



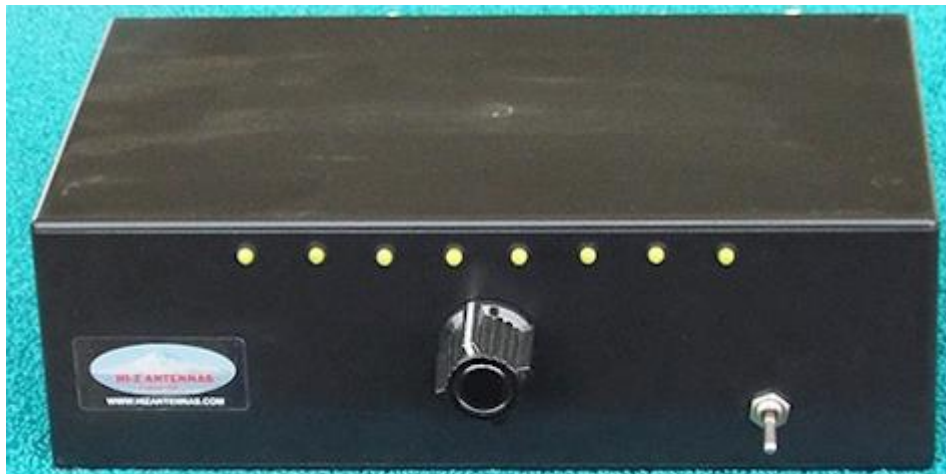
***HIGH PERFORMANCE***

**HF RECEIVING SYSTEMS & COMPONENTS**

**Hi-Z Antennas™**

**Part Number SW822**

**Hi-Z 8 Input to One Output 50 OHM Receiving Antenna  
Switch For Bench Top Operation**



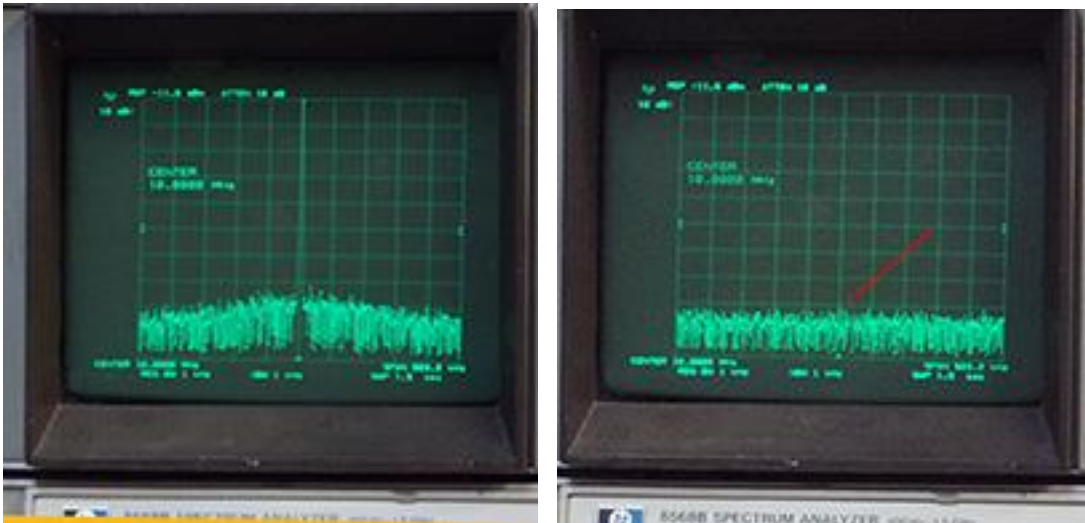
**Congratulations and Thank You for the purchase of our system components. We recommend that you read this manual and fully understand the requirements for the proper installation of your system.**

**No more listening to all your RX antennas at once with >70 dB on to off Isolation**

## Specifications

- 50 OHM impedance coaxial cable one of eight switch
- Switch One of eight receiving Antennas for output
- Power Requirements 13.8 VDC
- Supply current is 30 ma or less.
- Provides a ½ Watt 50 ohm termination for non-switched inputs
- Greater than 70 dB of on to off isolation from 50 KHz to 10 MHz
- SWR contribution less than 1.3: 1 from 50 KHz to 10 MHz
- Quality BNC 50 ohm connectors both input and output
- Physical size excluding connectors is 3 ¾ X 6 X2 inches

## Spectrum Analyzer Shots of ON and OFF



Left picture is Switch on for full scale Right picture is switch off  
Vertical scale is 10dB per division, Signal left is ~80 dB down Typical

- Perfect for Beverage antennas needing non-selected antennas terminated
- Also available in 75 Ohm versions P/N SW821
- Power input protected with 18Volt MOV
- Supplied with matching 2.1mm power plug for your convenience
- High Quality relays for a long life



Simple front panel controls include a power on and off switch plus selector rotary switch. Led lights indicate the selected direction. Personalized labels can be used for information. One of the LEDs will always be on as an indicator when the power is switched on.



Rear panel connections are pretty straight forward with input 1 being the front panel switches most counter clock wise position and the left most LED is on. Input number 8 is for the most clockwise position and last LED is on. The others follow suit in order.

The power supplied is through the standard 2.1mm power jack which is protected with an 18 Volt DC MOV device. Do not apply more than 15 Volts DC to this connector. All coax and power grounds are connected.



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