

# SRX-E Ethernet Controller for the SRX-1

## Quick Start Guide

The SRX-E is an Ethernet-Serial Server which allows you to connect the SRX-1 Radio Tuner to your Ethernet network. After following the steps below, you will be able to send and receive data between PC's on your Ethernet network and the SRX-1 using ADA's SRX PC program (available at [http://www.ada-usa.com/Sirius\\_SRX](http://www.ada-usa.com/Sirius_SRX)).

### Hardware Setup

1. Connect the SRX-E to a power source using the supplied DC adapter.
2. Connect SRX-E to your Ethernet network. Use a standard straight-through Ethernet cable when you connect it to a hub/switch. You also can connect it to your PC's Ethernet port via a cross-over Ethernet cable for easy set up. However, in that case you need to make sure your PC is in the same network subnet as the SRX-E.
3. Plug the 3.5mm stereo plug on the serial connector wire into the back of the SRX-1 Radio Tuner's "RS232 – IN" jack.
4. Connect the SRX-1 Radio Tuner to the SRX-E's serial port (9 pin) using the 9 pin "D" end of the serial connector wire.

### Configuring the IP address

Run the monitor.exe program located on the install CD to configure the IP address or telnet from your PC to the SRX-E. The default IP address is 10.0.50.100. Refer to the **GW21x Ethernet Serial Server user manual** and the **GW21x Ethernet Serial Server Quick Install Guide** located on the installation CD for further information.

### Configuration Using a Web Browser

1. Make sure your PC is located on the same network subnet as SRX-E
2. Open a web browser, then type in the IP address of SRX-E to be configured. Default user name is admin and default password is null (leave it blank).
3. Click on the "COM1" link on the left side of the web page .

### Ethernet-Serial Server Configuration values

#### "Link1" values

Set SRX-E as a *TCP Server*

Make sure that "Enable VirtualCOM for SerialIP" is **not** Enabled

Make sure that "Pair Connection" is **not** Enabled

Local Listening port is set to *4660*

IP Filter is **not** Enabled

Source IP is set to *0.0.0.0*

Idle Time Before Sending TCP Alive Packet is set to *4 \*10 sec*

TCP Inactivity Time Before Disconnect is *0 sec* (disabled)

#### "COM1" values

Alias Name is left blank

Baud Rate is set to *57600*:

Parity is set to *None*

Data Bits is set to *8*

Stop bits is set to *1*

Flow control is set to *None*

"Empty Serial Buffer when TCP Connection is Established" should be set to yes.

Data Packet Delimiter is set to Inter-character Time Gap of 5msecs.

4. Click "Save Configuration" to save settings.