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## Eagle Point Solution to a Frequently Asked Question

### Commonly asked Support Questions for SMI Version 6.0

#### Summary:

This document provides solutions to some of the more commonly asked support questions regarding *SMI Version 6.0*.

**Product:** SMI Version 6.0

**Platform:**

**Related documents:**

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As always, should you have any questions regarding any phase of installation, contact Eagle Point Technical Assistance at (800) 477-0909.

#### Q. How do I transfer point ranges in Version 6?

From DC; Data Collector: SMI Kermit v6; enter the filename (e.g. job1.asc). To add to points on the PC, you must enter the .ASC extension in the job name.

#### Q. When in instrument mode, how do I take a single, manual shot?

Shift-Left SIDS or Shift-Left TRAV

#### Q. Rectangular to Polar & Polar to Rectangular Conversion

The routines to convert between rectangular and polar coordinates are named R->P and P->R (-> is the arrow key assigned to Shift RT 0). The angle expected and returned is in decimal format. The arguments and results are as follows:

Arguments	Program	Results
DeltaNorth DeltaEast	R->P	Distance Direction
Distance Direction	P->R	DeltaNorth DeltaEast

To convert between decimal degrees and HMS degrees use ->HMS and HMS->

Arguments	Program	Results
Decimal	->HMS	HMS
HMS	HMS->	Decimal

Most people who want to use R->P and P->R assign them to the keyboard for easy access. Follow these steps to assign these functions to the keyboard.

1. Press the CUSTOM overlay key. You will see the soft keys KASN, KDEL, CLEA.
2. Press the KASN key. It will prompt you with "ENTER ROUTINE NAME".
3. Type in: R->P ->HMS (-> is the Shift Rt Zero key)

4. Press ENTER. The 48 will display "PRESS KEY TO ASSIGN".
5. Press the R key ( or any other unassigned key or shifted key).
6. Press the CUSTOM overlay key. You will see the soft keys KASN, KDEL, CLEA.
7. Press the KASN key. It will prompt you with "ENTER ROUTINE NAME".
8. Type in: HMS-> P->R ( -> is the Shift Rt Zero key)
9. Press ENTER. The 48 will display "PRESS KEY TO ASSIGN".
10. Press the P key ( or any other unassigned key or shifted key).

If you make a mistake and want to get back to the original key assignments, turn on ALPHA and type in KK and press ENTER.

#### *Example of Using New Key Assignments*

Type in 0, press the space key (SPC), type in 5 and press the R key with USER on. The results on the stack are a 5 in level 2 and a 90 in level 1. Press the P key to convert back to the original 0 and 5.

### **Q. Using HyperTerminal to get a Coordinate Listing**

#### *Establish a HyperTerminal Session*

1. Click on Start, Programs, Accessories, Communications, HyperTerminal.
2. If prompted to install modem, answer No.
3. Enter a name for your connection. This can be any name.
4. Choose an icon, and click OK.
5. Choose the Communication port you are using for your HP 48.
6. Click OK.
7. Set the BAUD rate to 9600, leave the rest of the items the same.
8. Click OK.

You are now ready to receive a coordinate listing.

#### *On the HP with SMI v6 or later software:*

1. Make sure the transfer cable is plugged into the 48 and PC.
2. Press the PRINT key.
3. Make sure the first soft key says 'WIRE'. If not, press the first soft key to toggle from IR to WIRE.
4. Press the Print soft key.
5. The coordinates should scroll on the PC screen as it transfers.
6. On the PC, click File, and Print to get a listing of the coordinates.

#### *If HyperTerminal is not installed on your PC (Windows 95, 98, Me):*

1. Click on Start, Settings, Control Panel.
2. Double click on the Add/Remove Programs icon.
3. Click on the Windows Setup tab.

4. Click to highlight the Communications line.
5. Click the Details button.
6. Put a checkmark in the Hyper terminal box.
7. Click OK.

This will install HyperTerminal. You may be asked to insert your Windows CD-ROM disk.