Usually, the DSN is set by a Network Management Tool when the ProtoCessor is commissioned. However, the ProtoCessor is able to use a "hardcoded" DSN (Domain, Subnet and Node ID) in the configuration file which will be loaded at start-up.

NOTE: If a hardcoded DSN is used, it will be loaded each and every time that the bridge is power cycled. This will overwrite any DSN that has been set using a software commissioning tool or any other means.

To set the hardcoded DSN, follow the steps below.

1) Create a directory on your computer called "ProtoCessor" (i.e. C:\ProtoCessor). Copy the RUINET utility (*ruinet.exe*) from the software disk included with the BACnet bridge into this directory. RUINET can also be downloaded from the ProtoCessor web site at www.protocessor.com.

2) Connect the computer to the ProtoCessor using an Ethernet. For further instructions on connecting a computer to the ProtoCessor, see the document: "C*onnecting a computer to the ProtoCessor*".

3) Open the directory created in Step 1, run the RUINET utility, and go to the "Main Menu" (see Figure 1).

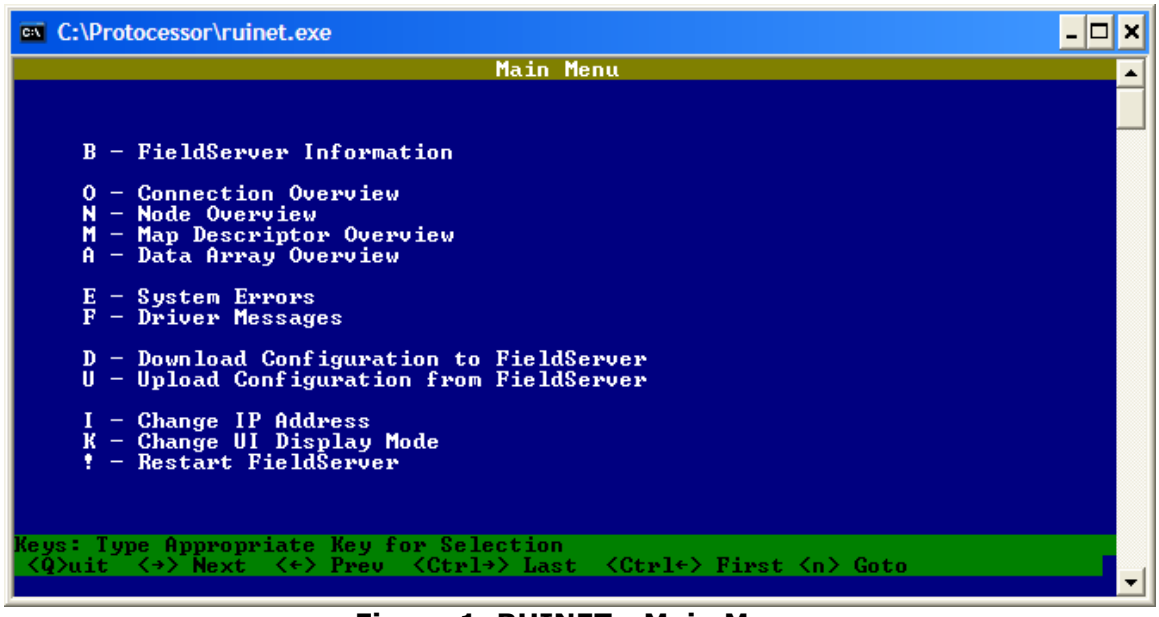

Figure 1. RUINET - Main Menu

4) Press the 'U' key to choose (U)pload Configuration (see Figure 2) and again to (U)pload. This will upload ProtoCessor configuration file (*config.csv*) from the ProtoCessor into the directory you created in Step 1. When the upload is complete (see Figure 3), press 'N' to choose (N)otepad. This will open the configuration file in Notepad for editing. (Other editors can be used, but the file is already formatted for use in Notepad).

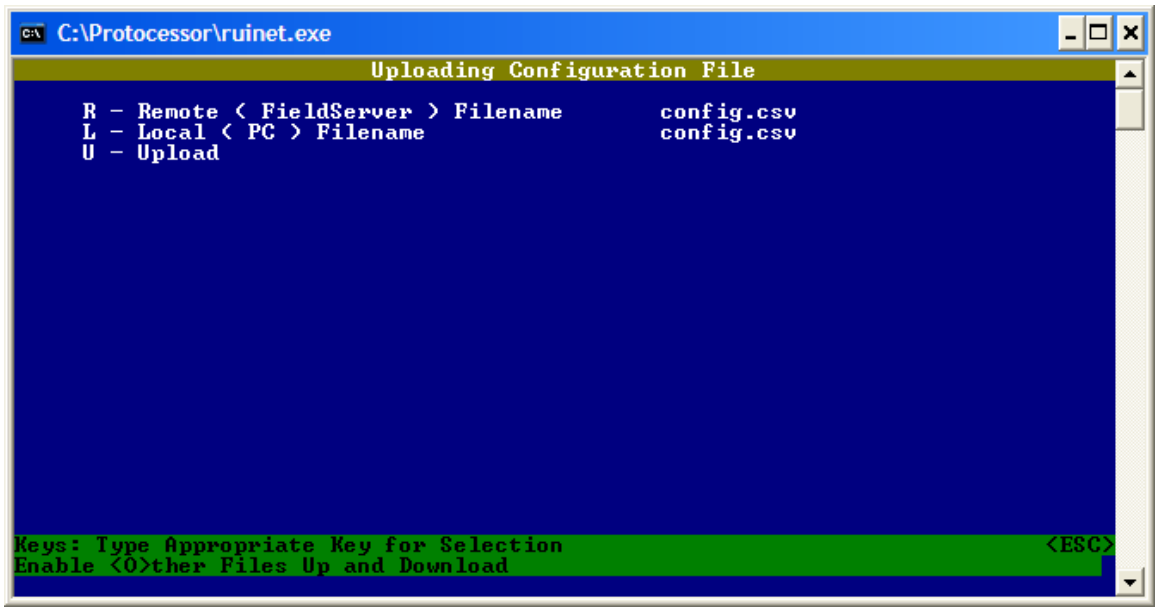

Figure 2. RUINET - Upload Screen

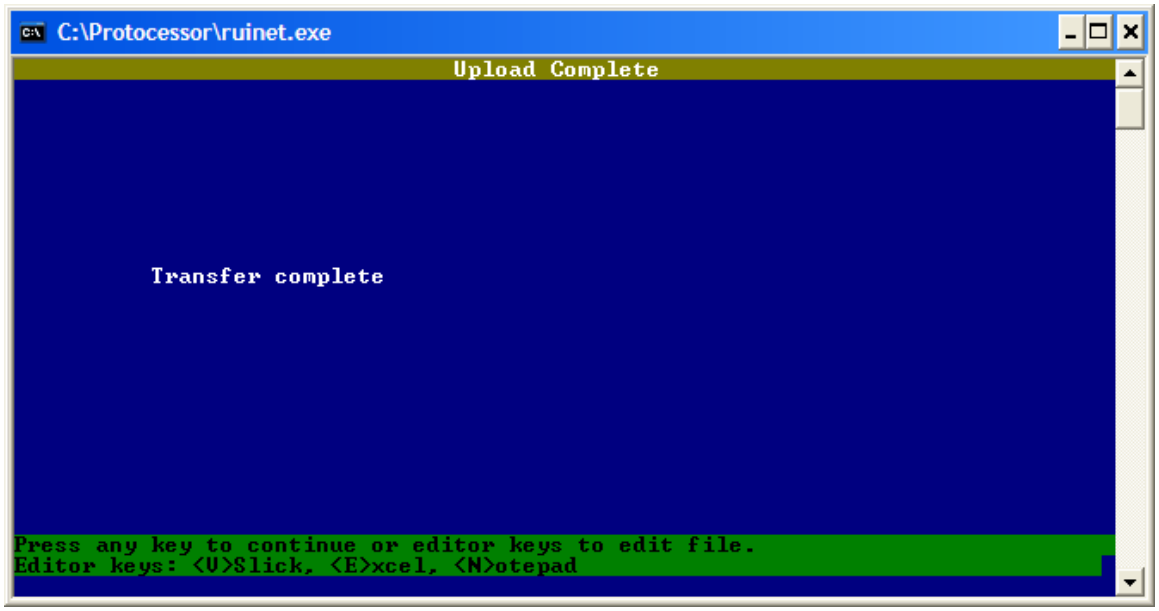

Figure 3. RUINET - Upload Complete Screen

5) In Notepad, find the section near the top of the configuration file titled "Common Information" (see Figure 4). To set the Domain and Subnet, change the title to ":D[domain]:S[subnet]:[Title]". The [domain] and [subnet] must be entered in hexadecimal.

   For example, to change the domain to 64 (40 hex), subnet to 1 (01 hex), and Node to 32 in the example shown in Figure 4, change the "Title" to: :D40:S01:HeatNet Bridge v2.00 and "System_Node_Id" to 32 as shown in Figure 5. Save the changes and exit Notepad. Be careful not to change anything else in the configuration file or the bridge may no longer function properly.

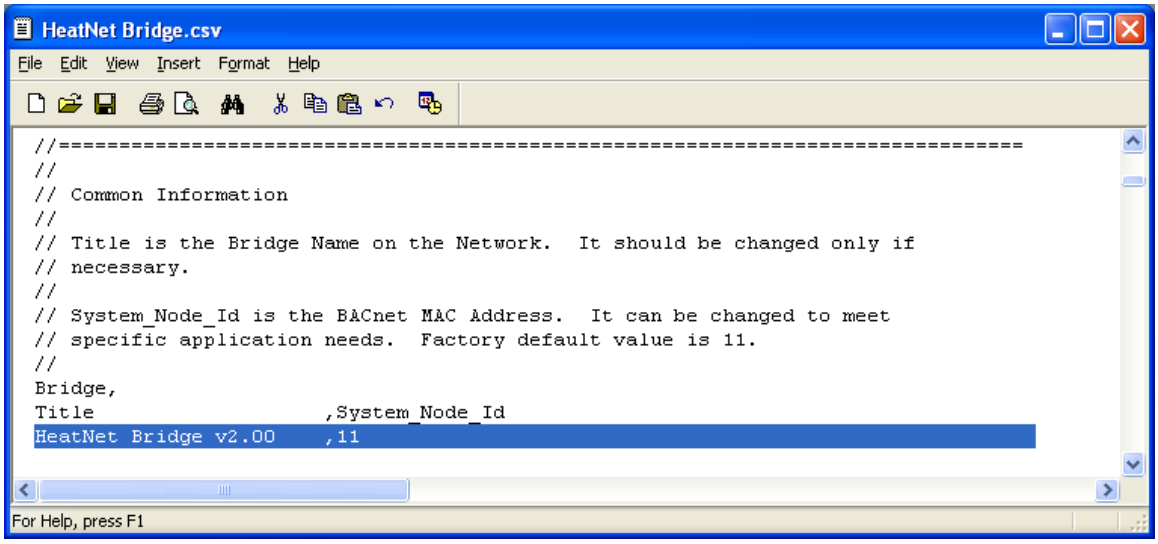

Figure 4. Editing the configuration file.

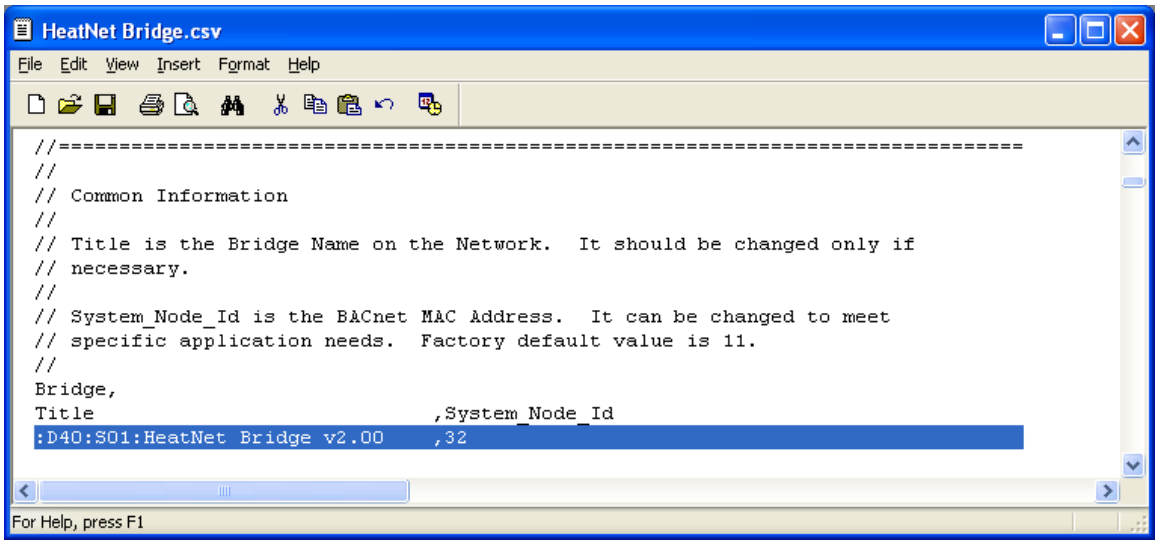

Figure 5. Editing the configuration file

6) Back in RUINET, press 'Escape' to return to the "Main Menu". Press 'D' to choose (D)ownload Configuration and again to (D)ownload (see Figure 6). When the download is complete, press 'escape' twice to return to the "Main Menu".

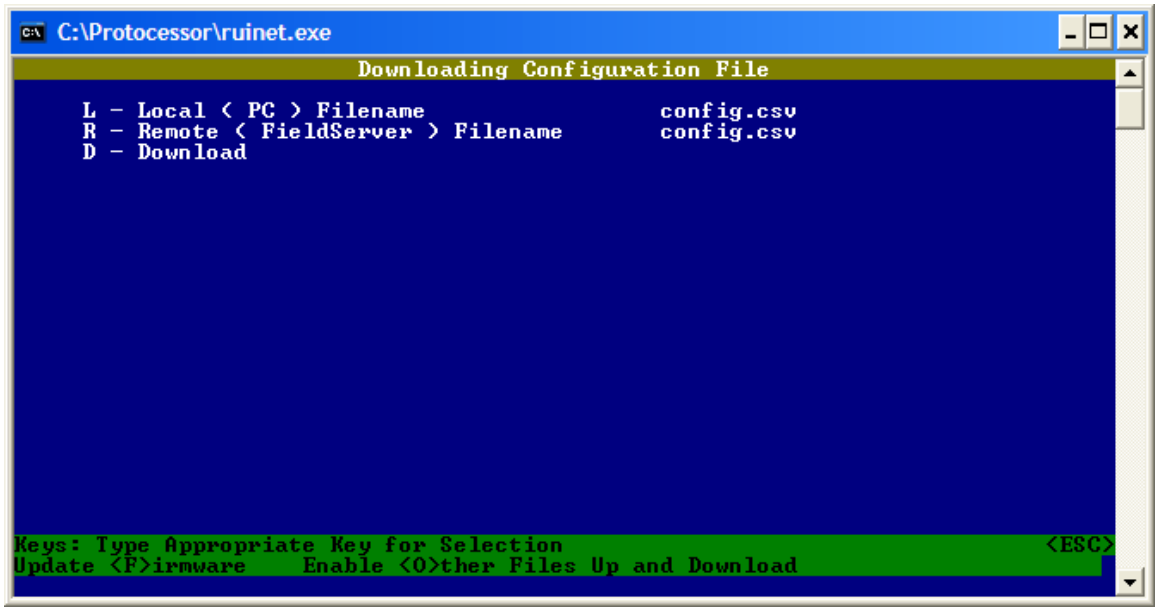

Figure 6. RUINET Download Screen

7) In RUINET, Press '!' to restart the ProtoCessor and press 'space' to return to the "Main Menu". In about 1 minute, the ProtoCessor will be re-detected. Press '1' to select it and press 'E' to open the "System Errors Menu". You will see startup messages similar to those shown in Figure 7. One of the messages will indicate the DSN that was loaded on startup (the numbers are all in hex).

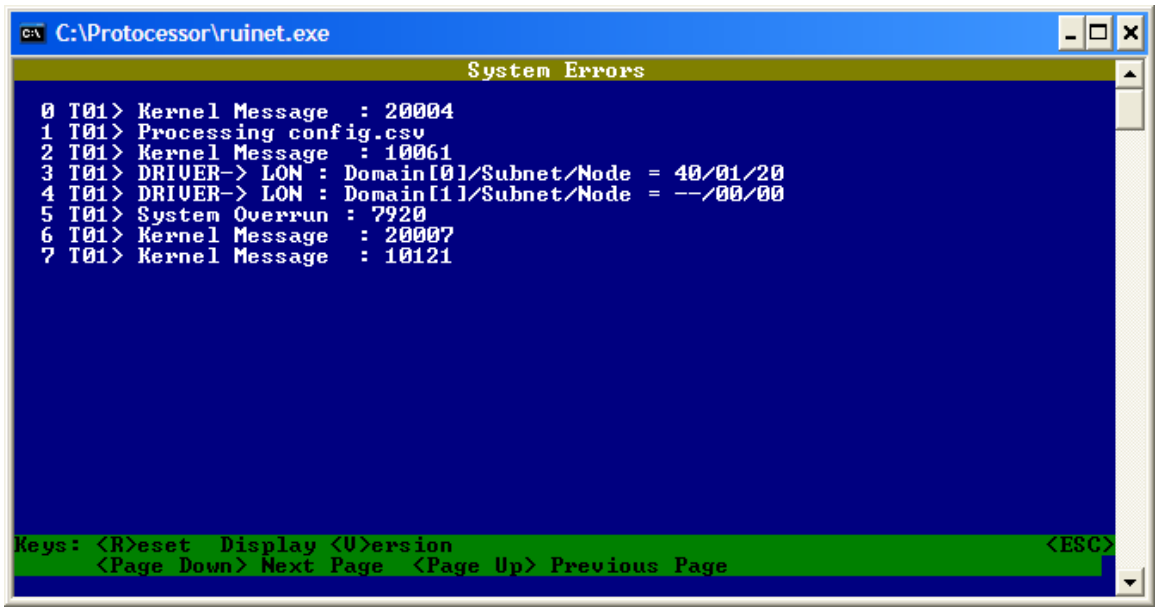

Figure 7. RUINET System Errors Menu