3rd Party Development Toolkit
Version 2.00.00

Purpose:
Used for 3rd Party integration of Russound RNET Products

Software Included:
RNET Analyzer version 2.2.0.3
RNET Basic Tester version 1.1.318 Revision 1703

Included Reference Material:
Russound_Controllers_Protocol.pdf (V1_00_04)
Russound_VM1_RS232.pdf (V1_00_00)
RNET_Dual_Tuner_Protocol.pdf (V1_00_00)
RIO Protocol for 3rd Party Integrators.pdf (V1_00_00)
Russound_MediaManagement_Protocol.pdf (V1_00_00)
SMS3 Documentation (NOTE: There is a sub folder in this kit which contains documentation for SMS3 XML Protocol. This is strictly for reference since the included software tools do not incorporate XML Protocol at this time.)

Required:
- PC / Laptop running Windows XP or Vista
- RS-232 Serial Cable (NOTE: USB-Serial adaptor may be needed if PC or Laptop does not have DB-9 connection)

Optional:
- VSPE Software … or similar software
    - Virtual Serial Ports are needed if you plan on running both the RNET Analyzer and the RNET Basic Tester together at the same time.
    - VSPE-Virtual Serial Port Emulator can be downloaded for free from:
        - http://download.cnet.com/Free-Virtual-Serial-Ports-Emulator/3000-2206_4-10836189.html?tag=mncol
        - Or http://www.eterlogic.com/Products.VSPE.html)

Setup:
1. Place the *RNetAnalyzer.exe* file on your desktop
2. Run the *RNET Basic Tester.msi* file and follow the installation steps to install RNET Basic Tester on your PC / Laptop
3. Install Virtual Serial Port software so you can have both the RNET Analyzer and RNET Basic Tester running at the same time (Analyzer monitors activity while RNET Basic Tester communicates to the RNET Controller through the Analyzer)
4. Connect the RS-232 Serial Cable from your PC / Laptop to the rear panel Serial Port on the RNET Controller (NOTE: ACA-E5 uses top serial port A)

Configuration (NOTE: the following steps assume that you are connecting to the RNET Controller using COM #1 on the PC / Laptop):

1. Open VSPE (the following steps are for use with VSPE, if using another Virtual Serial Port software application you will need to configure two virtual ports)
    a. Since you are using COM1 as the main connection you will need to configure and enable two virtual ports (i.e. #2 and #3)
    b. Open VSPE and follow these steps
        i. Select the icon "Create new device…" or from the menu Device→Create
        ii. In the Device Type drop down list select "Pair" then Next
        iii. Configure two ports (COM2 and COM3) then Finish
2. Open RNET Analyzer
    a. Go to Preferences by selecting Edit→Preferences
    b. In the Preferences dialog select General→Connections
        i. Select the following settings for Connection 1 (Serial Port, COM 1, Enable)
        ii. Select the following settings for Connection 2 (Enable, COM 3)
    c. Select "Apply" and then OK
3. Open RNET Basic Tester
    a. Select COM 2 from the drop down list
    b. Select "Connect" (Auto Connect may be used)

Directions:

By using a Virtual Serial Port application you are now able to have both the RNET Analyzer and the RNET Basic Tester running simultaneously. This allows you to use the RNET Analyzer to view traffic and see the packet information while using RNET Basic Tester to send strings to control RNET products. The strings can easily be modified in the RNET Basic Tester to allow you to send strings to other Zones, Sources, etc… The help section in the RNET Basic Tester can help you with some of those features. RNET Basic Tester also has the ability to send a sequence of strings with the option of adding delay time between strings.