

MFJ-907 RF Impedance Transformer

INTRODUCTION

The MFJ-907 RF Impedance Transformer is a multi-tap, toroidally wound impedance transformer. It handles 1000 watts SSB PEP over a frequency range of 1.8 – 30 MHz and uses SO-239 connectors for easy installation. In a typical setup the MFJ-907 is a step-down transformer with the eleven switched tap settings covering an impedance matching range of approximately 2 to 50 ohms at 1.8 MHz. In an atypical setup – which is done by switching the source and load connections – the unit becomes a step-up transformer covering an impedance matching range of approximately 200 to 50 ohms at 1.8 MHz.



OPERATION

1. With the MFJ-907 out of the circuit, tune your antenna for the lowest VSWR.
2. Insert the MFJ-907 in the transmission line.
3. Starting with the letter K (lowest added impedance) key the transmitter at low power on each of the switched positions. Use the position that gives the lowest VSWR.

Caution: DO NOT “hot switch”! This may cause damage to your equipment. Make sure the transmitter is not keyed when you switch the MFJ-907.

If the antenna impedance seems to be higher than that of the transmitter, the connections on the MFJ-907 can be reversed to form a step-up transformer. After reversing the connections, follow the previous steps.

TECHNICAL ASSISTANCE

If you have any problem with this unit first check the appropriate section of this manual. If the manual does not reference your problem or your problem is not solved by reading the manual, you may call *MFJ Technical Service* at **662-323-0549** or the *MFJ Factory* at **662-323-5869**. You will be best helped if you have your unit, manual and all information on your station handy so you can answer any questions the technicians may ask.

You can also send questions by mail to MFJ Enterprises, Inc., 300 Industrial Park Road, Starkville, MS 39759; by Facsimile (FAX) to 662-323-6551; or by email to techinfo@mfjenterprises.com. Send a complete description of your problem, an explanation of exactly how you are using your unit, and a complete description of your station.