

## **LRA-900-E Quick Start**

v1.0, Sep. 2018

### What's in the box?

In addition to this guide, the package includes the following items:

| LRA-900-E x 1 | ANT-109-01 x 1 | Screw Driver x 1 |
|---------------|----------------|------------------|

### **Related Information**

#### • Product Page:

http://www.icpdas.com/root/product/solutions/industrial\_wireless\_communicati on/wireless\_solutions/Ira-900-e.html

#### • Document:

http://ftp.icpdas.com/pub/cd/usbcd/napdos/rf\_modem/document/Ira-900-e

#### • Firmware:

http://ftp.icpdas.com/pub/cd/usbcd/napdos/rf\_modem/firmware/Ira-900-e

# **1** Connecting the Power and Host PC

1. Make sure your PC has workable network settings.

Disable or well configure your Windows firewall and Anti-Virus firewall first, else the "**Search Servers**" on **Chapter 4** may not work. (Please contact with your system Administrator)

- 2. Connect both the LRA-900-E and your PC to the same sub network or the same Ethernet switch.
- 3. Check that the Init/Run switch is in the "Run" position and set the "Device ID" switch to necessary position.



4. Supply power (+10~+30 VDC) to the LRA-900-E.



# **2** Installing Software on Your PC

Install VxComm Utility, which can be obtained from the web site:



http://ftp.icpdas.com/pub/cd/8000cd/napdos/driver/vxcomm\_driver/windows/

## **3** Configuring Network Settings

- 1. Double-click the VxComm Utility shortcut on the desktop.
- 2. Click the "Search Servers" to search your LRA-900-E.
- 3. Double-click the name of LRA-900-E to open the "**Configure Server (UDP)**" dialog box.



#### Factory Default Settings of LRA-900-E:

| IP Address  | 192.168.255.1 |  |  |
|-------------|---------------|--|--|
| Subnet Mask | 255.255.0.0   |  |  |
| Gateway     | 192.168.0.1   |  |  |

 Contact your Network Administrator to obtain a correct network configuration (such as IP/Mask/Gateway). Enter the network settings and click "OK".
Note:The LRA-900-E will use the new settings 2 seconds later.

| Configure Server (I   | JDP)           |                  |             |        |                   | X         |  |
|---|----------------|------------------|-------------|--------|-------------------|-----------|--|
| Server Name :   | LRA-900-E      | 4                |             |        |                   |           |  |
| DHCP:   | 0: OFF         | ✓ Sub-net Mask : | 255.255.0.0 | Alias: | LoRa Converte     | (7 Chars) |  |
| IP Address :  | 192.168.255.10 | Gateway :        | 192.168.0.1 | MAC:   | 00:0d:e0:ff:ff:ff |           |  |
| Warning!!<br>Contact your Network Administrator to get correct configuration before any change. |                |                  |             |        |                   |           |  |



- 1. Wait 2 seconds and click "**Search Servers**" button again to ensure the LRA-900-E is working well with new configuration.
- 2. Click the name of LRA-900-E to select it.

| 🥩 VxComm Utility [v2.13.1   | 4, Jun.26, 2018] |                  |           |        |              |              |                |
|---|------------------|------------------|-----------|--------|--------------|--------------|----------------|
| <u>File S</u> erver <u>P</u> ort <u>T</u> ools                            |                  |                  |           |        |              |              |                |
|   |                  | Configure Server |           |        | Configur     | e Port       |                |
| VxCodinyer & utility<br>Where remote service and the come part of your PC | Servers          |                  |           | Port   | Virtual C    | D <b>M</b> E | audrate        |
| Add Server(s)   |                  |                  |           |        |              |              |                |
| Remove Server   |                  |                  |           | <      |              |              | >              |
| Web   | Name             | Aliac            | IP Addree | 00     | Sub-net Mack | Gateway      | MA             |
| Search Servers  | LRA-900-E        | LoRa Converter   | 192.168.  | 255.10 | 255.255.0.0  | 192.168.0    | ).1 00:        |
| Configuration (   | iDS-720          | 2 Click          | your L    | RA-90  | 0-E in the   | list         | 44.<br>254 AO: |
|   | <                |                  |           |        |              |              | >              |
| Status  |                  |                  |           |        |              |              | 1.             |

- 3. Click the "Add Server[s]" button.
- 4. Assign a COM Port number and click "**OK**" to save your settings.

| <b>₩ ¥xComm Utility [v2.13.1</b>  | 4, Jun.26, 2018]   |            |
|---|--|------------|
| <u>File S</u> erver <u>P</u> ort <u>T</u> ools  |  |            |
|   | Configure Server Configure Port  |            |
| Vx offwore & utility<br>between the second seco | Adding Servers       IP Range     Server Options   | te         |
| Add Server(s)   | Server Information<br>Server Name : LRA-900-E Get name automatically   |            |
| Web   | IP Range Start :     192.168.255.10     ✓ Skip duplicated IP       IP Range End :     192.168.255.10                   | MA         |
| Configuration (UDP)   | Includes the following special IP :<br>0 (Net) V 254 (Gateway) V 255 (Broadcast)                                       | 44:<br>A0: |
| Exit  | COM Port : COM2  |            |
| Status  | Fixed baudrat COM2 COM3 COM4 COM4 COM5 |            |
|   | COM6<br>COM7<br>COM8<br>COM8   |            |

5. Click on LRA-900-E name and check the virtual COM Port mappings on the PC.

| 💞 VxComm Utility [v2.13.1  | 4, Jun.26, 2018]     |                       |                     |                            |                                |                            |            |  |
|--|----------------------|-----------------------|---------------------|----------------------------|--------------------------------|----------------------------|------------|--|
| <u>File S</u> erver <u>P</u> ort <u>T</u> ools                         |                      |                       |                     |                            |                                |                            |            |  |
|  | Configure Server     |                       |                     | 5 Check the COM Port       |                                |                            |            |  |
| VxComfiver & utility<br>Where remote service<br>become part of your PC | Servers<br>LRA-900   | E (192.168.255.10)    |                     | Port<br>Port I/O<br>Port 1 | Virtual CO<br>Reserved<br>COM2 | DM Baudi<br>d N/A<br>Fixed | rate       |  |
| Add Server(s)  |                      | 4/3                   | $\square$           |                            |                                |                            |            |  |
| X Remove Server  |                      |                       |                     | <                          |                                |                            |            |  |
| 🔶 Web  | Name                 | Alias                 | IP Addre            | SS                         | Sub-net Mask                   | Gateway                    | MA         |  |
| Search Servers   | LRA-900-E<br>GRP-5xx | LoRa Converter<br>N/A | 192.168<br>172.16.2 | .255.10<br>27.200          | 255.255.0.0<br>255.240.0.0     | 192.168.0.1                | 00:<br>44: |  |
| Configuration (UDP)  | iDS-720              | WISE-5231M-4GE        | 172.17.7            | 7.77                       | 255.240.0.0                    | 172.18.0.254               | A0:        |  |
| Exit   | 6.0.16               |                       |                     |                            |                                |                            |            |  |
| Status: OK   |                      |                       |                     |                            |                                |                            | 2          |  |

- Click the "Restart Driver" item in the "Tools" menu to display the "VxComm Utility: Restarting Driver" dialog box.
- 7. Click the "Restart Driver" button.



Note that if you intend to use Internet Explorer, ensure that the cache function is disabled in order to prevent broswer access errors, please disable your Internet Explorer cache as follow: (If you are not using IE browser, please skip this step.)

Step 1: Click "Tools" >> "Internet Options..." in the menu items.

<u>Step 2:</u> Click "General" tab and click the "Settings..." button in Temporary Internet file frame.

<u>Step 3:</u> Click "Every visit to the page" and click the "OK" in Settings box and Internet Options box.