

Users / Installation Guide: JC-4 Antenna Tuner BALUN for radioamateur HF transmitting / receiving antennas.

Properties:

- Broadband transmission line transformer (Common-Mode Choke) with impedance ratio of 1/1.
- Transmission line winding designed for high voltage withstand.
- Frequency range: 1,5MHz tot 55 MHz,(depending on the version; see label on the product)
- Large ferrite volume, preventing saturation under high power conditions.
- Use of teflon insulated transmission line with high temperature resistance and high power / voltage withstand.
- Circuit installed in waterproof housing and impregnated / potted with synthetic resin.
- Maximum power: 1200W PeP. (ICAS)

Versions:

- Standard version, optimized for the mid / high HF bands, using "Mix 43" ferrite toroid core.
- Optional variant optimized for the low HF bands, using "Mix 31" ferrite toroid core.
- Custom versions on request.

Use:

Suitable for deployment at any position in the balanced feedline.

Use of the BALUN / Line Isolator beyond the specified frequency or power range can destroy it and cause safety risks.

The product must be considered as a sub assembly, intended to be a part of an amateur radio antenna installation.

The product is exclusively intended for outdoor use, in a fire safe and explosion safe environment.

Compatible with JC-4 and similar antenna tuners.

Connections:

M6 stainless steel wire terminals on input and output.

Important safety instructions:

- Read these instructions prior to installation of the product and heed warnings. Retain this document..
- Apply during installation and use all possible safety countermeasures, like described in amateur radio courses and literature.
- Install the product out of reach of persons and animals.
- Always install the product so that it cannot fall on persons or property.
- Do not attempt to open the enclosure .It is sealed from the inside. Attempts to open the enclosure will damage it and void any warranty.
- Inspect the product on a regular basis and immediately replace if damaged.
- Install additional external lightning protection and earthing, as a means of secondary protection, and disconnect the antenna wires during thunderstorms.
- Never work on the antennas or antenna wires during thunderstorms.

WEEE



**You will find the following "crossed out wheeled bin" symbol on the product, indicating that it can harm the environment and it should be disposed of by the end user, separate from other types of waste.
In case of questions, please contact your local authorities regarding recycling.**



You will find the following "High Voltage Hazard" symbol on the product, indicating that the terminals (just like the antenna itself) carry dangerous high voltages during transmission, and that caution is required, in order to avoid electrocution or RF burns.

The specifications and information regarding this product are subject to changes without prior notice.

All statements, information, recommendations and warnings in this user guide are deemed to be accurate, but are given without any warranty.

Users must take the full responsibility for the application of the product.