

Remote Serial Option for Android

The Remote Serial Option for Android enables the RazorGage to wirelessly receive position commands from virtually any device that can transmit a string through a serial port. The kit includes a Bluetooth Adapter that plugs into a DB-9 RS-232 serial port and can be powered by either a wall mount power supply or a USB cable connected to an open USB port on a PC. Both the power supply and the USB cable are provided in the kit.



Bluetooth to RS-232
Adapter



USB Power Cable



Wall Mount Power
Supply

Once you have installed the Remote Serial Option hardware on your host device and have installed the Remote Serial RazorGage software on your Android tablet (available for purchase on the RazorGage Web Store at www.store.razorgage.com) you may begin sending positions to the RazorGage wirelessly. The serial port on the PC must be set to the standard 8 bit, No Parity, 1 Stop Bit configuration. The baud rate is selectable via the dip switches. (2400, 4800, 9600, 19.2k, 38.4k, 57.6k, 115.2k bps are supported) You will still use the Android operator interface to home the machine and to access all settings and special functions but in addition to that your RazorGage will be able to receive absolute position commands wirelessly from a remote host. The remote host will send an ASCII string consisting of a number followed by a line feed or carriage return. The number can have up to four places to the left of the decimal point and up to three places to the right of the decimal point. All characters other than the decimal point and the carriage return or line feed must be numbers between 0 and 9. The values sent to the RazorGage may be in either Imperial (inch) or metric (mm) units as dictated by the UNITS setting on the RazorGage receiving the values.



To communicate to the RazorGage with devices that typically are plugged into the serial port on a PC you may need a null modem gender changer. It is included with this kit as well. The photo at left shows the entire components included with the entire kit.

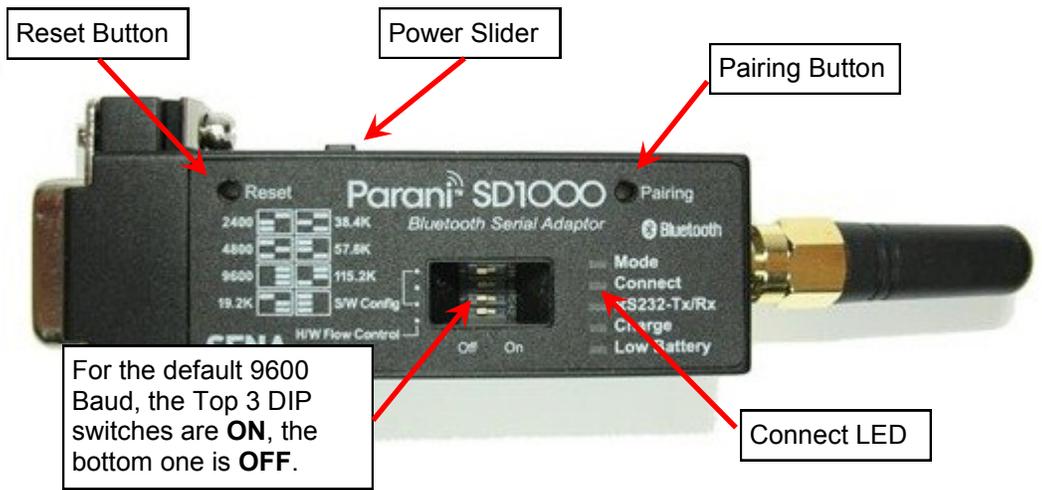
Part Number: RGX01139

Price: \$350

How to Configure the Android to work with the Remote Serial Option

Step 1) Using the Power Slide switch turn the Bluetooth adapter off, wait 3 seconds and then turn it back on.

Step 2) Reset the adapter by using a paper clip to press the Reset button



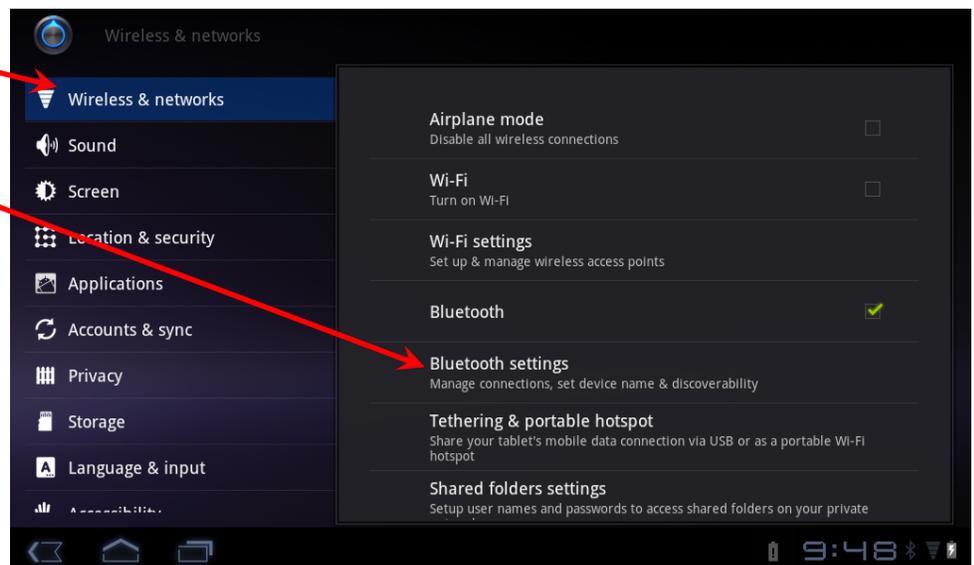
Step 3) Press & hold the Pairing button for 2 seconds until the Connect LED blinks 3 times every 3 seconds. Leave the power on. The Bluetooth adapter is now ready to be discovered by your tablet.

Step 4) Make sure the RazorGage software is closed then find and click the **Settings** icon on the Android Desktop.

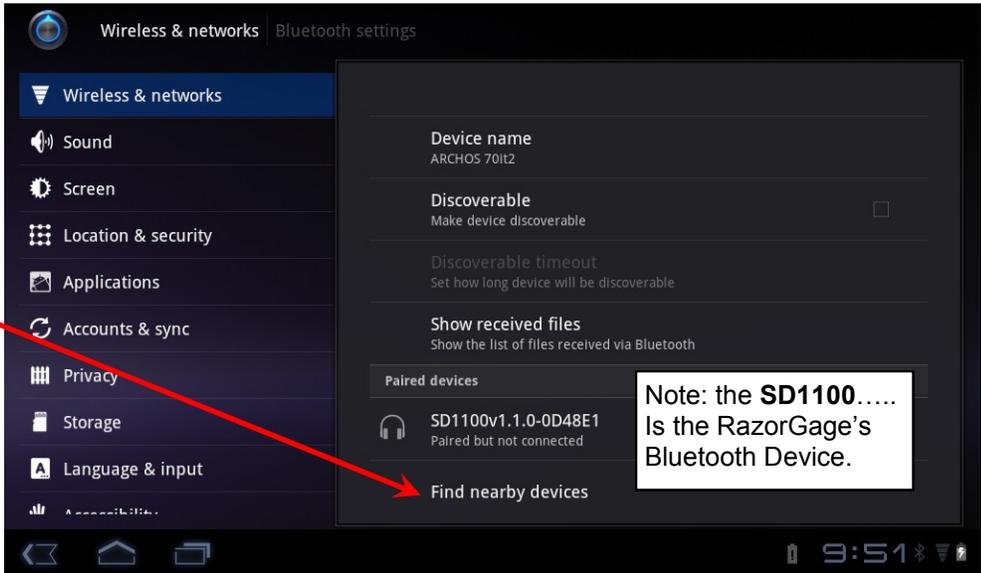


Step 5) Click Wireless & Networks

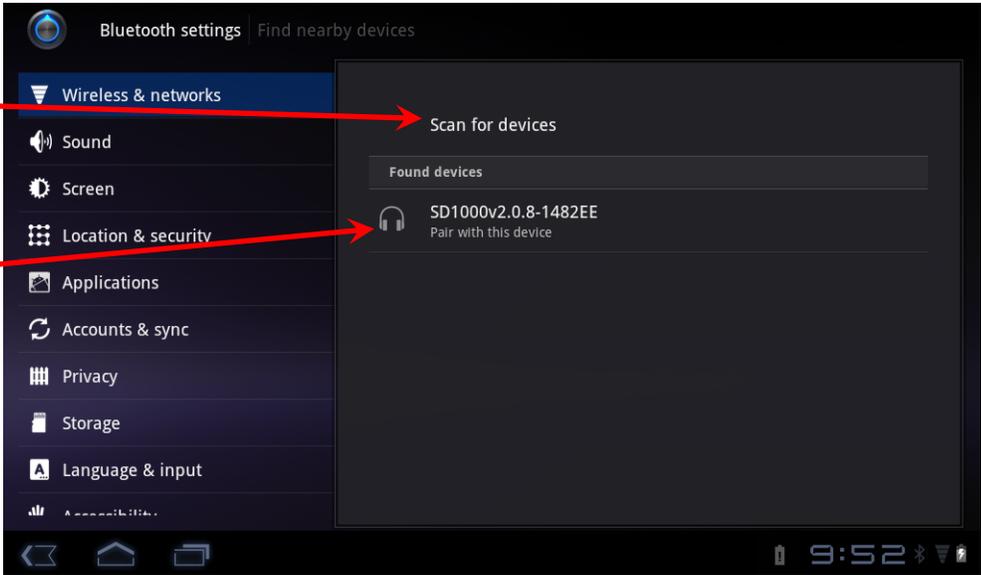
Step 6) Click Bluetooth Settings



Step 7) Click Find Nearby Devices

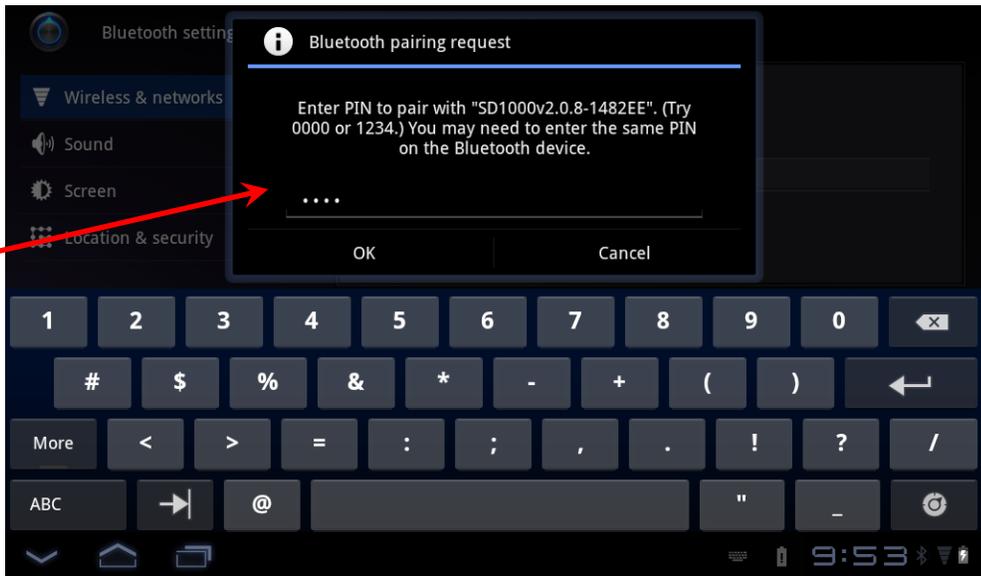


Step 8) Click Scan for Devices.

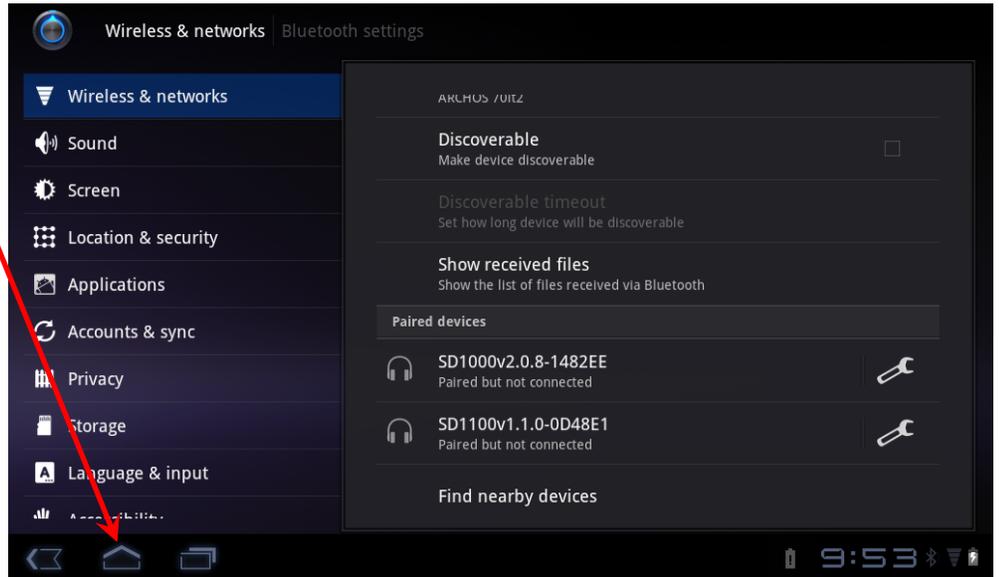


Step 9) When it finds "SD1000...." click on that device to pair it with the tablet.

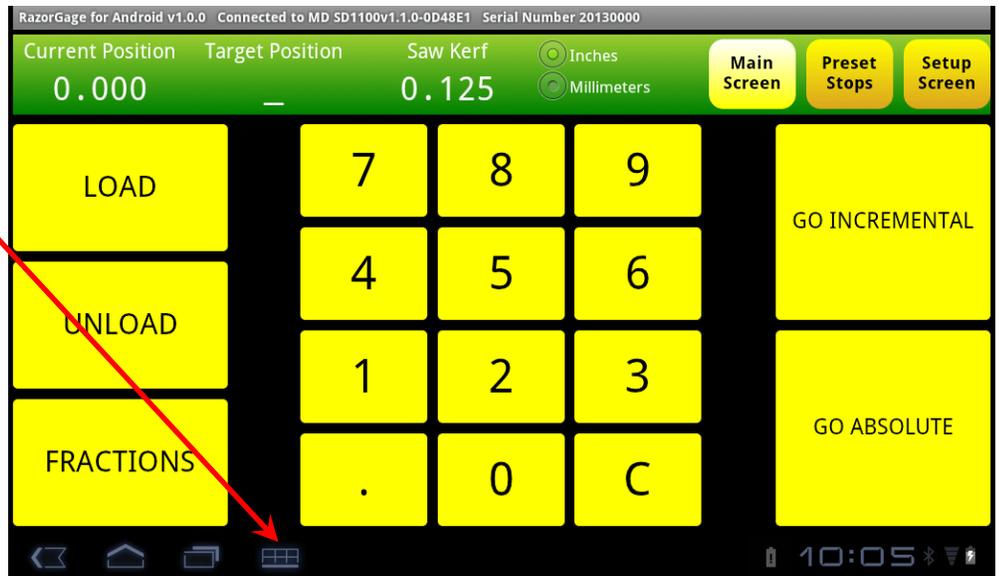
Step 10) Type in "1234" for the PIN number and click OK.



Step 11) Device should now be paired. Click the Home button to return to the Android Desktop



Step 12) Startup the RazorGage Program, and press OK to Home. When Homing is complete, select the Menu button.

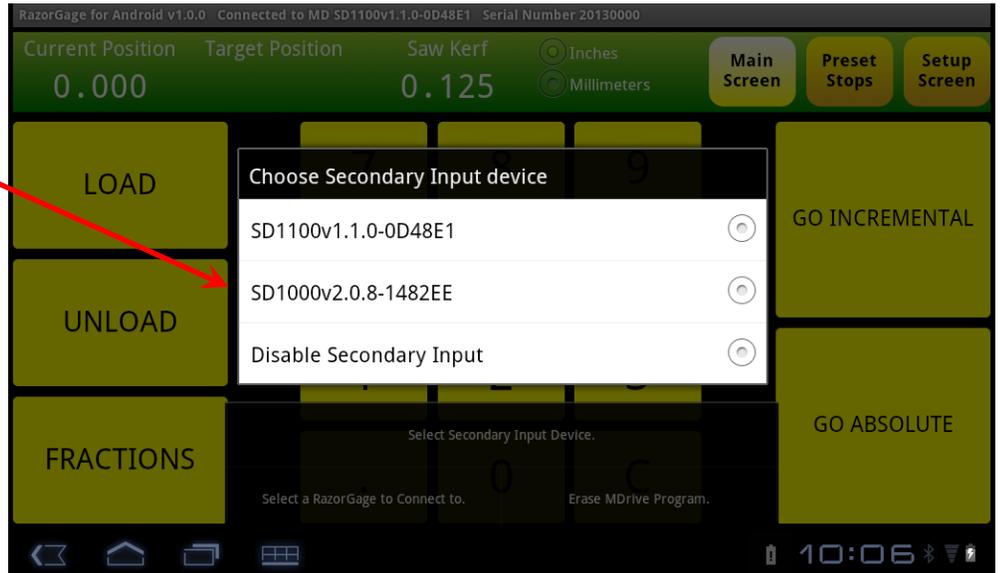


Step 13) Click on "Select Secondary Input Device"



Step 14) Be sure to select the **SD1000..** And not the SD1100...

Note: This list will show every Bluetooth device that is "Paired" with the tablet. Including key-boards, headphones, etc...



Step 15) Once the connection is made, a popup will shown.

