
TELEX[®]

RADIO DISPATCH PRODUCTS

Telex Network Recorder Monitor

Version 1.000

Technical Manual

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Introduction and Setup

The Network Recorder monitor software is used to monitor the state of the recorder from a remote location. The monitor software captures notifications from the recorder software in two ways; via a heartbeat signal and instant error/warning messages. If an error or warning should occur, the notification will be instantly sent out by the recorder. The recorder will continue to send the warning/error notification on each heartbeat until the problem has been resolved. E-mail can be enabled to notify recipients of any problems.

CAUTION: Only use this monitor software with Network Recorder Version 4.010 or later. Also, do not run the monitor software on the Network Recorder PC.

Installation

The “Tools” folder located on the Network Recorder installation CD contains the following three installation packages:

- Network Recorder Monitor Setup.msi -> application installer
- Dotnetfx.exe -> .NET 2.0 installer
- WindowsInstaller_3.1 -> Windows installer 3.1

The Monitor software requires the PC to be running .NET 2.0 or higher. Click on “Network Recorder Monitor Setup.msi” to install the Monitor software. If the installation fails, you may need to install .NET 2.0 either from the Microsoft web site or click on Dotnetfx.exe in the tools folder.

Setup:

Recorder

In the recorder software go to the menu bar and select Setup -> Monitor Setup. First check the box labeled “Enable Remote Monitoring”. Then set a heartbeat rate and enter in a TCP port number or use the default values. Click Ok and close the recorder software to save the settings, and then reopen the recorder software.

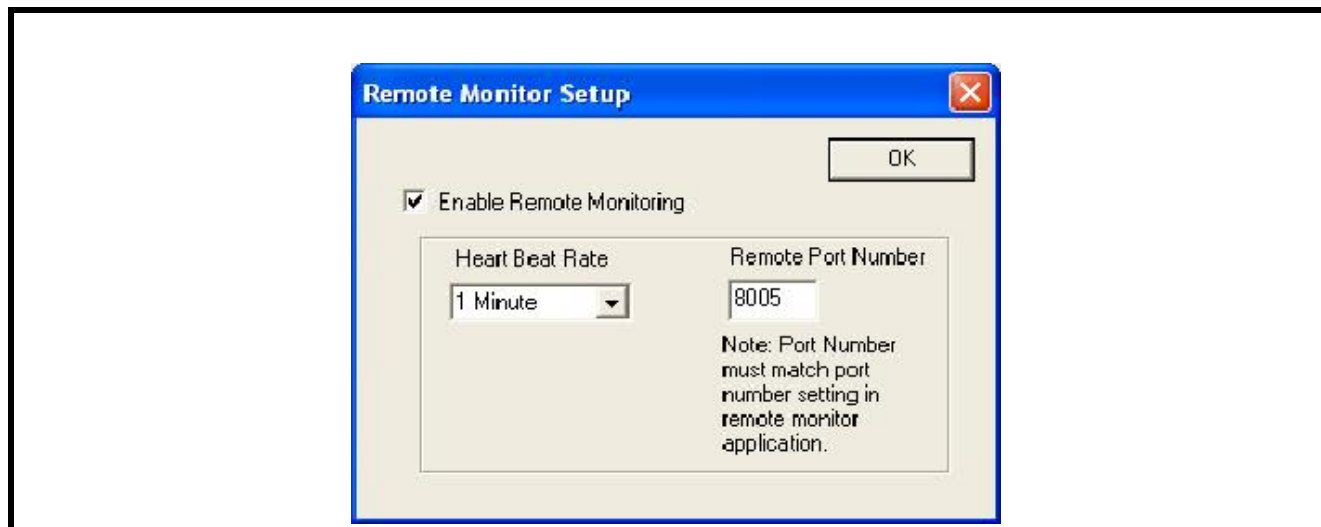


FIGURE 1. Remote Monitor Setup

Monitor

In the monitor software, enter the **static** IP address of the network recorder computer in the field labeled “IP Address”.

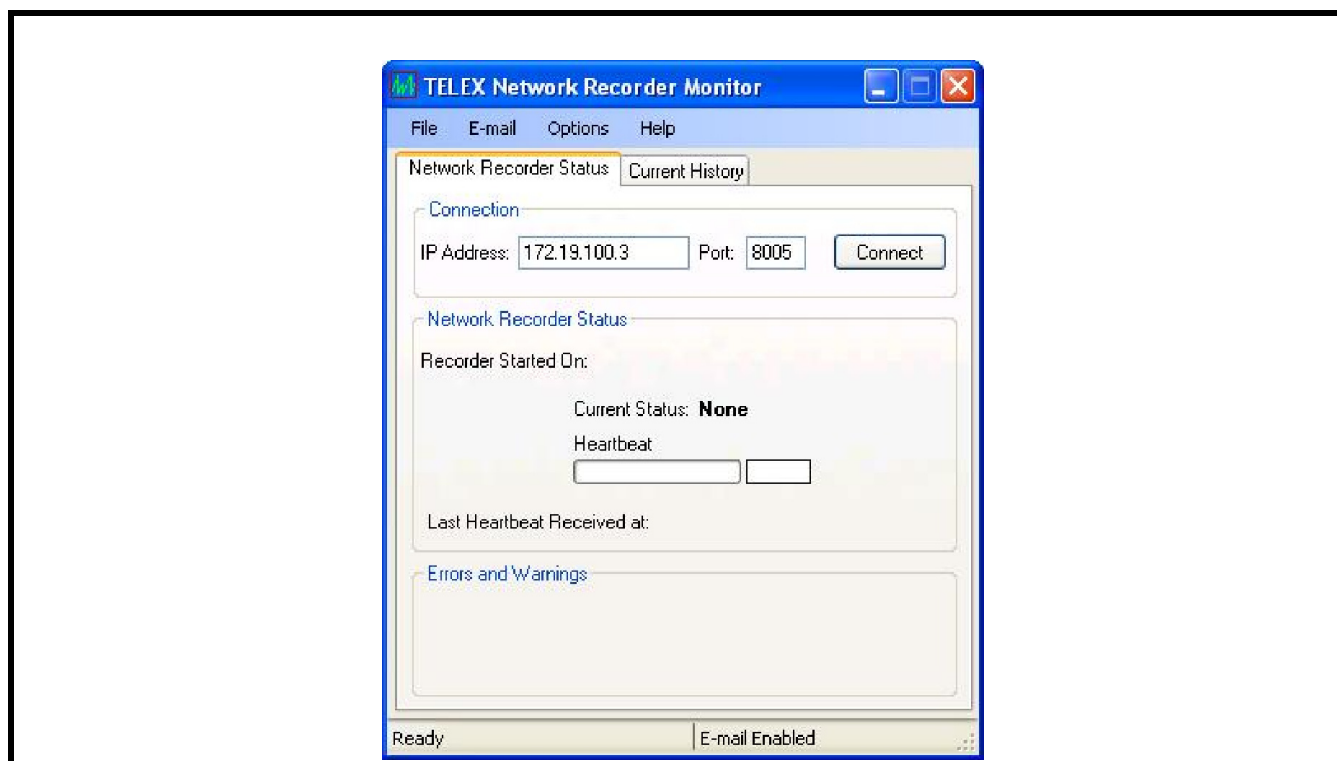


FIGURE 2. Telex Network Recorder Monitor

In the field labeled “Port”, enter the port number that was assigned in the recorder software (port numbers must match).

Operation

Make a connection to the recorder by clicking on the “Connect” button. If the connection is made, the name of the connect button will change to “Disconnect” and the status bar will show “Connection Established”. A couple of seconds later, a heartbeat will be sent showing the current status of the recorder in the box labeled “Network Recorder Status”, see Figure 3. Also the main window status bar will show the current state of the recorder, see Figure 4.

Under normal operating conditions, the status indicator will be green and a message “No Errors or Warnings” will be displayed in the box labeled “Errors and Warnings”. If a warning or error should occur, the status indicator will change to the appropriate color and a symbol will be shown in the box labeled “Errors and Warnings”. Also, a message will be posted indicating the current issue with the recorder, see Figure 3. Messages are accumulated in the “Current History” list box, see Figure 5.

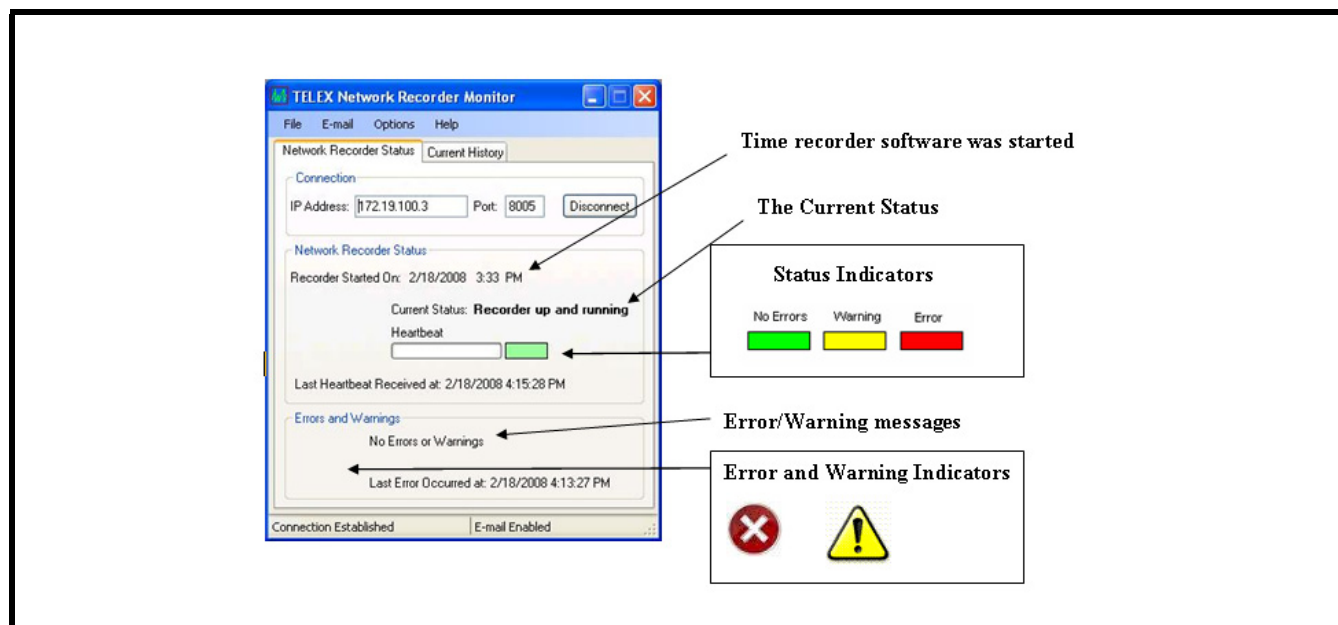


FIGURE 3. Network Recorder Monitor Screen Description

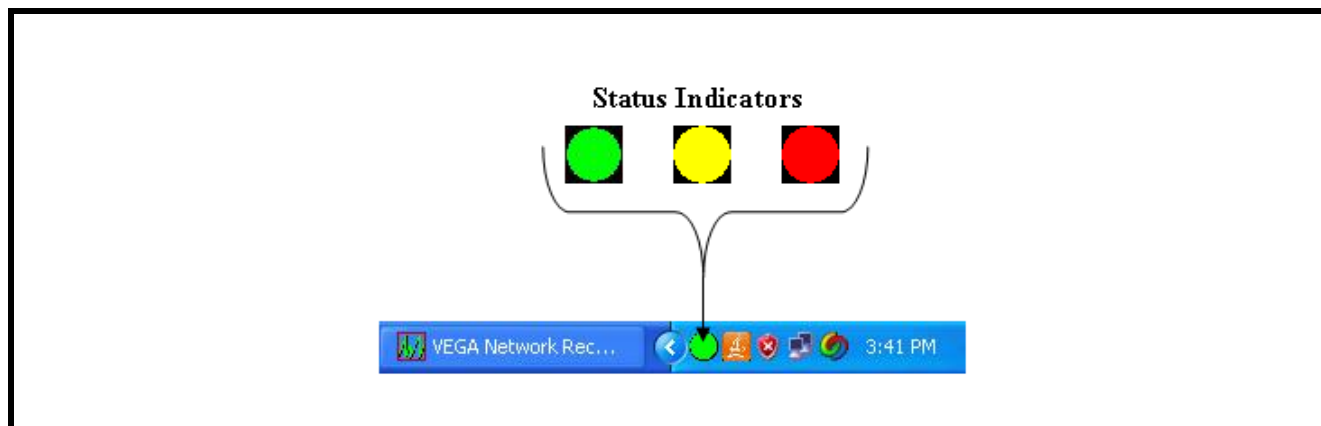


FIGURE 4. Status Indicators

Figures 5 and 6 show an example of what to expect if a warning message is sent from the recorder. In this example, the recorder was manually closed. The status message shows “Not Running”, the message warning shows “Recorder was manually closed” and a warning symbol is displayed.

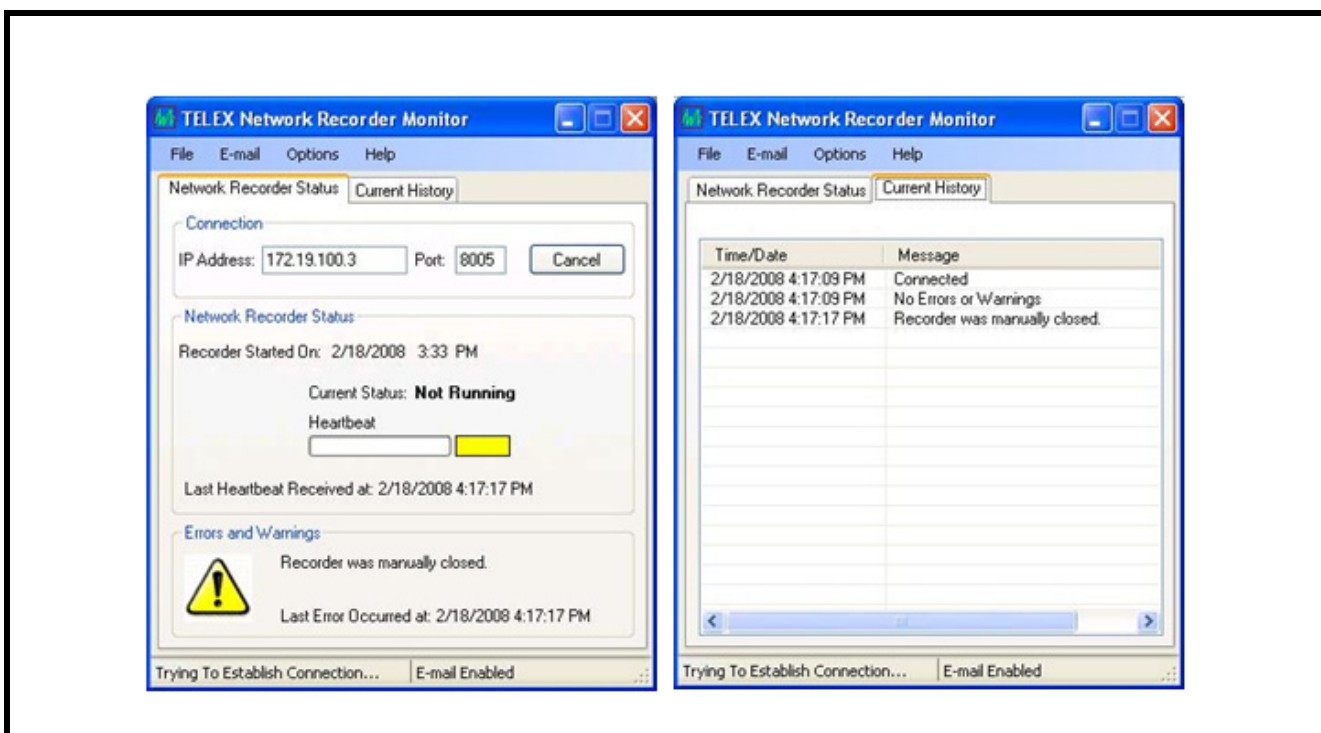


FIGURE 5. Network Recorder Status and Current History

The status bar also shows information about the network connection and the mail system, as shown in Figure 6.

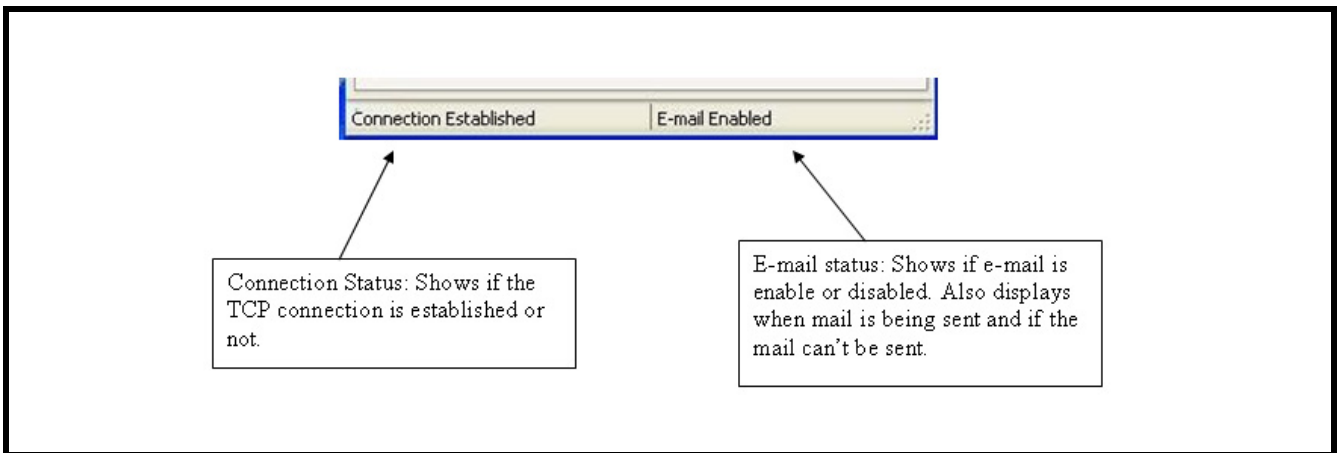


FIGURE 6. Connection Status and E-mail Status

Types of Messages:

TABLE 1. Messages are sent or generated for the following conditions:

MP3 Compression problems	Database is rebuilding
Database connection/reconnect problems	A line has been recording over half an hour
Protect key (dongle) not found	Accumulation of error files
Sound card problems	Less than 20G Byte left on hard drive
Hard drive full	Recorder has closed

E-Mail System

The E-Mail system uses an SMTP e-mail account to transfer mail to the appropriate users account. All fields in the E-mail dialog box must be filled in and saved. Then a test of the e-mail system must be made via the “Test E-Mail” button before the system will be enabled.

Mail will be sent for all messages shown above. Additional mail messages will be sent on connecting, disconnecting or closing of the Monitor application.

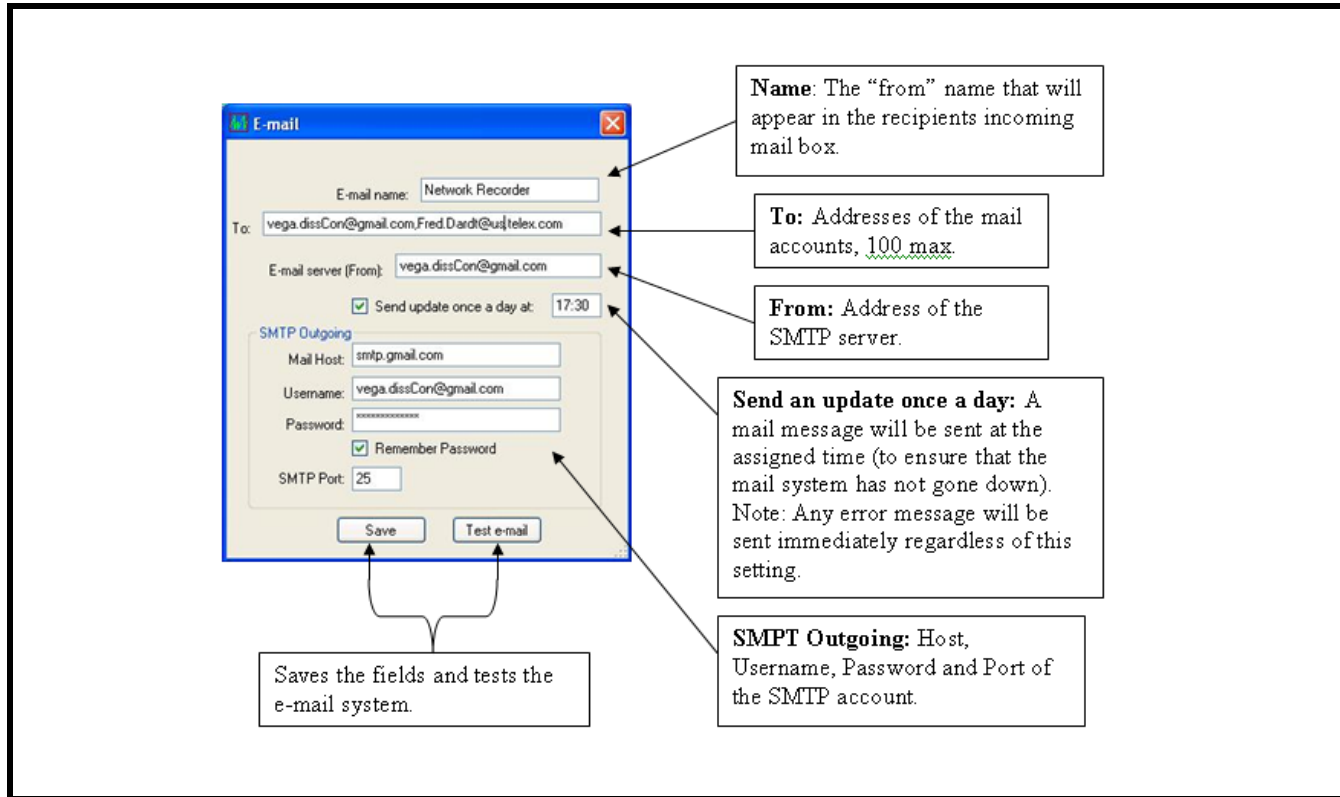


FIGURE 7. E-mail System

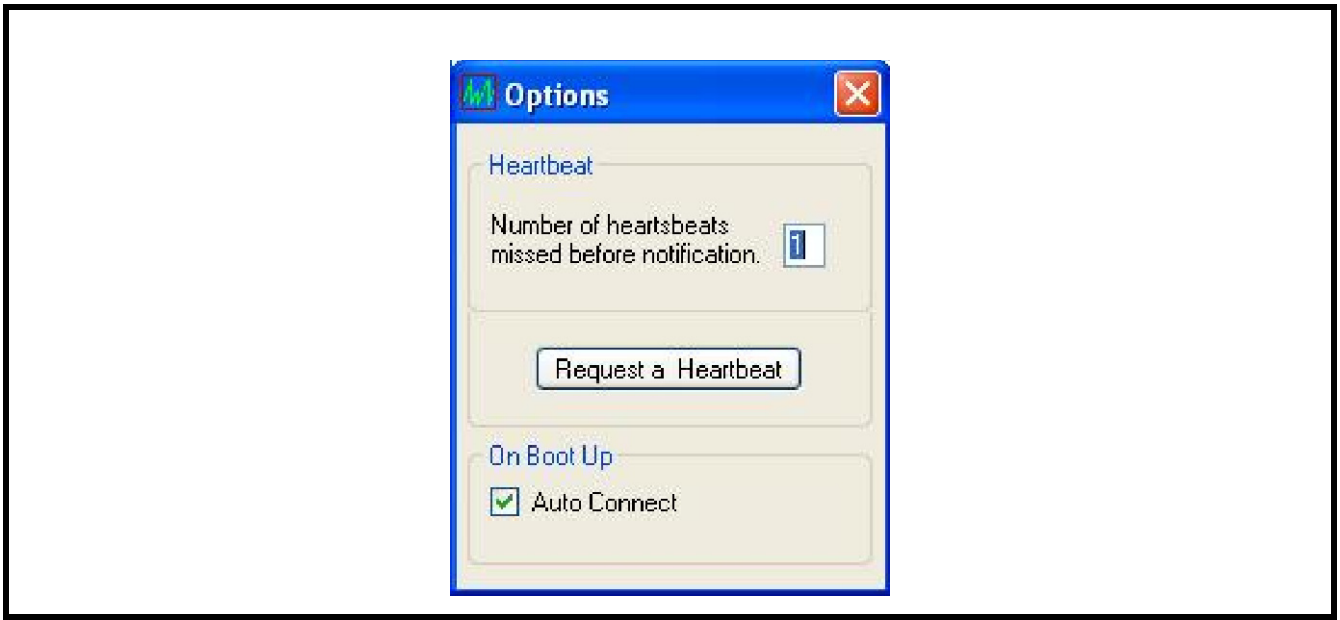


FIGURE 8. Options Window

Heartbeat

Number of Heartbeats

Enter the number of heartbeats missed before the application notifies the user of the error. This setting is normally set to 1. However, if the network is slow, you may want to increase this number to prevent false reporting.

Request a Heartbeat:

Clicking this button causes the Network Recorder software to send a heartbeat immediately.

On Boot Up

Auto Connect:

Checking this box will cause the Monitor application to try connecting to the Network Recorder on start up. A connection retry will continue until either the Monitor app is closed or the Network Recorder app is found and a connection is made.

If a network connection is lost. The Monitor application will automatically try to reconnect to the Network Recorder software regardless of this setting.

Monitor Notes

- All errors and warnings are logged on the Network Recorder machine at C:\Program Files\Telex Vega\LogFiles.
- Only one Monitor application can be used per recorder.
- Message History (Figure 6) is not saved. History is lost when application is closed.

-
- If mail can't be sent, a warning message will be displayed in the main windows status bar (i.e. "Can't Send E-Mail). This message is general displayed if the network connection goes down. It will continue to be displayed until a mail message is successfully sent. You may need to use the "Test e-mail" button to clear this warning.
 - If an Error or Warning message is generated by the recorder it will continue to be sent until the recorder software is rebooted.
 - Do not run the monitor software on the Network Recorder PC.

