

1.4 Remote Computer and Receiver Set-up

Materials:

Computer and charger 50m extension cord Receiver (white box strapped to tripod) USB cable Four-way box with black power cord

Procedure:

- 1. Access observation location or area where the receiver will be set up
- 2. Plug in an extension cord
- 3. Plug in four-way box to extension cord via the black chord (Fig. 1)
- 4. The receiver should be mounted on a tripod or other structure so it can be level with and oriented towards the radar transmitter
- 5. Plug white CPE cord from the receiver to the CPE plug-in on four way box (Fig. 2)
- 6. Connect four way box to computer via the USB cable (Fig. 1)
- 7. If available, plug in ground cable on four-way box (green chord) to ground plug-in (Fig.1)





Figure 1. Four way box with its associated cords

Figure 2. Receiver with a full signal (indicated by the green lights outlined in red)

- 8. Check that receiver is on with a good signal (green lights on back of receiver are to the right) (Fig. 2)
- 9. Plug computer in to socket or extension cord if it has a power bar
- 10. Turn on the computer



11. If you are using a Dell computer and this is the first time you are setting up the computer:

- a. Click the Start Menu, go to Settings then Network Connections
 - i. Right click the icon that your Local Area Connection (LAN 1, 2, or 3 depending on the computer) and ensure that it is enabled
 - ii. Scroll down to Properties and select the General Tab General Tab Menu (Fig.3)
 - iii. In "this connection uses the following items," double click on "Internet Protocol (TCP/IP)" (Fig.3) and an additional window will pop open (Fig.4)
 - iv. Click the checkbox by "use the following IP address" and enter the correct IP address below (Fig.4)
 - v. Below the entered IP address, if the computer has not already manually entered the numbers "255 255 255 0," manually input them and hit **OK** (Fig.4)

General Advanced Connect using: Cisco Systems VPN Adapter Configure This connection uses the following items: Configure This connection uses the following items: Configure C	Local Area Connection 3 Properties	Internet Protocol (TCP/IP) Properties
Connect using: You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask uour network supports this capability. Otherwise, you need to ask uour network supports this capability. Otherwise, you need to ask uour network supports this capability. Otherwise, you need to ask uour network supports this capability. Otherwise, you need to ask uour network supports this capability. Otherwise, you need to ask uour network supports this capability. Otherwise, you need to ask uour network supports the appropriate IP settings. This connection uses the following items: O Dotain an IP address automatically if your network supports the appropriate IP settings. Install Uninstell Properties Install Uninstell Properties O Btain DNS server at the following DN 2. Type in: "255 255 255 0" O Btain DNS server at the following DN "Use the following DN	General Advanced	General
across diverse interconnected networks. Show icon in notification area when connected Notify me when this connection has limited or no connectivity Advanced	Connect using: Cisco Systems VPN Adapter This connection uses the following items: Configure This connection uses the following items: Configure This connection uses the following items: Configure Configure Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks. Show icon in notification area when connected Notify me when this connection has limited or no connectivity	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings. O Dotain an IP address automatically if your network administrator for 1. Insert IP Address O Dotain an IP address automatically if your network administrator for 1. Insert IP Address O Dotain an IP address O Dotain an IP address O Dotain an IP address O Dotain an IP address O O O O O Subnet mask: O O O O O Default gateway: C Obtain DNS server a C Obtain DNS server a C Obtain DNS server a Alternate DNS server: Advanced
OK Cancel OK Cancel	OK Cancel	

Figure 3. General Tab Menu of "Local Area Connection 3"



- b. In the **Advanced Tab of Local area** of **Connection/Properties**, ensure Firewall Settings button is turned off and wireless connections are disabled (Fig.5)
- c. Click OK
- d. From the **General Tab** of the **LAC/P Window Firewall** menu find "Internet Connection Sharing" and ensure both "Allow other Network users to connect



through this computer" and "Allow other Network users to control or disabled the shared Internet connection" are enabled (Fig. 5)

上 Local Area Connection 3 Properties 🔗 🕺	😹 Windows Firewall 🛛 🔀
General Advanced	General Exceptions Advanced
Windows Firewall	Your PC is not protected: turn on Windows Firewall
Protect my com or preventing at 1.Click here rom Settings	Windows Firewall helps protect your computer by preventing unauthorized users from gaining access to your computer through the Internet or a network.
Internet Connection Sharing Illow other network users to connect through this Striputer's Internet connection 3. Click both of these boxes on	On (recommended) This setting blocks all outside sources from connecting to this computer, with the exception of those selected on the Exceptions tab. Don't allow exceptions
Allow other network users to control or disable the shared Internet connection Learn more about Internet Connection Sharing. Sharing.	Select this when you connect to public networks in less secure locations, such as airports. You will not be notified when Windows Firewall blocks programs. Selections on the Exceptions tab will be ignored. Off (not recommended) Avoid using this setting. Turning off Windows computer more vulnerable to viruses and intru
	Windows Firewall is using your non-domain settings. What else should I know about Windows Firewall?
OK Cancel	OK Cancel

Figure 5. Advanced Tab of "Local Area Connection 3" Properties

Figure 6. Firewall Settings

WARNING: The computer is now completely open for hackers, be SURE to reverse these settings before connecting to a live network again (**be sure your wireless connection is disabled**)