

Technical Bulletin CS-00-17

How to FTP to/from a SpectraLink 8000 Telephony Gateway



System Affected

SpectraLink 8000 Telephony Gateway

Description

It is possible to ftp software files to the gateway, in order to upgrade/downgrade the gateway and phone firmware. It is also possible to backup the gateway's configuration data. This document describes these processes.

Setup

This document assumes the gateway is already installed and running properly on an Ethernet LAN. You will need a computer on the same network to be able to execute the following processes.

Process

Begin an ftp session to the gateway by opening a DOS window. Proceed to the folder in which you would like to run ftp from. This folder should contain the software files to be loaded, and will also be the destination in which all configuration data will be stored. Type:

```
>ftp [IP Address of Telephony Gateway]
```

Login using your normal login and password for the User and Password prompts:

```
>User ([IP Address]:(none)): admin
```

```
>Password: admin
```

Set the ftp session to binary mode by typing

```
ftp>binary
```

You can then upgrade files that are stored in the gateway by typing

```
>put [gateway file]
```

(Note: It is only possible to put files into the gateway if no calls are active on that gateway. Upgrading a file in the gateway will enable the maintenance lock, and require the gateway to be reset.)

It is also possible to retrieve the configuration file from the gateway if you'd like to create a backup copy.

```
>get [gateway file]
```

A list of valid gateway files and their descriptions follow. (Note: Names of these files must match exactly; otherwise the gateway will not receive or deliver the files.).

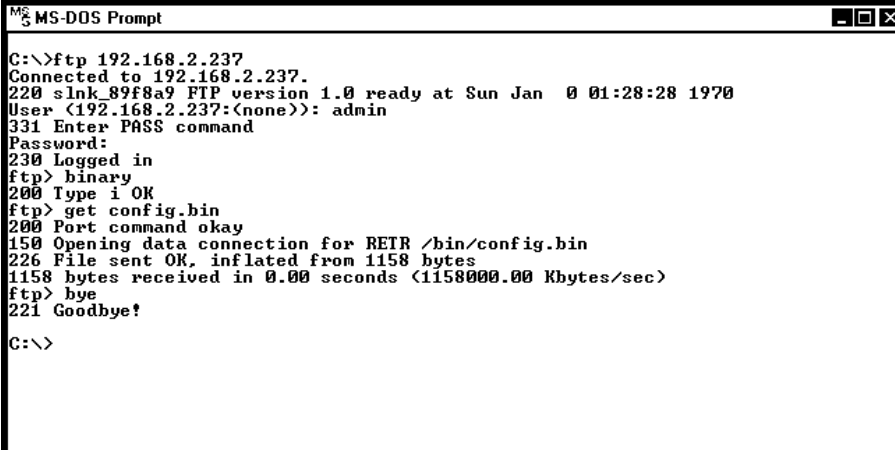
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fnc1a.bin	Functional code for the Telephony Gateway (1 of 2 necessary files needed to upgrade gateway firmware) <i>(Note: This file name was deprecated in version .067)</i>
auxlry.bin	Auxiliary Image for the Telephony Gateway (2 of 2 necessary files needed to upgrade gateway firmware) <i>(Note: This file name was deprecated in version .067)</i>
mog600.bin (oai.bin)	Functional code needed to upgrade OAI firmware <i>(Note: This file was named oai.bin in some versions of Telephony Gateway functional code prior to version .042)</i>
pdt02c.bin	Functional code that can be downloaded over-the-air and used by Direct Sequence Wireless Telephones (DS WTs)
pft02c.bin	Functional code that can be downloaded over-the-air and used by Frequency Hopping Wireless Telephones (FH WTs)
phintl.bin	International Image that can be downloaded over-the-air to allow phones to conform to various International Standards <i>(Note: This file is referenced by DS and FH WTs, and must be upgraded appropriately if any WT phone code is changed.)</i>
config.bin	A complete file of all configuration data (MAC Addresses, Names, Extensions, Macros, etc.) stored in the gateway (Note: This is the only file that can be put & get from the gateway.)
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tgx150a.bin	Functional code for the Telephony Gateway (1 of 2 necessary files needed to upgrade gateway firmware)
tgx150b.bin	Secondary code image for the Telephony Gateway (2 of 2 necessary files needed to upgrade gateway firmware)
mog700.bin	Functional code needed to upgrade OAI firmware.

Example: The following example shows how to backup a gateway's configuration.



```

MS-DOS Prompt
C:\>ftp 192.168.2.237
Connected to 192.168.2.237.
220 slnk_89f8a9 FTP version 1.0 ready at Sun Jan  0 01:28:28 1970
User (192.168.2.237:(none)): admin
331 Enter PASS command
Password:
230 Logged in
ftp> binary
200 Type i OK
ftp> get config.bin
200 Port command okay
150 Opening data connection for RETR /bin/config.bin
226 File sent OK, inflated from 1158 bytes
1158 bytes received in 0.00 seconds (1158000.00 Kbytes/sec)
ftp> bye
221 Goodbye!
C:\>

```

Additional Notes

All files retrieved from the gateway or needed to place into the gateway should be found in the folder in which the user begins the ftp session. For multiple gateway systems, all upgradeable files must match exactly.