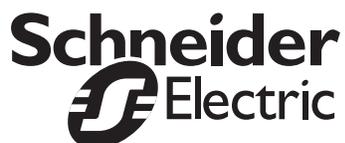


# Enterprise Receive Extension (SMSRX) Setup Guide for use with SMS-3000

Retain for future use.

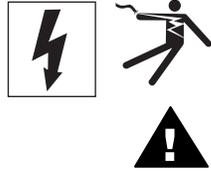


- Merlin Gerin
- Modicon
- Square D
- Telemecanique





## HAZARD CATEGORIES AND SPECIAL SYMBOLS



Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service or maintain it. The following special messages may appear throughout this bulletin or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

### **DANGER**

**DANGER** indicates an imminently hazardous situation which, if not avoided, **will result in** death or serious injury.

### **WARNING**

**WARNING** indicates a potentially hazardous situation which, if not avoided, **can result in** death or serious injury.

### **CAUTION**

**CAUTION** indicates a potentially hazardous situation which, if not avoided, **can result in** minor or moderate injury.

### **CAUTION**

**CAUTION**, used without the safety alert symbol, indicates a potentially hazardous situation which, if not avoided, **can result in** property damage.



Provides additional information to clarify or simplify a procedure.

## PLEASE NOTE

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.



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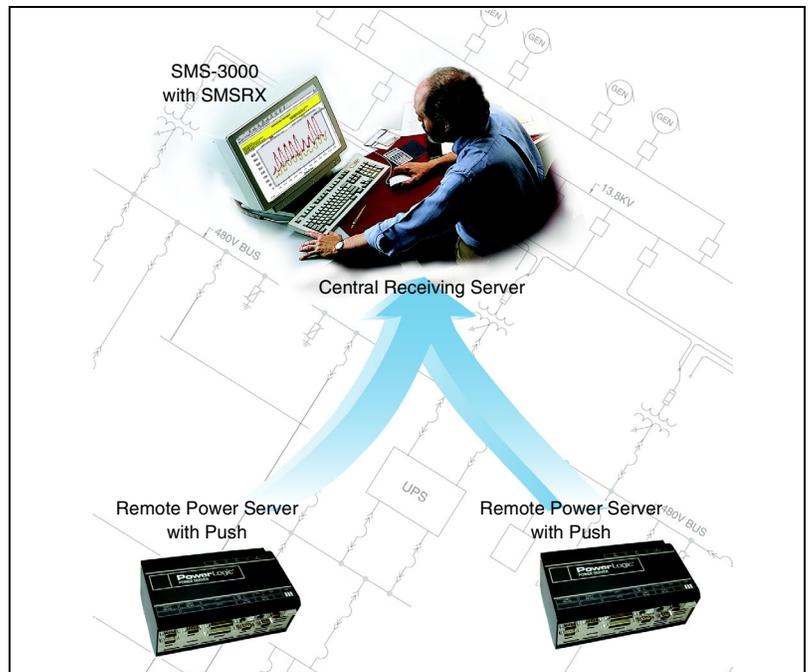


## INTRODUCTION

The Enterprise Receive Extension (SMSRX) is one of the software components of an enterprise-wide POWERLOGIC® Power Monitoring and Control System. Three key software components make up the system:

- **Push application.** The Push application is an add-on to the POWERLOGIC system software on POWERLOGIC Power Servers. When activated, the Push application collects, packages, and sends the data from remote devices via file transfer protocol (FTP) to a central receiving SMS server.
- **SMSRX application.** SMSRX is an add-on to SMS-3000 and is installed on the receiving server. SMSRX receives data from remote devices and prepares it for the central database. The receiving server can accept pushed data through SMS or other custom applications.
- **SMS-3000 software.** When SMS is used in combination with Push on the remote site and SMSRX on the receiving server, SMS can accept remote data into its system and history database. Once received, the data is available for viewing and analysis in SMS.

**Figure 1: Components of the POWERLOGIC Power Monitoring and Control System**



This powerful system lets you communicate with devices that are not directly connected to your server. The system can be as simple as one device communicating through a Power Server across an Intranet to a receiving server, or as complex as a system with multiple devices and multiple Power Servers that push data across the Internet to multiple locations.

## INSTALLATION

### System Requirements

#### Software:

Make sure your system meets the following requirements:

- Enterprise Receive Extension (SMSRX) version 3.3.2.
- Power Server 710 or 750 version 4.0 or higher with Push version 1.01 enabled. You should have created a system and added the devices to the Power Server.



If you have a Power Server 710 or 750 version 3.0 with Push version 1.01, the file version must be 3.3.12.0 or higher. To check the file version, locate the Push.exe on the Power Server, right click the name, and view the properties for the file version information. See the Power Server documentation for more about exploring files on the Power Server.

- SMS-3000 version 3.3.2 installed on a single server with Microsoft Windows® 2000 Server or Advanced Server operating system. The server must have a static IP address. Split-server configuration where SMSRX is installed on more than one server, requires custom engineering services.
- The server should be dedicated to your POWERLOGIC® System. No other software should be installed.

#### Hardware:

The following are recommended specifications for an SMS-3000 server PC running the SMSRX extension. Systems meeting these specifications will provide the performance necessary to process the data volumes of typical enterprise-wide power monitoring system. We recommend that you purchase the fastest processor available at the time of purchase.

- 1.26GHz Pentium III
- 1024MB SDRAM
- 100G 10K RPM hard drive
- Windows 2000 server with 5-client operating system
- Disk drive, CDRW, and 56K internal modem

### Procedure Summary

Before you begin installation and setup, you should set up a Windows account name and password for the server.



When setting up the Windows account, make sure to:

- Create an account name that is different from the computer name.
- Set the account rights to the Administrator or Power User level.
- Set the password to "Never Expire."

The required steps for configuring the receiving server are summarized below. Follow the installation procedures in the order they are presented:

1. Configure Internet Information Services (IIS) to receive FTP files.
2. Install SMS-3000 version 3.3.2.
3. Install SMSRX.
4. Activate and configure Push on the Power Server.
5. Add a corresponding device in SMS for each remote device.

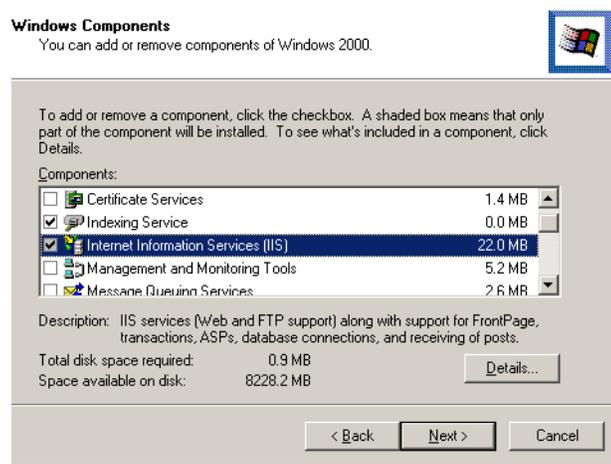
6. Use the Mapping Utility (an SMS tool installed with SMSRX) to map each corresponding SMS device to its remote device.
7. Create local tasks in SMS for the remote devices and map those remote functions to local tasks (optional).

These procedures are detailed in the sections that follow.

### Configuring IIS on the Receiving Server

Internet Information Services (IIS) is a component of Windows and must be installed and configured. To verify if all components of IIS are installed:

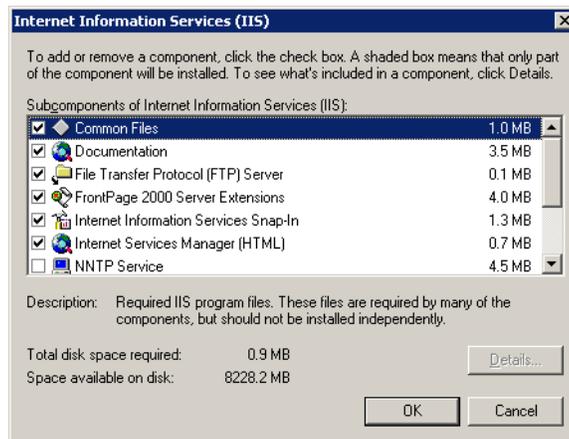
1. Click Start > Control Panel > Add/Remove Programs > Add/Remove Windows Components and click IIS.



2. Click **Details** and check that the ISS components are installed.

These boxes must be checked:

- Internet Information Services Snap-In
- File Transfer Protocol (FTP) Server

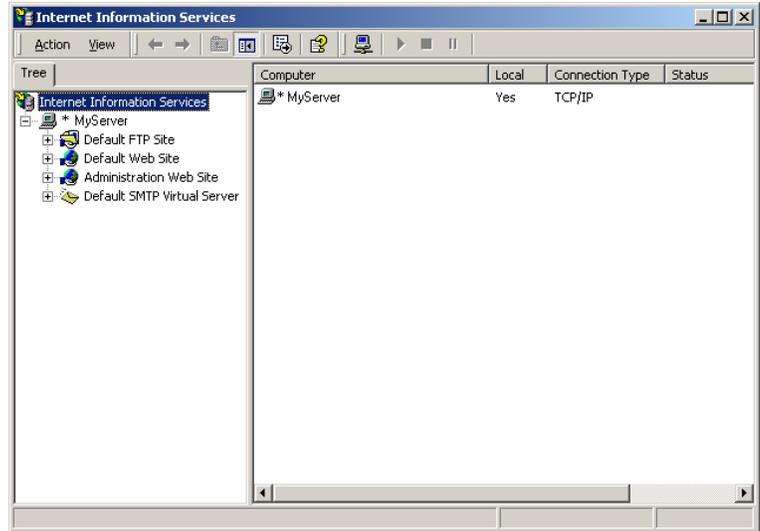


If IIS (or one if it's components is not installed), install it.

Once installed, configure IIS to receive files via FTP. Follow these setup steps:

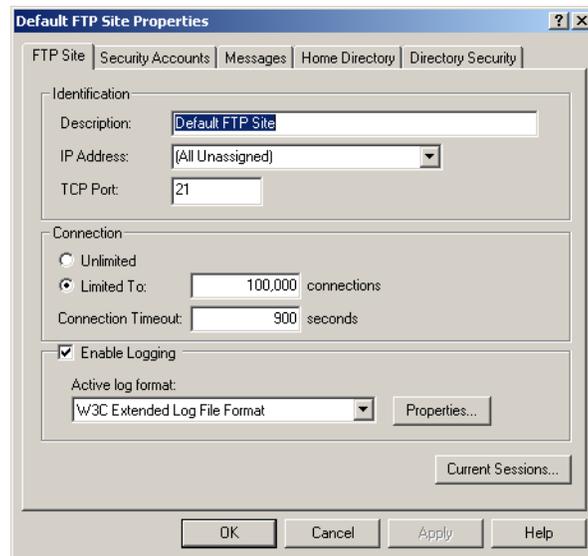
1. Launch IIS (Start > Programs > Administrative Tools > Internet Services Manager).

The IIS Tree directory displays.



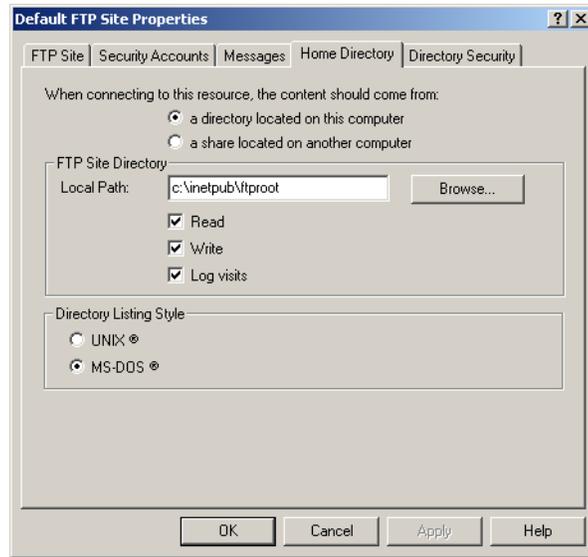
2. Right-click Default FTP Site and select Properties.

The FTP Site tab displays.

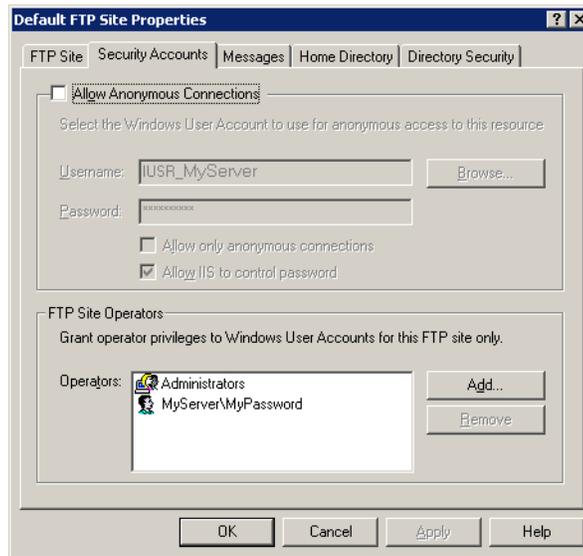


3. Make sure the Enable Logging box is checked on the FTP Site tab.

4. Click the **Home Directory** tab.



5. Check the Write box and click Apply.
6. Click the **Security Accounts** tab.



7. Uncheck the Allow Anonymous Connections. Do not allow anonymous connections and click Apply.
8. Click **OK** and close IIS.  
Your server is now ready to receive files via FTP.

## Installing SMS-3000

SMS-3000 version 3.3.2 is required for use with SMSRX. Install SMS-3000 according to the installation instructions included with your SMS software. Be sure to restart the server after installation is complete.

*NOTE: If SMS-3000 has been running and data has been collected in the system database, use Database Services to make a backup of the system setup database. For instructions, see "Backing Up the SMS Databases" in the SMS online help file.*

## Installing SMSRX

Before you begin:

1. Make sure you have logged on to the receiving server with the same Windows account that you are now going to set up to run SMS as a service.
2. On the Push FTP Site directory on the Power Server, make sure you have configured Push to use the Windows account and password of the receiving server and that the FTP directory is SMSRX.
3. If SMS is running, shut down the SMS client and server.

To install the SMSRX software on the receiving server (where the data will be received), follow these instructions:

1. Insert the installation CD into the CD-ROM drive.
2. If you have not disabled the autorun feature, the Autorun screen displays.
3. Click Install.

If the Autorun screen does not display, click **Start > Run ...** to open the Run dialog box. Click **Browse ...** and scroll to the CD drive. Highlight *Setup.exe* and click **OK**.

This warning dialog displays.



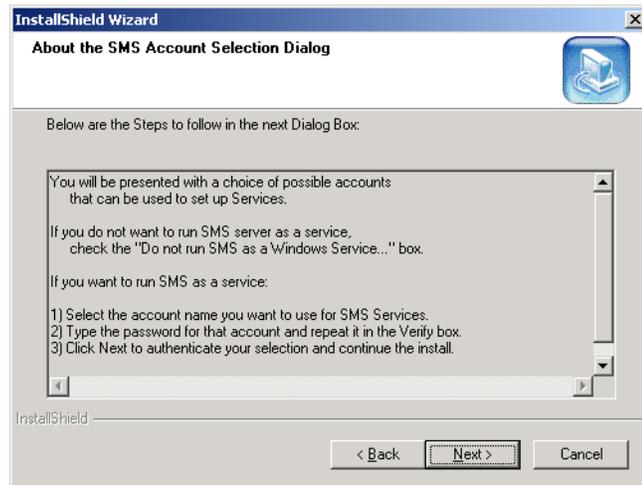
If any anonymous IIS accounts are set up on this server, exit the install procedure and disable these accounts. See "Configuring IIS on the Receiving Server" on page 5. When the anonymous accounts are disabled, continue with the install.

- Click **OK** to bypass the Warning.  
The Backup Recommendation dialog displays.



If SMS has been running and you have added system information (devices, user accounts, etc.), you must back up the system database. If you did not do this before you began the SMSRX installation, quit the installation, launch SMS, and use the Database Services feature to back up the database.

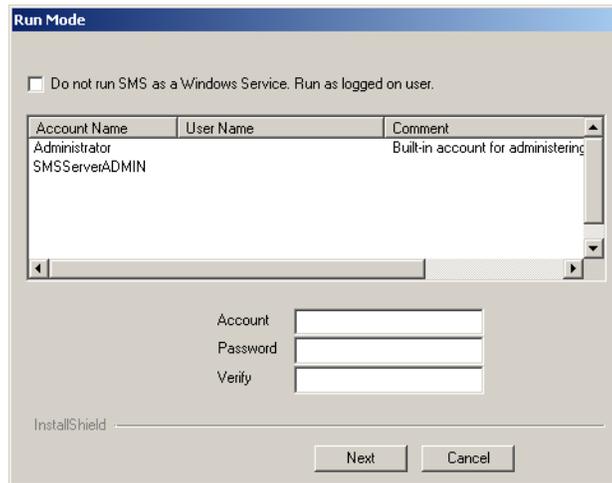
- Click **Yes** if no data has been collected in the system database, or if you have made a backup copy of it.  
The Enterprise Receive Extension (SMSRX) welcome screen displays.
- Click **Next** to begin the installation.  
The License Agreement screen displays.
- Click **Yes** to accept the licence agreement.  
The About the SMS Account Selection screen displays.



You should run SMS as a service.

8. Click **Next**.

The Run Mode dialog displays.



9. On the Run Mode dialog:

- a. Leave the box unchecked (to run SMS as a Windows service).
- b. Click the account name to select the Windows account name that will run SMS as service.
- c. Enter the password for the account.
- d. Re-enter the password in the Verify field.

10. Click **Next**.

The Start Copying Files dialog displays.

11. Click **Next** to proceed with the installation.

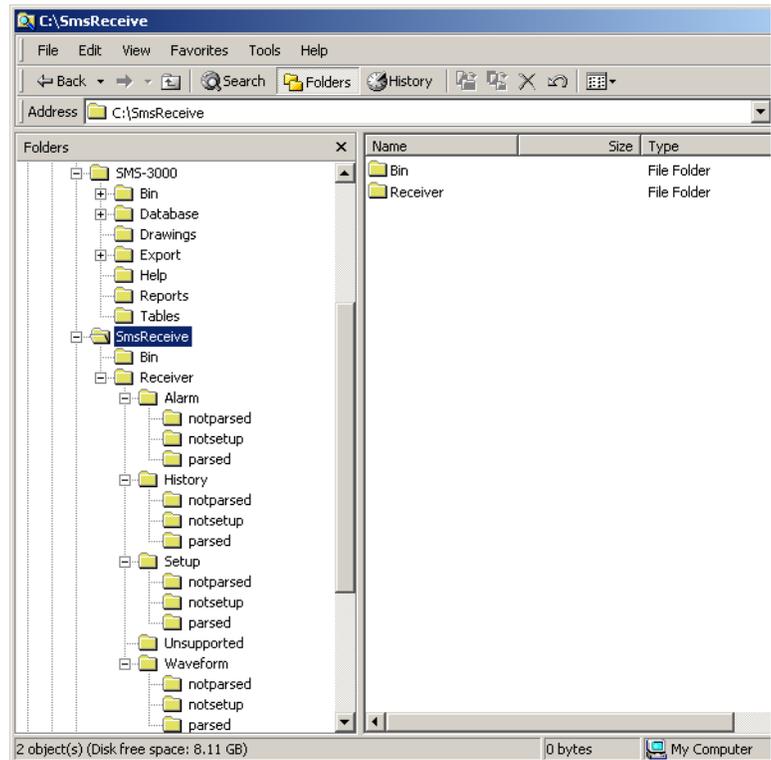
Installing the files could take several minutes. When setup is complete, the Registration Form dialog displays.

12. Click **Close** to bypass the registration or register your SMSRX software.

13. Click **Finish** to restart the server.

The server reboots. The services will restart SMS. The SMSRX install program does the following:

- creates a new default FTP site called “SMSRX” (which matches the Push FTP site configuration) and defines a virtual directory called “SmsReceive.” The new subdirectory (SmsReceive) is located under the SMS-3000 main directory on your receiving server. All incoming files via FTP will be moved from default FTP site (SMSRX) to the SmsReceive folder. The SMSRX application watches this directory for any pushed files.
- adds two utilities (Parser service and File Forwarder) that manage the services for SMSRX. The services package and place the files in the appropriate directories. See “Appendix A— How Files are Managed” on page 21 for more about remote files.
- installs the Mapping Utility, which is described in “Mapping Devices to SMS” on page 14.
- adds an entry (Enterprise Data Extension) to the Start > Programs > SMS-3000 menu.



## Setting Up the Push Application

Your remote system should be set up; that is, you should have created a system and added devices to your POWERLOGIC system on the Power Server. You must also activate and configure the Push application according to the instructions in the Push Setup Guide. After completing the installation and setup of the Push application, Push begins to collect and package the data, sending it to the default FTP site on the receiving server.



When configuring the FTP Site in Push, the FTP site directory must be named SMSRX. The user name and password defined on the FTP Site tab in Push must match the Windows account user name and password on the receiving server. Restart the Push application to immediately send a file to the receiving server.

Also, if you are using version 3.0 of the Power Server, you must upgrade to the latest version of the Push. See “System Requirements” on page 4.

## Adding Corresponding Devices to SMS

Even though you have devices added to the Power Server, you must also add a corresponding device in SMS for each remote device.

This is true for most cases except when you are communicating in real-time directly to devices **and** also pushing data from those same devices to your receiving site. In this case, if you already added the devices in SMS, skip to “Mapping Devices to SMS” on page 14. You do not need to add the device again.

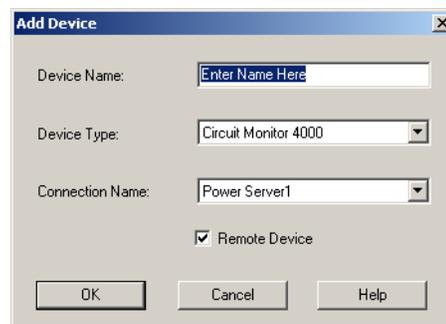


Before adding devices to SMS:

1. Launch the SMS client, click Start > Programs > SMS-3000 > SMS-3000 Client.
2. Add a communication connection for the remote Power Server, using the same IP address of the Power Server.
3. Launch the Mapping Utility; from the SMS toolbar, click Tools > Mapping Utility.
4. Log in to the Mapping Utility using an SMS user ID and password. The user ID must have an access level from 1 to 5.

To add a remote device to SMS:

1. In SMS, go online with your system (File > Online > System).
2. Click Setup > Devices/Routing to display the Setup Devices dialog box.
3. Click **Add** to display the Add Device dialog box.

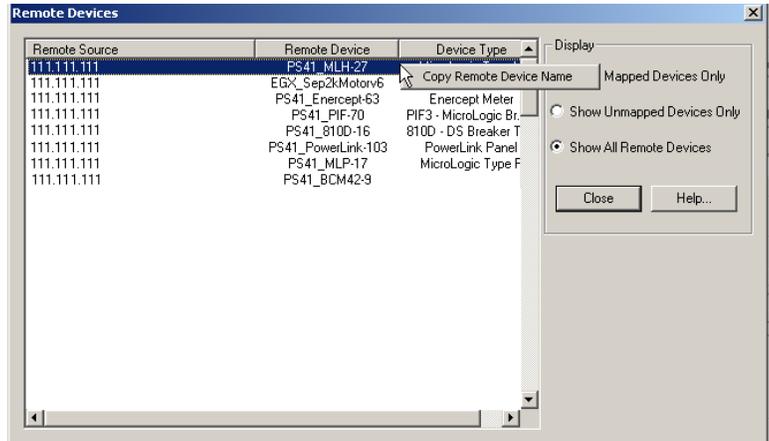


4. Enter the **Device Name**.

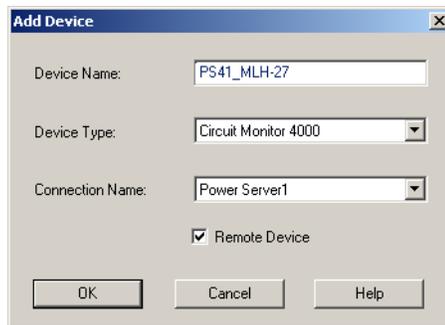
We recommend that you use the same device name or a name that helps you relate the corresponding device to the remote device on the Power Server.

You can copy the device name that you used in your remote system. Go back to the Mapping Utility and click Display Remote Device.

The remote device list displays.



5. Right click the device and copy the name.
6. Return to the Add Device dialog in SMS and paste the name into the Device Name box.



7. Complete the entries for the Add Device dialog:
  - Device Type:** Select the type of device you are adding.
  - Connection Name:** Select the Power Server communication connection that you defined.
  - Remote Device box:** Check the box.
8. Click **OK** to save the device information.

SMS displays the routing dialog for the Connection Name you chose. We recommend that the device address on the Power Server is the same device address in the SMS system. For example, if you add a CM4000 with address 3 to the Power Server system, use address 3 for the device address of your corresponding device in SMS.
9. Click **OK** to save the routing information.
10. Repeat these steps until all the remote devices are added to SMS.

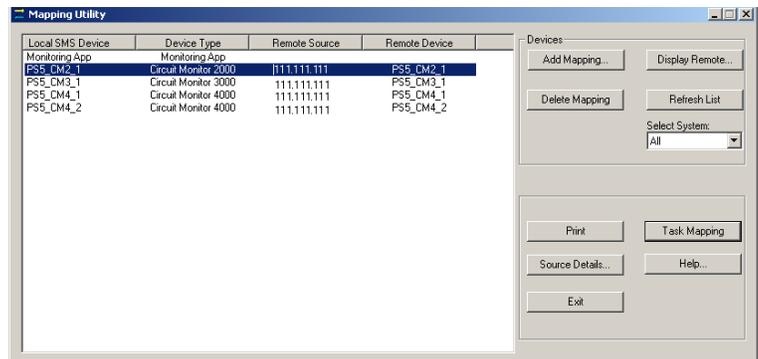
## Mapping Devices to SMS

After you have created the remote device on the Power Server and added its corresponding device to the SMS system on the receiving server, you must map the two devices using the Mapping Utility. The Mapping Utility is installed as a tool in SMS when you install SMSRX.

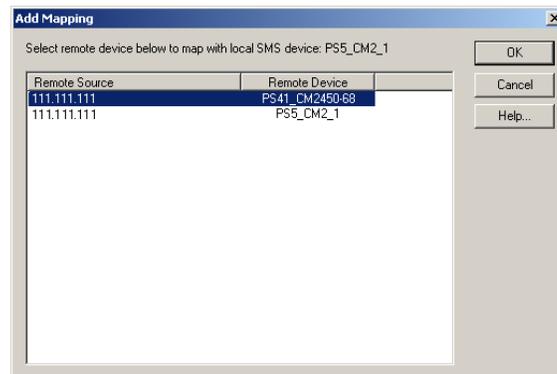
You can also use the Mapping Utility to associate remote alarms with local SMS tasks, and you can view the types of information being sent from Push. Each screen of the Mapping Utility has a Help button that explains how to use that particular screen.

Follow these instructions to map devices:

1. If SMS is not already running, launch it and put the system online (optional).
2. If the Mapping Utility is not launched, start it from the SMS toolbar (Tools > Mapping Utility).  
A login screen displays.
3. Log in to the Mapping Utility using an SMS user ID and password. The user must have a level 5 access or better (levels 1 through 5).  
The Mapping Utility screen displays.



4. Highlight the device that you want to map and click **Add Mapping**.  
The Add Mapping screen displays.



5. Highlight the corresponding remote device on the Power Server and click **OK**.  
Repeat steps 3 and 4 until you map all the remote devices.
6. After mapping all of the devices, exit the Mapping Utility and return to SMS.

## REMOTE DATA IN SMS

After installation and setup of SMSRX is complete, Push sends the remote data to the receiving server where the data is added to the SMS database. This data includes:

- Historical data
- Waveforms
- Alarms
- Events

### Data Types from Push

**Historical data** from remote devices is viewable in Information Manager. You can view both PC-based and on-board (device) logged data, including 100 ms data logs from CM4000 circuit monitors.



Remote device data may be reported with N/A in Information Manager reports because data may be being pushed for one device, but not another at every interval. For example, if one device logs every minute and another device logs every 10 minutes, then the second device will often show N/A because no data was logged at the time Push sent the file.

**Remote waveforms** files are pushed to the receiving SMS server, marked as remote (remote <mapped device name> date/time stamp.) Remote waveforms include disturbance, adaptive, transient, and steady-state waveforms—including those that are manually triggered.

**Remote active alarms** are announced in the Active Alarms window in SMS and marked as remote by an (R) next to the alarm name. Remote alarms are handled like any other alarms and can be viewed in the Alarm Log, except that remote alarms can only be acknowledged as a group, using the Acknowledge All Alarms button. Also, remote functions are not shown in the Active Functions window (the dialog you view when you click the Functions button  on the SMS toolbar).



Because remote alarms are handled like onboard alarms, the alarm will remain in the Active Alarm view for one alarm scan. Increase the Onboard Alarm Check cycle in SMS to improve the chance that remote alarms will stay in the Active Alarms window longer. See “Intervals Tab” in the SMS online help file for more information.

See “SMS System Monitoring” on page 16 for information about special alarms installed for SMSRX.

**Events** from Power Servers provide useful information on the status of remote systems and devices. These events are time stamped and viewable in the SMS activity log:

- Remote system events:
  - System online or offline
  - Server started or stopped
  - Remote site out of service. When no files are received from a site, a “remote site out of service” message is placed in the Activity Log and an alarm is generated in the Active Alarm window.
  - Remote site back in service. When a file is received after a site has been out of service, a new event “remote site back in service” is generated and the alarm is removed from the Active Alarm window.

- Remote device events:
    - Device deleted or added
    - Device comms loss\*
    - Device comms restored
    - Device in sync with the database
    - Device out of sync with database\*
    - Device name changed
- \*Also annunciated as alarms

For more about data management, see “Appendix A— How Files are Managed” on page 21.

## Tasks

You can create local tasks on the receiving server in SMS to respond to remote alarms. For example, you can setup an email task to notify personnel of an alarm condition on the remote device. Because SMS is running as a service, you can launch executable files (.exe files) with a task, but the executable must be able to run and shut down without user interaction.

You must first set up the task in SMS and associate the task with the remote device. Then, map the task to the alarm, using the Mapping Utility. See the Mapping Utility online help file for instructions.

## Date and Time Synchronization

Date/time stamps on data received from other time zones are automatically converted to the time of local receiving server. This makes it easier to analyze data from across time zones at a central location.

For example, if the receiving SMS server is located in one time zone, and a waveform was captured by a remote device in another time zone, then the time stamp on the waveform would be adjusted to time zone of the receiving server. The time stamp is also adjusted if the receiving server is set for daylight savings.

## SMS System Monitoring

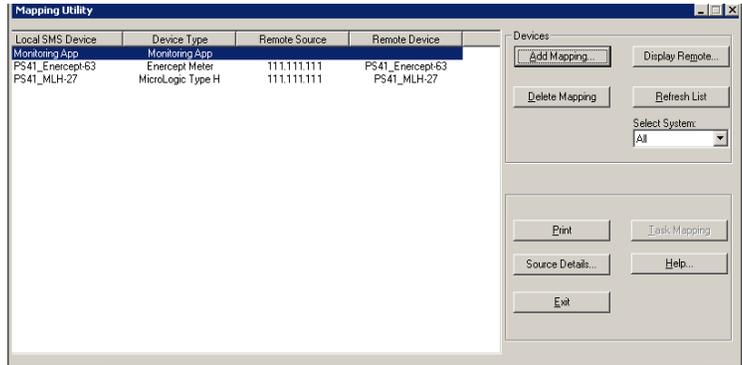
Two special events (and their associated alarms) have been created for SMSRX. The remote site out of service and remote site back in service let you know if your remote site is down.

Another feature of SMSRX is its ability to monitor some file management activities of the SMS system, and to annunciate alarms for those activities. The system monitors these activities:

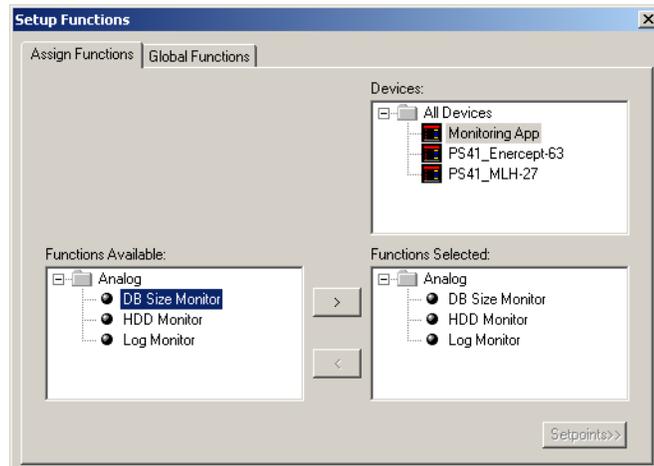
- the size of the SMS database
- hard drive usage of the receiving server
- presence of files coming from Push

When SMSRX is installed, a “Monitoring App” device is automatically added to your SMS system and is displayed in the device list in the Mapping Utility. You do not need to map this “device.”

This screen capture shows the Monitoring App device.



Also installed are the preconfigured alarms associated with it. In SMS, click Setup > Functions/Alarms to display the Assign Functions tab.



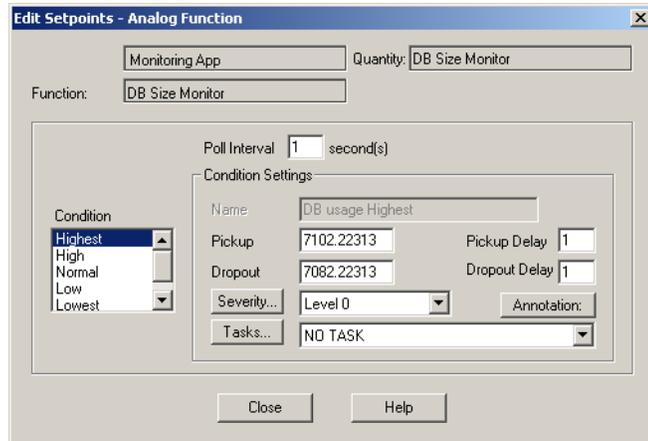
Click the Monitoring App device to display the functions:

- DB Size Monitor (database size)
- HDD Monitor (hard disk size)
- Log Monitor (Push logged files)

To view the setpoints for these functions, in the Functions Selected box, click the function, then click Setpoints.

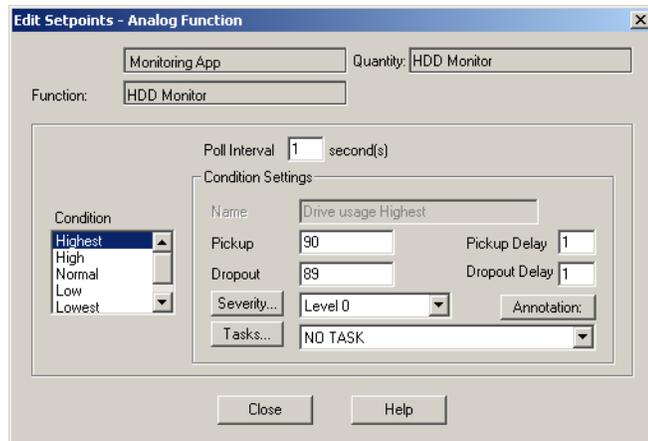
### Database Size Monitor

The DB Size Monitor is a function that monitors the size of your SMS history database (sms\_history\_data.mdf). The alarm conditions Highest and High are preconfigured to alarm when the database reaches it 80% and 70% levels. The pickup and dropout setpoints are based on MB used and are calculated for your server when SMSRX is installed. When you receive an alarm for database usage, you should archive the SMS database. See the SMS online help file for instructions on archiving.



### Hard Drive Usage Monitor

The HDD Monitor is a function that monitors the percent of used space on the server's hard disk. The alarm conditions Highest and High are preconfigured to alarm when the hard disk reaches it 90% and 80% levels.

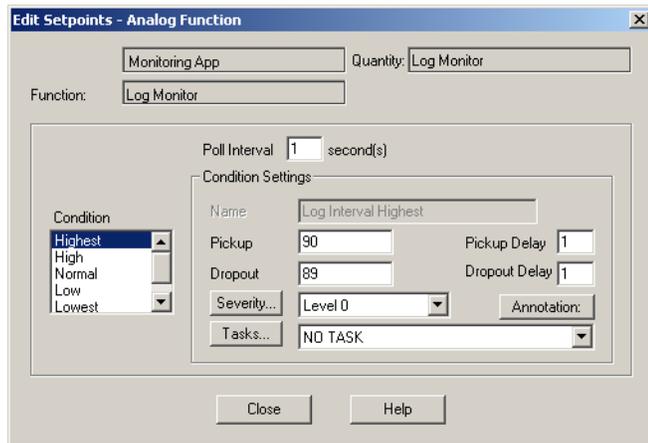


When you receive an alarm for the drive usage, look at how much space is being used to store these following files:

- **Waveform captures.** Stored in the SMS-3000\Export\Comtrade folder, you can copy the files off the server and delete them from this folder.
- **Historical files.** Make sure you are using the archiving feature of SMS to archive the SMS\_History database. See the “Backing Up and Archiving” in the SMS online help file.
- **Temporary log files.** Temporary SMS log files are stored in the csinfo.db.log and csinfo.log and indicate that data is not being added to the database successfully. If these log files are growing extremely large, you may have a problem in your system. Copy the file off the server and contact technical support for assistance.
- **Temporary Windows files.** Consider deleting files from the C:\WINNT\Temp folder.

### Log File Monitor

The Log Monitor is a function that will annunciate an alarm when the receiving SMS server has not received historical pushed data from a remote site. For example, you will receive this alarm if data is not logged for two hours. The alarm conditions Highest and High are configured to alarm when the logging interval reaches 90% and 80% levels.



## TROUBLESHOOTING

**Table 1: Troubleshooting**

Problem	Possible Solution
No devices in the Mapping Utility.	Restart Push to immediately send a file from Push. Click the Refresh List to receive any data from Push. See “Mapping Devices to SMS” on page 14. Make sure the corresponding device is added to SMS on the receiving server. See “Mapping Devices to SMS” on page 14.
No data or data is not what is expected.	<ul style="list-style-type: none"> <li>• Check your FTP site configuration in Push. Make sure the user account and password defined for Push matches that on the receiving server. Make sure the FTP site directory is SMSRX. Refer to the Push documentation.</li> <li>• Check your IIS FTP site configuration on the receiving server. See “Configuring IIS on the Receiving Server” on page 5.</li> <li>• Click source details in the Mapping Utility and check which data types are being sent from Push. See “Mapping Devices to SMS” on page 14 and refer to the Mapping Utility help file.</li> <li>• Check that each device added to the Power Server is also added to the receiving SMS system and mapped in the Mapping Utility. See “Adding Corresponding Devices to SMS” on page 12 and “Mapping Devices to SMS” on page 14.</li> <li>• Check the event log in the File Forwarder and File Parser services. See “About the File Forwarder and File Parser Managers” on page 22 for more about these services.</li> <li>• Check the Windows Event View on the Power Server to see if any errors are logged from the Push application.</li> <li>• Check the File Parser and File Forwarder managers to see if the services are running (status is indicated by a green light). See “About the File Forwarder and File Parser Managers” on page 22. Start the services if they are not running or call Technical Support if you cannot start the services.</li> <li>• Check the Event Log in the File Parser to see if any files have been processed or any errors have been logged. If services are running and you are not getting files, check the Power Server setup and version.</li> <li>• If you have set up a Windows user account with a password that expires, or the user account has been removed, you may need to check or add the account again. Use the SMS configuration Utility to do this (Start &gt; Programs &gt; SMS-3000 &gt; SMS-3000 Configuration Utility). See the SMS help file for SMS Configuration Utility information.</li> </ul>
Monitoring App alarms	If you are receiving monitoring app alarms, see “SMS System Monitoring” on page 16 for actions you can take to respond to these alarms.

## APPENDIX A— HOW FILES ARE MANAGED

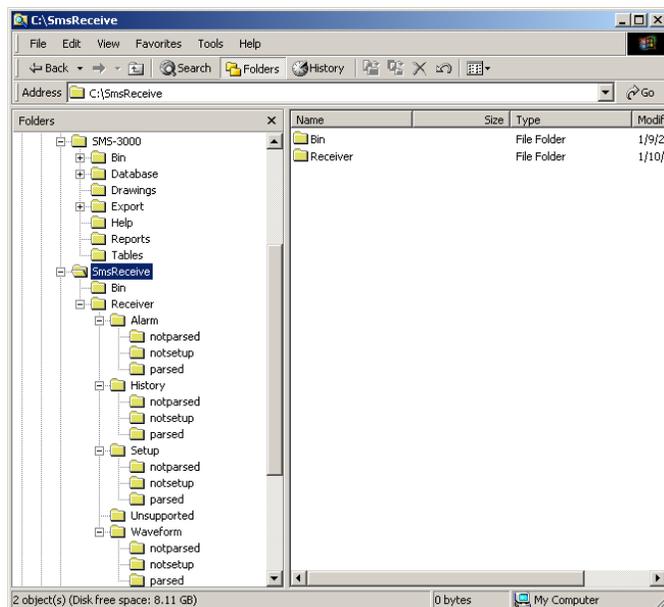
When remote files are sent to the receiving server via FTP, the files are placed into the SMSRX virtual directory (C:\SmsReceive\Receiver). Two services installed by SMSRX process the files and prepare them for use with SMS.

The File Forwarding service takes all files from the SMSRX virtual directory and moves them to the appropriate receive folder based on the file extension name. Table 2 lists the types of data that can be sent from Push to the receiving server and shows where the files will be placed.

**Table 2: Data Types sent from Push**

Data Type	Description	File Extension	SMSRX Folder Location
Alarms	Remote alarm configuration, and alarms when they are annunciated on the remote system	.alrf	Alarm
Events	SMS remote events, such as going online and offline	.evtf	Alarm
Log Data	Historical data, logged for reporting in Information Manager	.logf	History
Waveforms	Remote waveforms, sent one waveform per file.	.wfcf	Waveform
	.wfcf includes waveform setup data	.wfdcf	
	.wfdcf includes the points on the graph .wfif for transients only, indicates the location of the transient	.wfif	
Devices	Remote device setup data	.cfgf	Setup
Systems	SMS system(s) from which data is being pushed	.cfgf	Setup
Diagnostics	PC events, from Push or SQL, that are captured in the Windows event viewer	.diag	unsupported
Watchdog	Periodic poll sent out by Push to verify that SMSRX is still communicating	.dawg	Setup
Configuration	FTP sites file contains configuration information about each FTP site defined in Push	.ftps	Setup

Once the data is received, the File Parser service parses the files. The File Parser also places diagnostic files (.diag) pushed from the remote server to the “unsupported directory.” The file manager periodically deletes old files from this folder. Diagnostic files from the remote server are not put into the database and are not sent to SMS.



## About the File Forwarder and File Parser Managers

Normally, the File Forwarder and File Parser services run in background and the preconfigured settings do not need to be changed. However, to provide flexibility in the software, the File Forwarder and Parser Service applications can be launched from the Start Menu (Start > Programs > SMS-3000 > Enterprise Receive Extension), and it is possible to adjust settings.

We have provided documentation about the File Forwarder Manager and File Parser Manager in case adjustments need to be made to the system.

### CAUTION

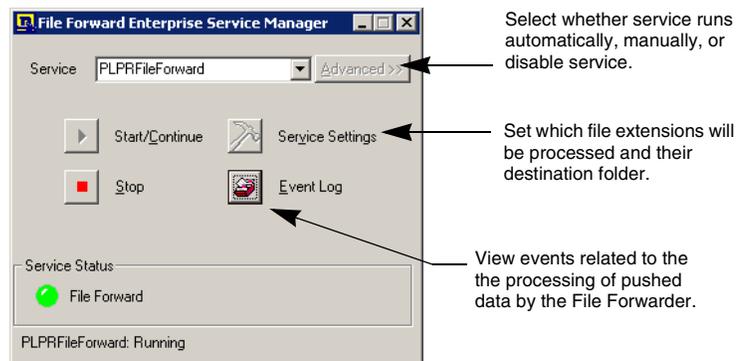
#### POSSIBLE CONFIGURATION PROBLEMS

We recommend that you **do not change** any settings in the File Forwarder or File Parser applications. Only qualified POWERLOGIC personnel should change these settings.

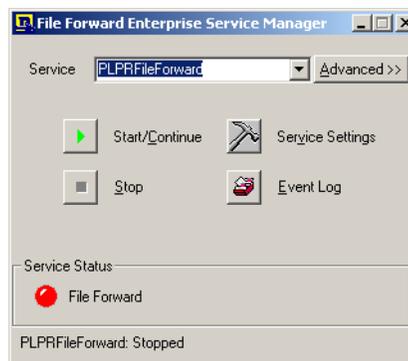
**Failure to follow this instruction can result in software or equipment malfunction.**

## File Forwarder

When the File Forwarder application is launched, the File Forward Enterprise Service Manager displays.



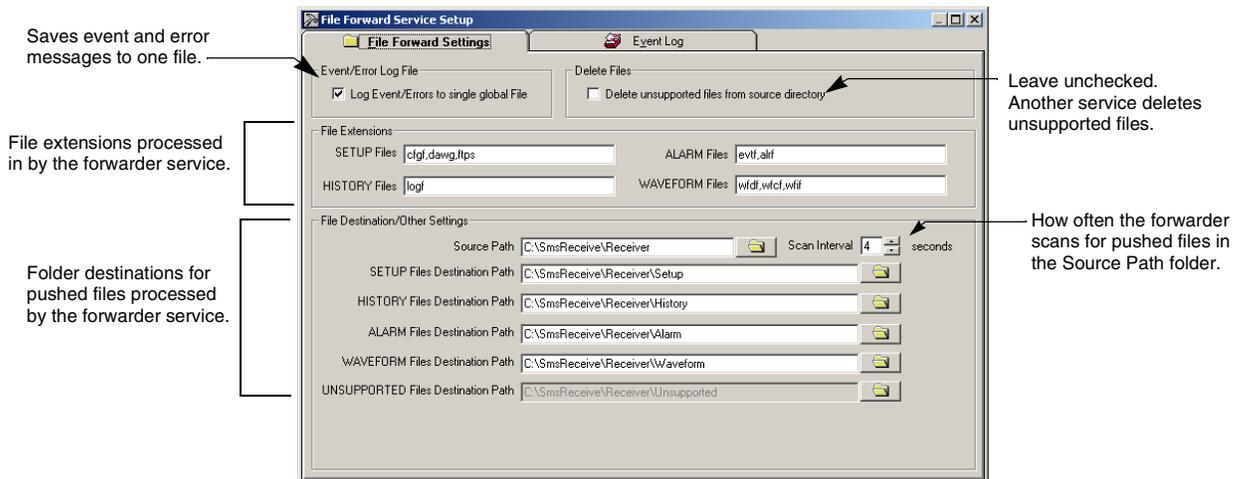
Click **Stop** to stop the File Forward service. This also activates the Advanced and Services Settings button. Click **Start/Continue** when you want to restart the service. Notice that the Service Status displays green when the File Forward service is running, and changes to red when the service is stopped.



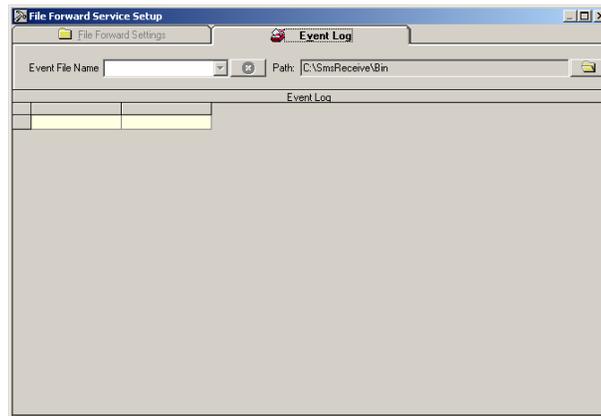
Click **Advanced** to display the service type options.



Click **Services Settings** to display the File Forward Settings tab.



Click the **Event Log** tab to display it. Any events or error messages for SMSRX are displayed on this tab.



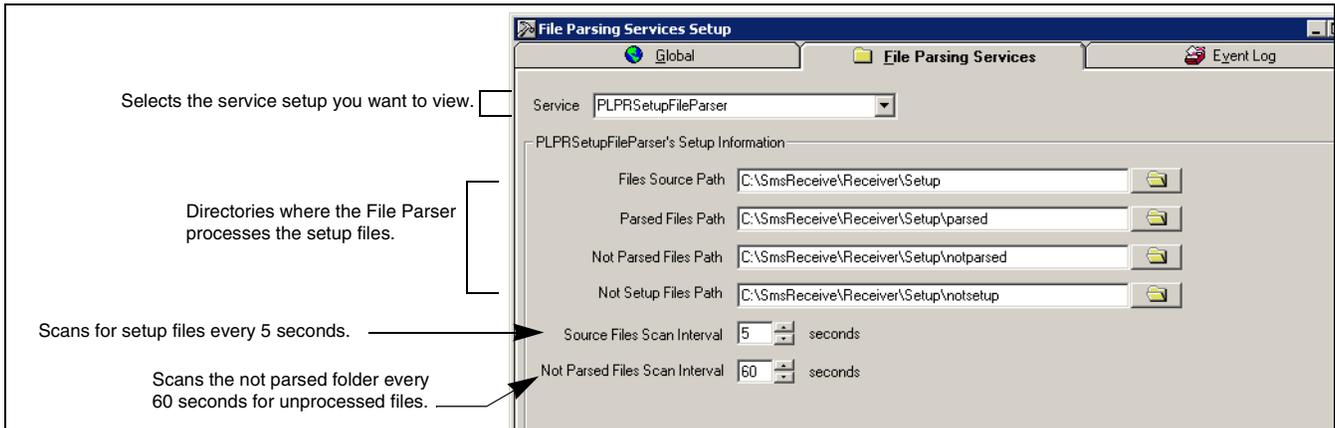
**File Parser**

When the File Parser application is launched, the File Forwarder Enterprise Service Manager displays. Stop the PLPRFileManager service first. Then, stop the other services to activate the Service Settings or Advance button. To restart all the services, restart the PLPRFileManager. This service will restart all the others.

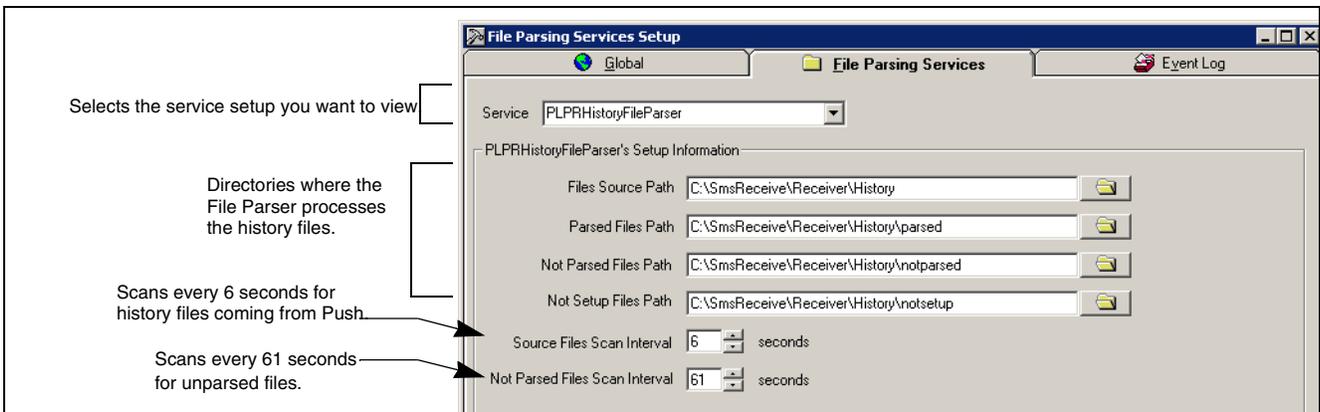


Click **Services Settings** to display the File Parsing Services tab. Each service has a unique tab associated with it.

**Setup File service tab**



**History Manager service tab**



**Alarm File Manager service tab**

Selects the service setup you want to view.

Directories where the File Parser processes the alarm files.

Scans every 7 seconds for alarm files coming from Push.

After the alarm is parsed, it sends the alarms every 62 seconds to the SMS Alarm Log and the Active Alarm view if it applies (less than 24 hrs old).

Alarms less than 24 hours old are placed in the SMS Active Alarm view, alarms older than 24 hours are placed in the SMS Alarm Log.

**File Parsing Services Setup**  
Global | File Parsing Services

Service: PLPRAlarmFileParser

PLPRAlarmFileParser's Setup Information

- Files Source Path: C:\SmsReceive\Receiver\Alarm
- Parsed Files Path: C:\SmsReceive\Receiver\Alarm\parsed
- Not Parsed Files Path: C:\SmsReceive\Receiver\Alarm\notparsed
- Not Setup Files Path: C:\SmsReceive\Receiver\Alarm\notsetup
- Source Files Scan Interval: 7 seconds
- Post Alarms Interval: 62 seconds
- Show alarms in active view within: 24 hours

**Waveform File service**

Selects the service setup you want to view.

Directories where the File Parser processes the waveform files.

Scans every 8 seconds for waveform files coming from Push.

Scans the not parsed folder every 63 seconds for unprocessed files.

**File Parsing Services Setup**  
Global | File Parsing Services | Event Log

Service: PLPRWaveformFileParser

PLPRWaveformFileParser's Setup Information

- Files Source Path: C:\SmsReceive\Receiver\Waveform
- Parsed Files Path: C:\SmsReceive\Receiver\Waveform\parsed
- Not Parsed Files Path: C:\SmsReceive\Receiver\Waveform\notparsed
- Not Setup Files Path: C:\SmsReceive\Receiver\Waveform\notsetup
- Source Files Scan Interval: 8 seconds
- Not Parsed Files Scan Interval: 63 seconds

**File Manager service tab**

Selects the service setup you want to view.

Scans every 2 hours for files coming from Push.

Keeps Push files in each directory for 1 day before deletion.

Watchdog alarm that activates an SMS alarm if no remote data is received after 1 day.

Checks for duplicate files found within a 7-day period. Will also trigger a SPAM warning in the event log.

**File Parsing Services Setup**  
Global | File Parsing Services | Event Log

Service: PLPRFileManager

PLPRFileManager's Setup Information

- Files scan schedule (in hours): 2
- Push files deletion schedule (in days):
 

	../not parsed	../not setup	../parsed
Setup	1	1	1
History	1	1	1
Alarm/Event	1	1	1
Waveform	1	1	1
Unsupported	1		
- Note: If either one of the above values are set to zero, then the files scanning for deletion will not be performed.
- Watch Dawg Alarm: 1
- Check Sum: 7

**Event tab**

Annotations for the Event Log tab:

- Delete log
- Refresh log
- Export log to a .txt
- Check box to limit log to display only error messages.

Date Time	Source Name	Module Name	Error Description	Error Number
1/13/2003 9:30:30 AM	PLPRSFPServer	Check-Sum	SPAM WARNING: File WD_0003ec45f062.dawg	-1
1/13/2003 5:11:22 AM	PLPRSFPServer	Check-Sum	SPAM WARNING: File WD_0003ec45f0a9.dawg	-1
1/13/2003 3:51:45 AM	PLPRDAServer	PLPRDAServer.CHistod	Timeout expired	-2147217871
1/13/2003 1:50:47 AM	PLPRDAServer	PLPRDAServer.CHistod	Timeout expired	-2147217871
1/12/2003 7:39:46 PM	PLPRSFPServer	Check-Sum	SPAM WARNING: File WD_0003ec45f0d9.dawg	-1
1/12/2003 3:48:35 AM	PLPRDAServer	PLPRDAServer.CHistod	Timeout expired	-2147217871
1/12/2003 1:47:35 AM	PLPRDAServer	PLPRDAServer.CHistod	Timeout expired	-2147217871

**Global tab**

Annotations for the Global tab:

- The Global File is not used, all files are logged to the database.
- Will limit the number of files parser per scan interval if this box is checked.
- Unchecking this box will limit some informational messages in the event log (see Event tab).
- Event log contains 1 day of events and errors, then deletes those older than a day.

Global File Parsing Settings:

- Event/Error Log File:
  - Log Event/Errors to a Global File
  - Enable File Information Log
  - Retain events/errors for  day(s).
- File Parsing Settings:
  - Limit File Parsing to  files at one time



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