



Client EPO Distribution Server

80000NT11501A Rev. 0 – 2016-08-30

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TECHNICAL
DOCUMENTATION

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APPLICABILITY TABLE

PRODUCTS

- ■ SE868-A
- ■ SE868-AS
- ■ SL871
- ■ SL871-S
- ■ SL869-V2
- ■ SL869-V2S
- ■ SC872-A

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1. INTRODUCTION

1.1. Scope

Scope of this document is to give an overview of the fonts, styles and general structure -- first chapter included -- to use when writing hardware user guides.

1.2. Audience

This document is intended for editors who are about to write or edit documentation for Telit.

1.3. Contact Information, Support

For general contact, technical support services, technical questions and report documentation errors contact Telit Technical Support at:

- TS-EMEA@telit.com
- TS-AMERICAS@telit.com
- TS-APAC@telit.com

Alternatively, use:

<http://www.telit.com/support>

For detailed information about where you can buy the Telit modules or for recommendations on accessories and components visit:

<http://www.telit.com>

Our aim is to make this guide as helpful as possible. Keep us informed of your comments and suggestions for improvements.

Telit appreciates feedback from the users of our information.

1.4. Text Conventions



Danger – This information **MUST** be followed or catastrophic equipment failure or bodily injury may occur.



Caution or Warning – Alerts the user to important points about integrating the module, if these points are not followed, the module and end user equipment may fail or malfunction.



Tip or Information – Provides advice and suggestions that may be useful when integrating the module.

All dates are in ISO 8601 format, i.e. YYYY-MM-DD.

1.5. Related Documents

- [Telit_Jupiter_MT33xx_Host_EPO_Application_Note_r1, 80433NT11385A r1](#)
- [Telit_SGEE-EPO_Application_Note_r2, 80433NT11332A r2](#)

2. SAMPLE CONFIGURATIONS

This document offers sample configuration that will allow you to stage your own SGEE EPO mirror server for the Windows operating system.

2.1.1. Windows Server

While there are many alternatives for retrieving files from an HTTP server on a scheduled basis, in this example we have chosen the GNU open source utility WGET. You may opt to use your own alternative.

This example will use Scheduled Tasks to execute a batch script that will download the extended ephemeris data files from the Telit server and place them on your SGEE EPO mirror server.

2.1.2. About WGET for Windows

GNU WGET is a free network utility to retrieve files from the World Wide Web using HTTP and FTP, the two most widely used Internet protocols. Because WGET supports recursive retrieval of files and directories, it is ideal for setting up your own extended ephemeris mirror.

WGET works exceedingly well on slow or unstable connections and will make repeated retry attempts until the targeted contents are fully retrieved. File retrievals can be time-stamped, thus WGET can see if the remote file has changed since the last retrieval and automatically retrieve it only if it has changed.

WGET also supports proxy servers, which can provide access if your host resides behind a firewall requiring a proxy.

For additional information on the command-line parameters for WGET, please reference the documentation provided along with the WGET installation.

2.1.3. Step 1: Prepare your Web Server/Mirror

Install your preferred version of Windows Server and your preferred web server platform, such as Internet Information Server or Apache web server, to act as your server mirror.

For the purposes of this document, the use of Windows Server 2003 is assumed.

Please make note of the directory that represents the home directory of your mirror web site. By default, this directory is C:\INETPUB\WWWROOT.

2.1.4. Step 2: Download WGET

You can download the installation, documentation and source files for WGET at:

<http://gnuwin32.sourceforge.net/packages/wget.htm>

Please download and install WGET on your SGEE- EPO mirror server.

2.1.5. Step 3: Create the Script

Create a directory to contain the batch file that will execute the download process. In this example, the directory containing the batch file on the mirror server is called C:\SCRIPTS.

Copy the entire contents of the C:\Program Files\GnuWin32\bin directory to the C:\SCRIPTS directory.

In your script directory, create a new file called MIRROR.BAT. Edit the MIRROR.BAT file to contain the following command line, replacing your username and password where seen below, followed by an exit command:

```
C:\scripts>wget http://epo.telit.com -P C:\inetpub\wwwroot -c -m -nH --reject
"index.html" --http-user=[your assigned username] --http-password=[your assigned
password]
```

```
Exit
```

Save this file in the C:\SCRIPTS directory.

2.1.6. Step 4: Test Your Script

You can now test the batch script

If the test was successful, you will see something similar to the image here. Telit only guarantees support for 6h, 1-day, 3-day, 5-day, 7-day, 14-day EPO files.

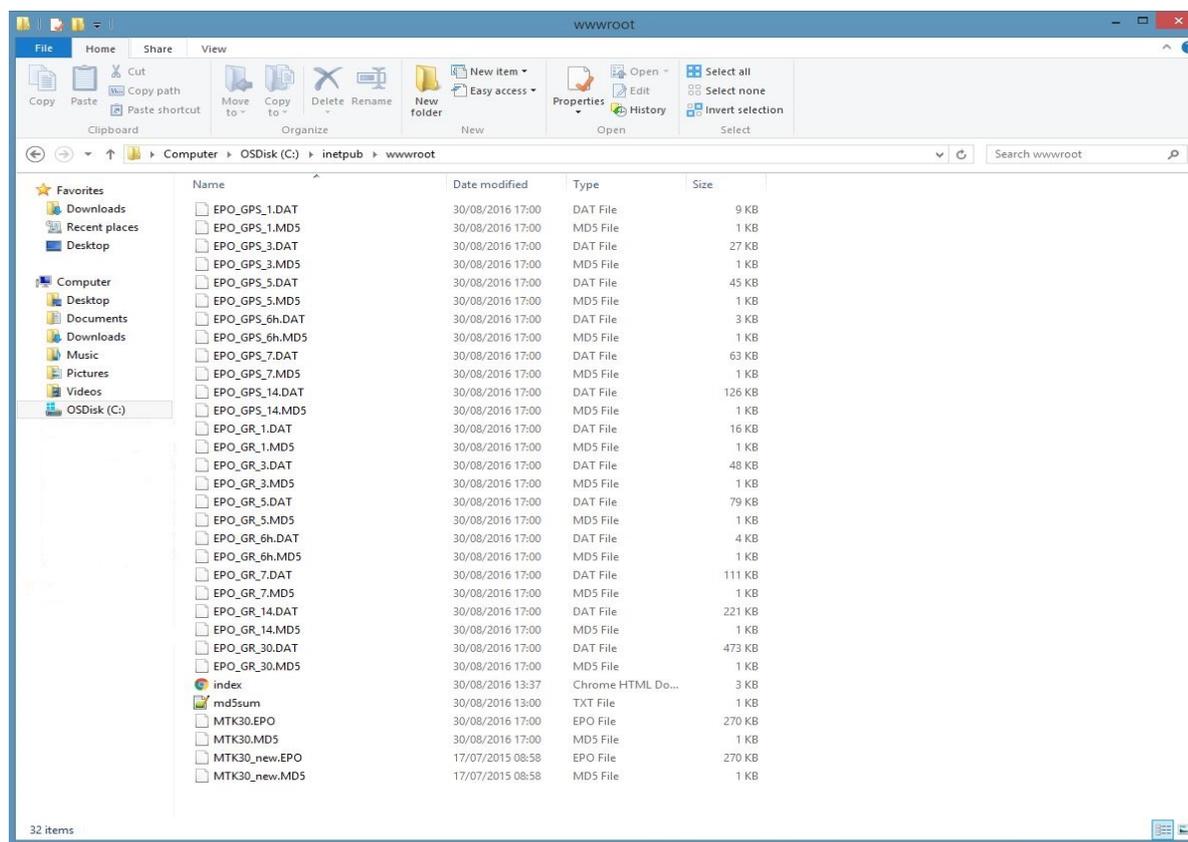


Figure 2 SGEE EPO files on Mirror Server

2.1.7. Step 5: Set Up Scheduled Task

In order to have up-to-date extended ephemeris (EE) files, you should run the script as a background Scheduled Task on your server. In this example, the data files are scheduled to be updated every six hours.

To set up a Scheduled Task, go to Control Panel and select Scheduled Tasks. Then double-click “Add Scheduled Task.”

When prompted, browse to the C:\SCRIPTS\MIRROR.BAT script that was created in section 2.1.4. Then choose the script to run “Daily” at 6:00A.M, every day

When prompted, enter the username and password of the account that should run the task. Note that by selecting “Show multiple schedules,” you can easily add additional times to run this task.

For additional information on setting up Scheduled Tasks for Windows, please see <http://technet.microsoft.com/en-us/library/cc758399.aspx>

3. GLOSSARY AND ACRONYMS

	Description
TTSC	Telit Technical Support Centre
USB	Universal Serial Bus
HS	High Speed
DTE	Data Terminal Equipment
UMTS	Universal Mobile Telecommunication System
WCDMA	Wideband Code Division Multiple Access
HSDPA	High Speed Downlink Packet Access
HSUPA	High Speed Uplink Packet Access
UART	Universal Asynchronous Receiver Transmitter
HSIC	High Speed Inter Chip
SIM	Subscriber Identification Module
SPI	Serial Peripheral Interface
ADC	Analog – Digital Converter
DAC	Digital – Analog Converter
I/O	Input Output
GPIO	General Purpose Input Output
CMOS	Complementary Metal – Oxide Semiconductor
MOSI	Master Output – Slave Input
MISO	Master Input – Slave Output
CLK	Clock
MRDY	Master Ready
SRDY	Slave Ready
CS	Chip Select
RTC	Real Time Clock
PCB	Printed Circuit Board
ESR	Equivalent Series Resistance
VSWR	Voltage Standing Wave Ratio
VNA	Vector Network Analyzer

4. DOCUMENT HISTORY

Revision	Date	Changes
0	2016-08-30	First issue



SUPPORT INQUIRIES

Link to www.telit.com and contact our technical support team for any questions related to technical issues.

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Mod. 0809 2016-08 Rev.7