



HIGH PERFORMANCE

HF RECEIVING SYSTEMS & COMPONENTS

www.hizantennas.com

OUR GOAL - Innovating and Improving the Science of Receiving Systems.

Greetings from Hi-Z antennas™,

Subject: Hi-Z Antennas™ Status of Hi-Z Antennas™ – December 2017

Our commitment has been to innovate and push the receiving technology barriers. We have a number of new products in the pipe. What follows is our next new release. More innovation is coming.

New product announcement.

Joining the digital world through innovation

The perfect companion to get you directional receiving with remote desktop

Hi-Z Antennas™ SHACK SWITCH II PLUS



The front view size is 4 ½ X 1 5/8 inches Depth is 4 ½ inches including Knob and output connector. A white display is special order if blue is not visible to customer.

Model:

Hi-Z SHACK SWITCH II PLUS model # 800



Specifications:

- Works with **any** Hi-Z receiving ARRAY through convenient push button selection
- Features a very intuitive Menu system
- Features USB control by most standard format rotor control logging programs
- Can be used without computer control
- Features a clear 1.3 inch diagonal video type display with blue readout
- Features an adjustable screen Brightness
- Features 360 degree forward or reverse continuous direction knob
- 8 Optically isolated outputs available (Each uses an FET switch to isolated ground)
- Unused outputs can be switched on and off locally (not by USB)
- Computer inputs are operated off USB power while isolated switch side requires 13.8 VDC
- Features a scan mode that steps through all directions locally (not by USB)
- Features a FLIP mode for 180 degree Front to back type observations (not by USB)
- Azimuth can read out in degrees or direction like N, S, E, and NE etc.
- Elements with a compass installation offset from normal N to S can be offset
- Features a display screen saver with adjustable on time extending the life of the display
- Features 2 relay test modes with serial walking outputs or all selectable outputs
- Features a USB voltmeter mode to test the USB cable
- Features a rear panel set of screw terminals for control lines and power.
- Features a Micro USB B connection for internal power and digital control by computer
- This is the widely used charging cable used with smart phones and simple cell phones
- Features output switches protected against over voltage or reverse voltage with MOVs+
- Readout displays Requested angle and Actual angle available from array
- Readout displays status for all 8 relays 0=off 1=on
- Readout displays which Hi-Z Array is selected
- Display information is configurable for more or less items
- Configuration remains stored while power is off



The Shack Switch II Plus can also be powered by most USB chargers

For non-computer manual control



Our convenient screw terminals on rear accept bare wire or small pins

Also on the rear is the Micro B USB connector

Here are some computer screen pictures of an Array Controlled through USB

On a computer using the popular PstRotatorAz program

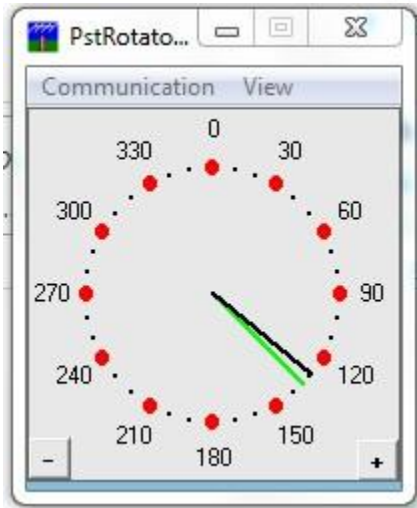


The black line is the requested angle and the green line is the actual angle available from the array being controlled

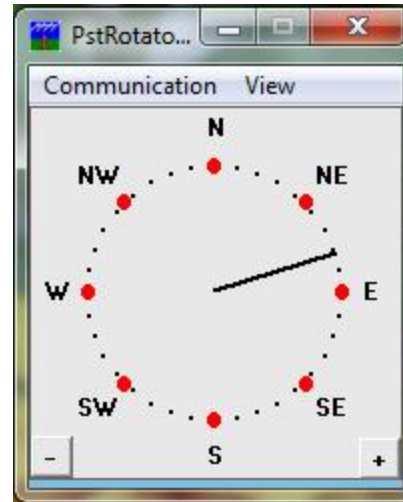
The following display is the PstRotatorAz in its compact mode

One simply clicks on a desired direction and the array is commanded to

The closest direction it has to the desired direction



Two modes



More information is available at www.hizantennas.com or e-mail contact@hizantennas.com

As always Hi-Z products are only available through DX Engineering
At www.dxengineering.com

Hi-Z Service Department

We do maintain a service area where we try to provide very rapid turn around of repairs. Typically we can return repaired equipment within a few business days. Our GOAL is to keep your array uptime maximized. All repairs are returned as designed and thoroughly tested to meet our advanced internal specifications contact@hizantennas.com

Hi-Z Receiving Array Discussion Reflector – Is Live

You can read the archives here at:

http://mail.hizantennas.com/pipermail/hi-zreceivingarraydiscussions_hizantennas.com/

The E-mail address to send a message to the reflector is:

hi-zreceivingarraydiscussions@hizantennas.com (you must join the group first)

The web page address to join the group is:

http://mail.hizantennas.com/mailman/listinfo/hi-zreceivingarraydiscussions_hizantennas.com

We continue to look for new product ideas and where best to get product ideas, our customers! Please let us know if you have any product needs or new product ideas. Thank you to those that have shared their ideas with us.

Any questions or inquiries please e-mail us at contact@hizantennas.com .

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