

MIRANDA S

HAM SPEAKER

Instruction Manual

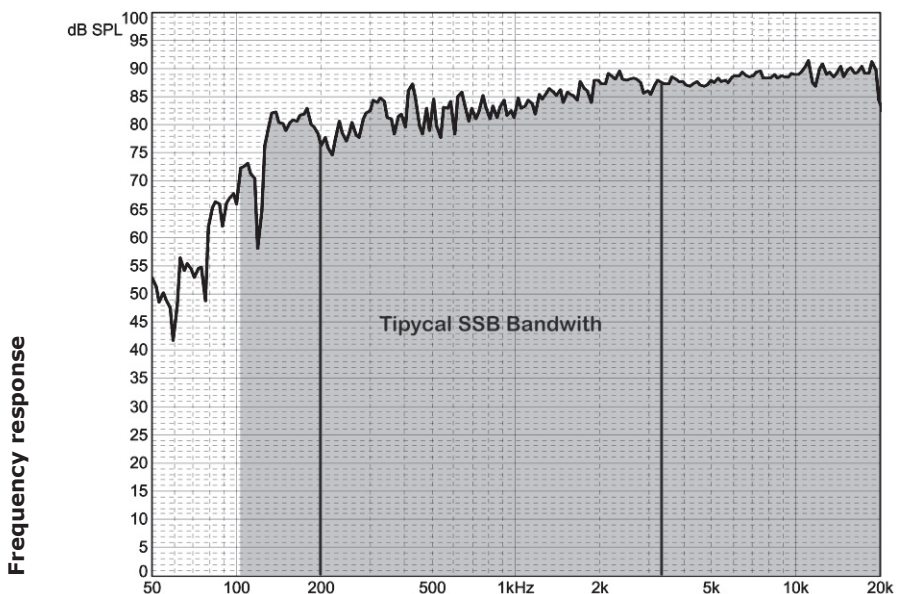


Thank you for choosing a Phonema speaker passionately designed by and for hams.

To fully enjoy the benefits of Miranda-S, 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.

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



CHARACTERISTICS

The Miranda-S model is designed for transceivers with a front height between 84 mm (3,3 in) and 102 mm (4,01 in).

Designed to:

- Icom IC7300, IC725, IC728, IC730, IC735, IC821, IC910.
- Yaesu FT890, FT707, FT900, FT840, FT757, FT747, FT650 FT-847 and FT77.
- Kenwood TS590, TS570, TS2000, TS450, TS440, TS430, TS711, TS811, TS140, TS680.
- TenTec Delta II and Argonaut II
- And other transceivers with similar dimensions.

Miranda-S presents a frequency response that clearly favors voice intelligibility in SSB. Frequencies between 200 and 320 Hz have a certain attenuation that mitigates the QRM. From 320 Hz onwards, sensitivity stays around 83 dB up to 1.2 KHz. Then, it rises to 88 dB between 2 and 2.8 KHz.

In the bass sounds region the curve has an important emphasis between 120 and 200 Hz. This feature offers the option to enjoy very solid bass sounds, both to AM listening and to opening the SSB filter with wider signals.

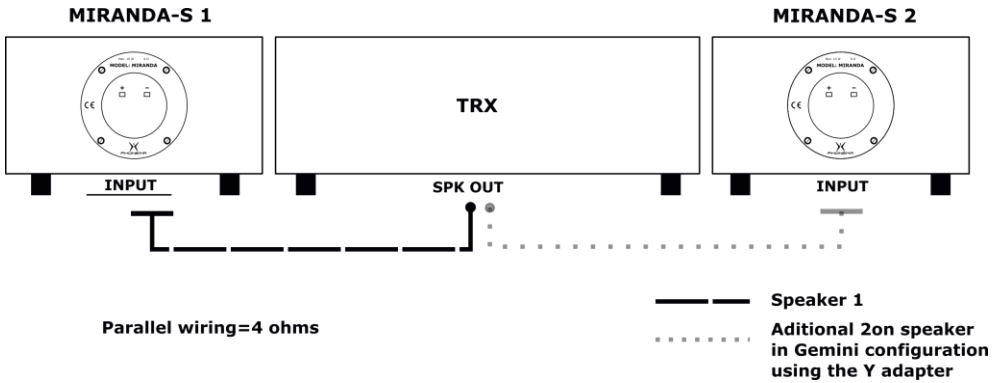
Between 3.1 KHz and 18 KHz, Miranda-S offers a fairly flat curve that ensures good sound for broadcast signals.

INSTALLATION

We strongly recommend the Gemini configuration, 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)

CONTAINS

- 1 Speaker
- 1 Instruction manual
- 1 mini jack mono
- 1 piece of speaker cable
- 1 Y mini-Jack adapter



Connections diagram to wire one or two speakers

SPECIFICATIONS

- Box material: MDF and alumnium.
- Inside material: Acoustic Foam AG150 and Basotect.
- Power:.....10W.
- Impedance: 8 ohms.
- Frequency response: 120 - 18000 Hz.
- Sensitivity: 83 dB.
- Driver protection: IP64.
- Dimensions (WHD):.....153x101x255 mm (6x4,01x10,04 in).
- Weight:.....1,58 Kg (3,48 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.