Read carefully the bag labels so that you can choose the feet that corresponds to your transceiver.

To connect Rhea to your transceiver, first you need to prepare the cable. You are welcome to use the supplied cable and connector. On the one side, weld the connector respecting polarity. On the other side, skin 10 mm (0,39 in) from each conductor and tin it. You are ready not to interconnect the speaker and the transceiver together using the input you prefer, A or B.

If you have purchased a second Rhea for the Gemini configuration, this can be connected by putting together the terminals with those of the transceiver in either input A or B. Remember that in this case the resulting impedance is 16 ohms.



We strongly recommend the Gemini configuration or the use of two speakers, each one oriented towards each ear. This practice improves hearing since sound gets at the same intensity to your ears. Moreover, it allows concentration by reducing fatigue. Should you just have one speaker, please place it centred respect your position and at your ears level. You can use the extendable stand to orient the speaker to your ears and align it with your transceiver. Remember not to exceed the maximum height of 50 mm (1,96 in)

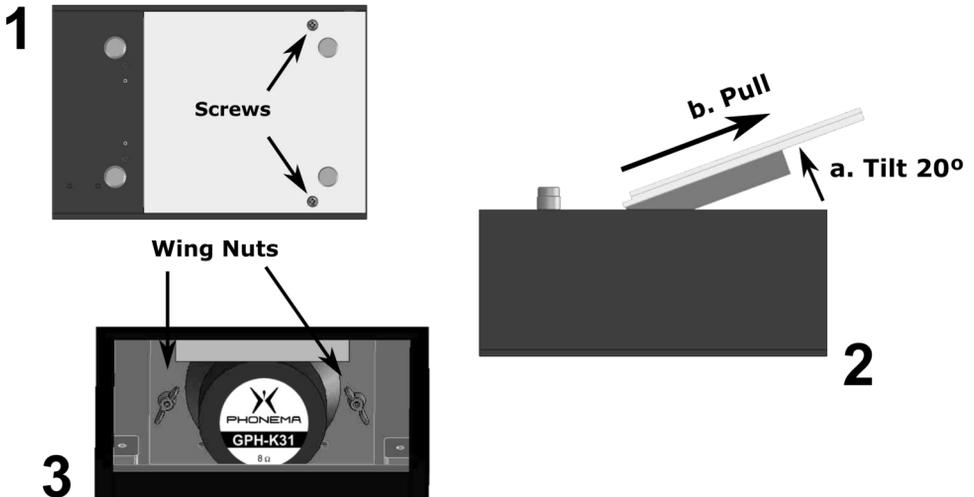


# GRILLE

Rhea incorporates a grille to protect the speaker membrane. This grille might be removed in order to get a cleaner sound. Please consider the speaker is at no risk of being damaged should you remove the grille. To do this, please take Rhea's bottom cover apart by unscrewing the two screws shown in picture below. Then, lift the cover tilting it by about 20 ° and slide it back until the flange on the front is released.

Inside the box, on both sides of the speaker membrane, there are two wing nuts. Remove them to release the wooden trim. If necessary, gently push the front from the inside, applying force on the bolts. Once the wooden trim is released, the grille can be removed.

Replace again the wooden trim and screw the wing nuts. Close the cover again following the reverse process to open it and fix it with the corresponding screws.



## SPECIFICATIONS

- Box material: .....MDF
- Front material: .....Sucupira Wood
- Inside material: .....Acoustic Foam  
.....AG150 and Basotect
- Power:.....10W
- Impedance: .....8 ohms
- Frequency response: .....75 - 18000 Hz
- Sensitivity: .....87 dB
- Driver protection: .....IP64
- Dimensions (WHD):.....186x110x275 mm  
.....(7,32x4,33x10,82 in)
- Weight:.....2,25 Kg (4,96 lb)

## SAFETY

- Carefully read the section of your transceiver manual describing the speaker wiring.
- Do not use the stand to hold or carry the speaker.
- Clean the speaker using a dry cloth. If required, you can slightly dampen the cloth.
- Do not use solvent-based cleaners.
- This speaker is a handmade product, slight imperfections might be present.