Ethernet Communication Setup for an RGA Ethernet adapter

This method connects directly with a cross-over Ethernet cable.

1. Install RGA software as shown in the chapter 2 of REA manual
(https://www.thinksrs.com/downloads/pdfs/manuals/REAm.pdf)

2. Connect the computer and an RGA Ethernet adapter (REA) with a cross-over Ethernet cable. (Some computers can detect and configure the Rx line and Tx line of the cable automatically. With these computers, you can use a straight-through Ethernet cable, too.)

3. Run REA Setup Utility as described in the chapter 3 of REA manual.

4. After pressing THE Search button, find the unit serial number displayed in the list. If you find it, congratulations, the cable is properly connected and working. If not, check the following –

> Is the cable securely plugged into the RJ45 connectors on both the computer and REA?
> Is Ethernet enabled in the computer?
> Is the cable damaged?
> Disable the computer firewall and antivirus program to see if it makes difference.

5. Power cycle REA by unplugging and plugging back the USB power cable, while pressing the black button next to the serial number label. It puts the REA in the configuration mode.

6. Making sure the Status of the REA is changed to 'Ready for Setup' in the list of REA Setup Utility, select the correct row in the list and press Setup button.

7. To setup IP address properly, use the same value for Subnet Mask and Gateway with values in the local computer info from the REA Setup Utility.

8. Use an IP address where the last octet is different from that of the local computer. If local computer IP address is 192.168.1.123, use 192.168.1.xxx, the xxx can be any number between 1 and 255 other than 123.

9. Once configured properly, press Test button in the REA Setup utility. it will check if it can communicate with the RGA connected. The default user name and password is 'admin' and 'admin'.

Note: The new RGA does not have setup button. Instead, if the ECU is powered up while it is not plugged in a RGA head, the ECU enters the configuration mode.
The REA Setup utility is a part of the new RGA software.