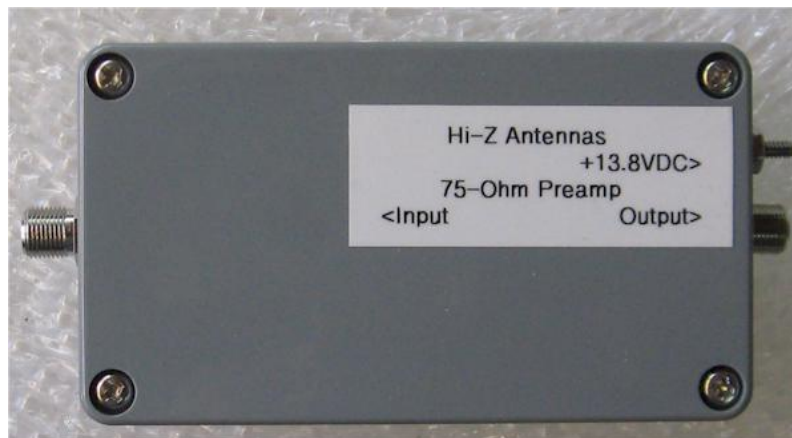




HIGH PERFORMANCE

HF RECEIVING SYSTEMS & COMPONENTS

Hi-Z Antennas™ - Hi-Z Preamp



The Hi-Z Antennas™ 75Ω Preamp is used on our Triangular (3 element), 4, 8 element array systems. These are used to amplify the output signal level from the phase controller to the receiver. This 75 ohm cable amplifier was designed to be used as a system amplifier for 160 and 80 meter receiving antennas. Its primary purpose is to provide a precision termination for typical antenna array controller/combiners. In typical operation this amplifier would be connected to the output of an array controller providing precision termination and 15dB. of voltage amplification. Nominal input impedance is 75ohms when the output port is also terminated in 75 ohms.

- Operates from 13.8Volts DC at .04 amps
- Drives 75 ohm coaxial cables at over +20dBm
- Quality G-10 fiberglass circuit board
- L=4.6 W=2.6 H=1.6 (not including the terminals or connectors)
- Stainless screw power input and type F input/output connectors.
- External +13.8 VDC power connection
- Bypass relay when unit is un-powered, PA is bypassed.



Output and power (13.8VDC)



Input End (from phase controller)

To install the Hi-Z 75Ω Preamp, a small (~1 to 2 foot) jumper of RG6 coax and a single wire (with soldered on terminals) of the same length are required. Connect the output from the phase controller to the input of the 75Ω preamp. Connect one end of the wire (13.8 VDC) at the power (13.8VDC) terminal on the phase controller to the power terminal on the 75Ω preamp. The ground is carried over the shield of the RG6 coax jumper.

THANK YOU for selecting Hi-Z Antennas™.



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