

### Abstract

*Remote Input Solutions* is an Android application designed to enable a user of an Android phone of API 2.2 or above, to control a Windows/Mac/Unix desktop remotely by using her phone as a mouse and keyboard. With the plethora of capabilities attributed to a smart phone today, there seems to be no reason why an Android smart phone should necessarily remain isolated from a user's other computing devices. This application was built with the motivation of providing a further functionality to an Android user, by now translating the ease of use and mobility of his phone to the ease of control of a remote desktop.

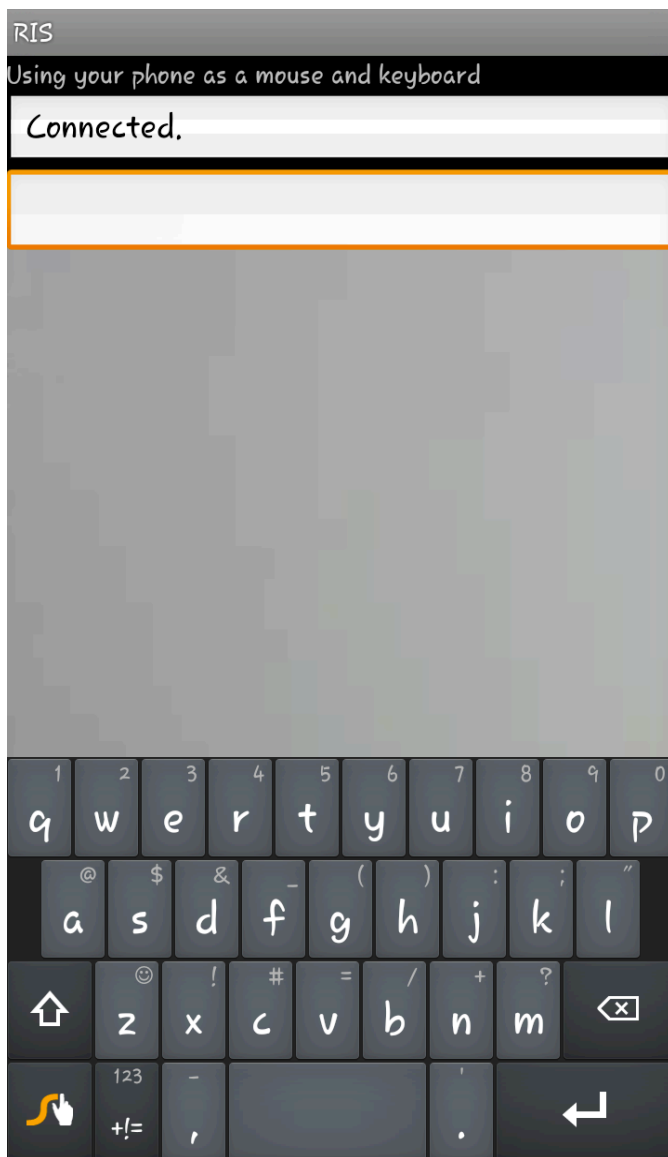


Figure 1

The screen showed in Figure 1 is the main screen of the application. As soon as the user selects an option to enable connection, he is taken to this screen where the IP address of the phone is displayed on the top initially. Then, the user runs the Client file on the computer he wishes to remotely control. He will be prompted for the IP address of the phone, at which, he will enter the string displayed on the top of the phone screen, and then the port number 8080, as specified in Figure 1.

Once the connection is successfully established, the IP address displays changes to say "Connected". The user can then use his phone as a mouse/keyboard. Any movement on the phone screen will move the cursor on the desktop. The application facilitates several mouse actions such as right click, double click, scroll and zoom by using various corresponding finger gestures on the phone. A keyboard button is also provided for the user to give any keyboard input to the remote desktop. Both the standard Android keyboard and the Swype keyboard are accepted.