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## Instructions for JTLA2

### Specifications:

Power Handling: 3kW PEP/1.5kWDC  
Frequency Range: 30-500 MHz  
VSWR: Less than 1.1:1  
Insertion Loss: Less than .1db  
Voltage Attack Time: 0 to 10 billionths of a second  
Surge Current Capacity: 20,000 Amperes  
Impedance: 50-75 Ohms



### Installation

The JTLA2 is polarized. It is very important that you get the antenna and radio side hooked up correctly. See diagram below. You want the JTLA2 to be the last thing inline, after your tuner, wattmeter, amplifier, etc. In most applications this will be between your antenna tuner and antenna.

It is recommended that you install the lightning arrestor as close to your ground rod as possible. A very low resistive path to ground is very important for the JTLA2 to work properly.

It has 2 ground connections one on each side. You may use either of these depending on your application. You may also mount the unit to a plate, then ground the plate.

The JTLA2 is not waterproof. If you are installing outside, please make waterproof as necessary.

### Operation

The JTLA2 essentially converts your antenna to a DC grounded antenna. So it is constantly working. It does not wait for a surge of voltage. It is constantly draining any voltage transients to ground. It has a backup gas discharge device for exceptionally large or fast rise impulses.

Since the JTLA2 is constantly draining any surges to ground, it will reduce some unwanted hash noise.



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