Procedure to Access The LifeWindow Screen Using VNC

Introduction

VNC stands for Virtual Network Computing. It is, in essence, a remote display system which allows you to view a computing 'desktop' environment not only on the machine where it is running, but from anywhere on the Internet and from a wide variety of machine architectures. VNC was developed by the Department of Engineering of the Cambridge University sponsored by AT&T. This is free software and can be freely distributed.

Items required for this procedure:

- LifeWindow 6000 connected to a network. Please refer to **"Procedure to place the LifeWindow 6000 in a Network".** Procedure #100.
- PC Keyboard (Note: earlier versions of the LifeWindow 6000 had a DIN connector for the PC keyboard (S/N below V954349), this requires an adapter to convert the keyboard connector PS/2, most commonly used in later PCs, to the old style DIN connector). This adapter is available in computer stores like Compusa and Radio Shack)
- VNC V3.36 or higher Installation Files

Procedure:

1. Connect the LifeWindow 6000 to another computer or to a computer network using the Ethernet connection in the rear panel. Please refer to **"Procedure to place the LifeWindow 6000 in a Network".** Procedure #100.
2. Connect the PC keyboard to the LifeWindow keyboard connector in the rear of the unit.
3. Stop the LifeWindow program by:
    - 2.1. Using the Ergopointer (Built In Mouse), place the mouse cursor on the icon "TRACES" and leave it there. The mouse cursor must be on top of traces for the following steps.
    - 2.2. In the LifeWindow dedicate keys, on the right side of the front panel, press simultaneously the key labeled **"FREEZE"** and **"NIBP START".** Make sure that both keys are pressed simultaneously, and keep holding them.
    - 2.3. Now press the Ergopointer **"ENTER"** key**, (BLUE BUTTON ON TOP OF THE LifeWindow**).
    - 2.3. The screen will freeze for a moment and the program will stop running. You will see a green screen only.
3. Now on the PC keyboard press **"CTRL+ALT+DEL".**
4. A Windows NT Security window will appear. Click in **"Task Manager"**, then click **"New Task"**, confirm that **"C:\WinNT\Explorer.exe"** is selected in the **"Open"** and then click **"OK"**.
5. Now with **Windows File Explorer** open in the background, click in the **"X"** to close the Windows NT Task Manager.
6. Looking to the left side column of the **Windows Explorer**, click in **Network Neighborhood,** then on the right side of Explorer double click the computer in the Network that contains a CDROM drive. Place the CD with the installation files of VNC 3.36 (Virtual Networking Computing) in this computer's CDROM drive.
7. Now double click the CDROM drive; find the folder **VNC 3.36**. Double click this folder and then double click the file **"vnc-3.3.6-x86_win32".**

8. Click **"Yes"** to confirm installation of **VNC** in your LifeWindow. Then click **Next**, Click **Yes** in the License Agreement (this software is free to be distributed). Let it install in the Program Files folder, click **Next**, leave in **Full Installation** and click **Next**, Click **Next** again, now on the **Select Additional Tasks** screen, check **Register VNC Server as a System Service** and **Start VNC Server System Service**. Now click **Next**. Now in the next screen click **Install**.
9. VNC will install and a warning will appear to inform about a password. Click **OK**. In the **Default System Properties Screen** enter the password for accessing your LifeWindow. Make a note to remember this password because you will need it to access your LifeWindow from other computers.
10. Still in the **Default Local System Properties** window, check the **Poll Full Screen** and **Poll On Event Received Only**. Keep the other default checks. You should have **Poll Full Screen**, **Poll Foreground Window**, **Poll console Window Only** and **Poll On Event Received Only** in the Update Handling section of this Setup. Keep all others at the default. Click **OK**, and then **Finish**.
11. Now close the Windows Explorer.
12. Now on the PC keyboard press **"CTRL+ALT+DEL".**
13. A Windows NT Security window will appear. Click in **"Shut Down"**. The system will start the shut down process. When the '**It's now safe to turn off your computer"** message appears, click **Restart**.
14. The LifeWindow will restart and the main program will be running.
15. Now on the PC keyboard press **"CTRL+ALT+DEL".**
16. A Windows NT Security window will appear. Click in **"Task Manager"**, then click **"New Task"**, confirm that **"C:\WinNT\Explorer.exe"** is selected in the **"Open"** and then click **"OK"**.
17. Now with Windows Explorer open in the background, click in the **"X"** to close the Windows NT Task Manager.
18. On the Left side of Explorer click in the **"winnt"** folder, and then in the '**system32"** folder. Now find the program **CMD** and double click it.
19. The Windows DOS command prompt will start, but it will be hidden in the bottom right side of your screen. You will see only a small peace of this screen. Using the mouse, click the corner of the command screen and drag it to the middle of your screen.
20. Now type in the command screen **"ipconfig"** and then **enter**.
21. Make note of the IP address of your LifeWindow. If your IP address is static, you will only have to do this once and the address will always be the same. If the address is dynamic, then you will have to do this every time your LifeWindow logs on to your network. Now you can close your command using the **"x"**.
22. Now we will have to install VNC in the network computers that we plan to use to view and control the LifeWindow. Open Windows File Explorer in this computer and go to the computer that contains the CD ROM with the VNC installation program.
23. Now double click the CDROM drive, find the folder **VNC 3.36**. Double click this folder and then double click the file **"vnc-3.3.6-x86_win32".**
24. Click **Yes** to confirm installation of VNC in your computer. Then click **Next**, click **Yes** in the Licence agreement (This software is free to be distributed). Let it install in the Program Files folder, click Next, remove **VNC Server** and leave only **VNC Viewer** checked in this screen, and click **Next**, now on the **Select Additional Tasks** screen, check **Create a VNC Viewer Desktop Icon** and click **Next** and then click **Install**. After installation click **Next** and then click **Finish**.
25. Now double click the **VCN Viewer Icon** in your desktop. You can also go to **Start**, **Programs**, **Real VNC** and then click **VNC Viewer**.
26. The **VNC Connection Details Screen** will appear. Enter the IP address that you got from your LifeWindow in the task **# 21.** The IP address should have a format like this example **"121.12.96.168".** Then click **OK.** The next screen will ask for the **Session Password.** Enter the password that you selected for your LifeWindow in the task **#9.**

27. Now the LifeWindow Screen will appear and you will have total control of your LifeWindow from this computer. You can also install the VNC viewer in other computers to access the LifeWindow.
28. We only recommend to use the **VNC** feature when remote viewing is necessary. If the remote viewing will not be used for a certain procedure, it should be turned off from the remote computer. Just close the screen in the remote computer using the **"x"**.