3.0 COMMUNICATIONS SETUP

Communications setup assigns the serial ports for the different types of communications that Command Center uses.

1. Right click the globe icon found on the system tray. You may have to click on the left pointing arrow to expose the globe on the toolbar (Figure 3.0.1).

Figure 3.0.1

2. Click on **Settings** (Figure 3.0.2).

Figure 3.0.2

Note: This will take you to the "**Communications Setup**" screen, "**Ports**" tab (Figure 3.0.3).

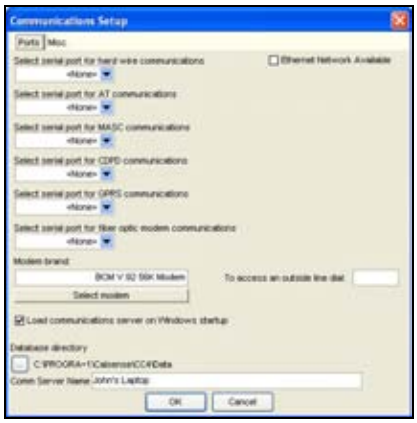

Figure 3.0.3

Note: Next you will have to select which type of communications you are using.

- **Select Serial Port For Hard Wire Communications:** Direct hard wire from the computer system to the controller.

Note: Direct hard wire with a laptop computer requires a Calsense direct wire cable only. Direct hard wire with a desktop computer communicating to a chain of –M controllers requires a Calsense PC line amplifier.

Click the **down** arrow. Select COM port. If not in use select **none**.

- **Select Serial Port For (AT) Communications:** Digital Radios using AT commands.

Click the **down** arrow. Select COM Port. If not in use select **none**.

- **Select Serial Port For (MASC) Communications:** Digital Radios using MASC commands.

Click the **down** arrow. Select COM Port. If not in use select **none**.

- **Select Serial Port For (CDPD) Communications:** Cellular Digital Packet Data.

Click the **down** arrow. Select COM Port. If not in use select **none**.

- **Select Serial Port For (GPRS) Communications:** General Packet Radio Service.

Click the **down** arrow. Select COM Port. If not in use select **none**.

- **Select Serial Port For Fiber Optic Modem Communications:** Fiber Optic Communications.

Click the **down** arrow. Select COM Port. If not in use select **none**.

Modem brand

Note: Modem Brand is used for Telephone communications.

5. Click **Select Modem**.
6. Click the **down arrow** on the device selection box and select the correct modem.
7. Click **OK**.

- **To Access An Outside Line Dial:** Enter the outside line number if required.
- **Ethernet Network Available:** Used if there is a connection to a Network for Ethernet communication to controllers.
- **Load Communications Server On Windows Startup:** In the event the computer is shut down, upon restart, the communications scheduler will reload. If not, there will be no scheduled tasks performed. Check the box to enable.
- **Database Directory:** Shows the location of the database files (Figure 3.0.4).

C:\PROGRAM~1\Calsense\CC4\Data

Figure 3.0.4

- **COMM Server Name:** The name entered is to identify this communications server from other communications servers across a network. When **not part** of a network the name entered should be the same throughout each terminal (The same COMM Server Name as the one on the terminal that has the communications port).

Example:

User interface Description

User Name

Alert Line; Unit Communicated: John Smith @ John Smith's Office.

8. Click on the **Misc** tab at the top of this screen.

Note: This will take you to the "**Communications Setup**" Miscellaneous screen (Figure 3.0.5).

CAUTION:

This section will require no action unless instructed to do so by Calsense. ALL settings are default settings.

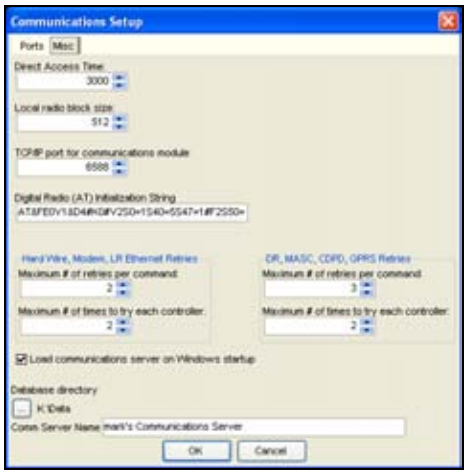

Figure 3.0.5

- **Direct Access Time:** Length of time used in direct access for timeouts. Typically not adjusted. Do not adjust unless instructed to do so by Calsense.
- **Local Radio Block Size:** Sets the data block size. The default block size is 512. Typically not adjusted. Do not adjust unless instructed to do so by Calsense.
- **TCP/IP Port For Communications Module:** Typically not adjusted. Do not adjust unless instructed to do so by Calsense.
- **Digital Radio (AT) Initialization String:** Typically not adjusted. Do not adjust unless instructed to do so by Calsense.

Hardwire, Modem, LR, Ethernet, DR, MASC, CDPD, GPRS Retries

- **Maximum # Of Retries Per Command:** This sets the number of retries per command the central will send the controller. The maximum number of retries can be set to 10. Calsense recommends setting the number of retries per command to 2.

Click the **UP** arrow to increase the number or the **DOWN** arrow to decrease the number.

- **Maximum # Of Times To Try Each controller:** If communications fail this is the amount of times the central will attempt to retry communications with the controller. Calsense recommends setting the number of retries per controller to 2.

Click the **UP** arrow to increase the number or the **DOWN** arrow to decrease the number.

9. When done in this section click on the **OK** button. This will save any changes made in this area.

Note: If you do not want to save any changes that you have made in this area just click on the **Cancel** button.

3.1 VIEW COMMUNICATIONS

1. Right click the globe icon found on the system tray. You may have to click on the left pointing arrow to expose the globe on the toolbar (Figure 3.1.1).

Figure 3.1.1

2. Click on **View** (Figure 3.1.2).

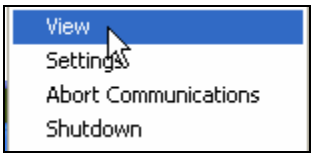

Figure 3.1.2

Note: This will take you to the "**Scheduled for Today**" screen (Figure 3.1.3).

Figure 3.1.3

3. This screen will come up showing the "**Schedule**" tab. Any communications tasks that are scheduled to take place from the minute that you logged in to Command Center until midnight the same day will appear in the window.

Note: Any tasks that have already taken place on the same day will not show in the window.

4. If you click on the "**+**" signs next to the times the task name will appear directly under the time stamp. Clicking on the "**-**" key next to the Task name will shrink the task back to a time only (Figure 3.1.4).

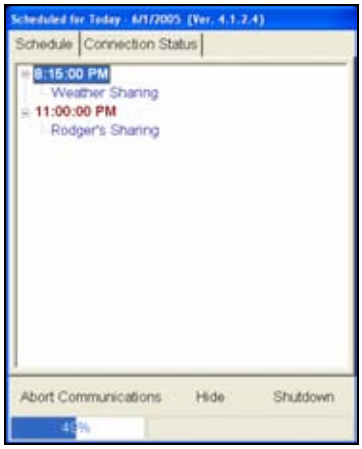

Figure 3.1.4

5. While on this screen you can select from the following choices:

- **Abort Communications:** This will terminate any communications currently taking place.
- **Hide:** This choice will shrink the "**Scheduled for Today**" window back down to the Globe icon.
- **Shutdown:** This will bring up the "**Confirm**" window (Figure 3.1.5).

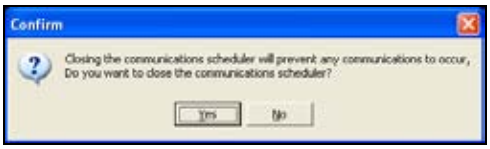

Figure 3.1.5

6. Click on the **Yes** button if you want to Shutdown the Communications server. If you do not want to Shutdown the communications server click on the **No** button.

7. Click on the **Connections Status** tab at the top of the "**Scheduled for Today**" screen.

Note: This will bring you to the "**Connection Status**" window (Figure 3.1.6).

Figure 3.1.6

Note: This screen displays you the current information for communications that are currently in progress.

While on this screen you can select from the following choices**:**

- **Abort Communications:** This will terminate any communications currently taking place.
- **Hide:** This choice will shrink the "Scheduled for Today" window back down to the Globe icon.
- **Shutdown:** This will bring up the "**Confirm**" window asking you if you are sure that you want to shutdown the comm. Server (Figure 3.1.7).

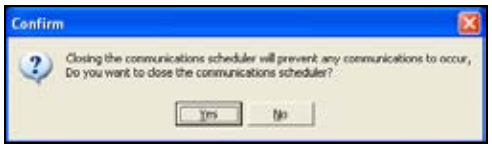

Figure 3.1.7

8. Click on the **Yes** button if you want to Shutdown the Communications server. If you do not want to Shutdown the communications server click on the **No** button.

3.2 ABORT COMMUNICATIONS

1. Right click the  globe icon found on the system tray. You may have to click on the left pointing arrow to expose the globe on the toolbar (Figure 3.2.1).

Figure 3.2.1

2. Select **Abort Communications** and click on it (Figure 3.2.2).

Figure 3.2.2

3. When you click on this option all communications currently taking place from this computer will be terminated.

Note: Any future scheduled tasks will not take place until the communications have been turned back on.

3.3 SHUTDOWN COMMUNICATIONS

1. Right click the  globe icon found on the system tray. You may have to click on the left pointing arrow to expose the globe on the toolbar (Figure 3.3.1).

Figure 3.3.1

2. Select **Shutdown** and click on it (Figure 3.3.2).

Figure 3.3.2

Note: When you click on this option the "**Confirm**" window will appear asking the following: (Figure 3.3.3).

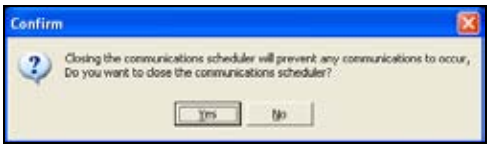

Figure 3.3.3

3. Click on the **Yes** button if you want to Shutdown the Communications server. If you do not want to Shutdown the communications server click on the **No** button.

NOTES