

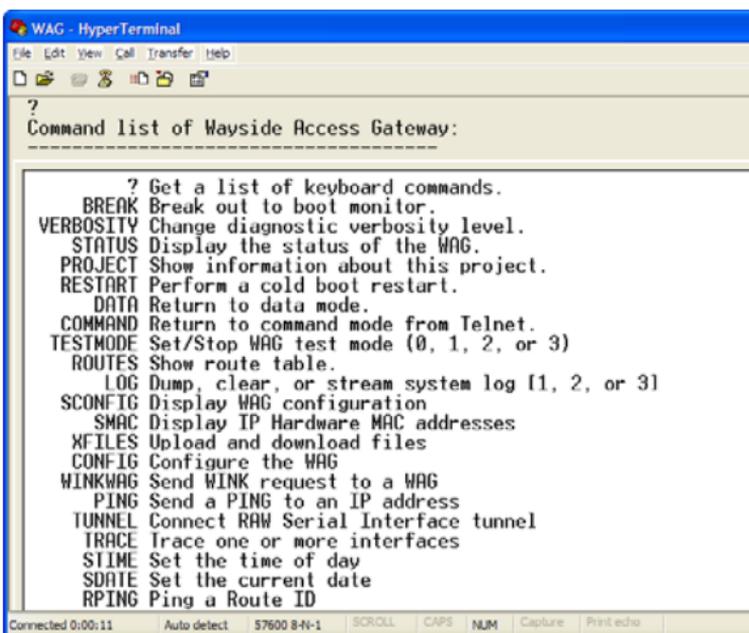
# SIEMENS

## QUICK REFERENCE GUIDE WAG CONFIGURATION

Document No. SIG-QG-08-04-003A.1

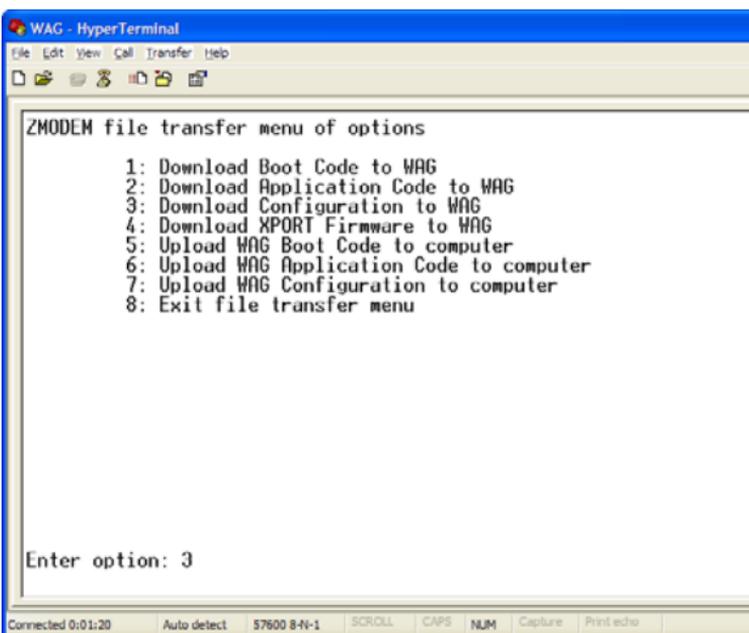
### WAG – Downloading Configurations

- 1) Connect PC to the Siemens WAG using a 9-pin to 25-pin serial cable with a null modem adaptor.
- 2) Set up HyperTerminal as described in SIG-QG-08-04-001.
- 3) Type ? on the HyperTerminal screen to display the WAG menu.



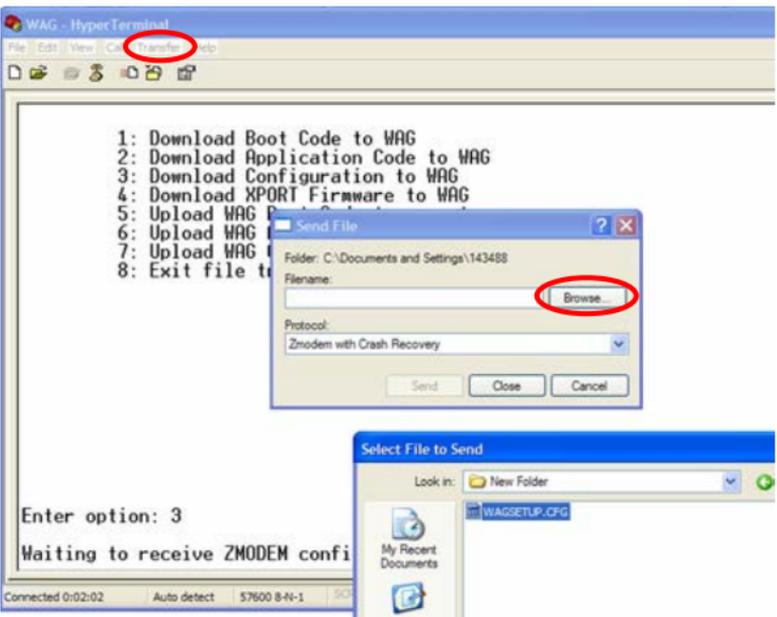
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WAG - HyperTerminal
?
Command list of Wayside Access Gateway:
-----
? Get a list of keyboard commands.
BREAK Break out to boot monitor.
VERBOSITY Change diagnostic verbosity level.
STATUS Display the status of the WAG.
PROJECT Show information about this project.
RESTART Perform a cold boot restart.
DATA Return to data mode.
COMMAND Return to command mode from Telnet.
TESTMODE Set/Stop WAG test mode (0, 1, 2, or 3)
ROUTES Show route table.
LOG Dump, clear, or stream system log [1, 2, or 3]
SCONFIG Display WAG configuration
SMAC Display IP Hardware MAC addresses
XFILES Upload and download files
CONFIG Configure the WAG
WINKWAG Send WINK request to a WAG
PING Send a PING to an IP address
TUNNEL Connect RAW Serial Interface tunnel
TRACE Trace one or more interfaces
STIME Set the time of day
SDATE Set the current date
RPING Ping a Route ID
Connected 0:00:11 Auto detect 57600 8-N-1 SCROLL CAPS NUM Capture Print echo
```

- 4) Type **XFILES**.



```
WAG - HyperTerminal
ZMODEM file transfer menu of options
1: Download Boot Code to WAG
2: Download Application Code to WAG
3: Download Configuration to WAG
4: Download XPORT Firmware to WAG
5: Upload WAG Boot Code to computer
6: Upload WAG Application Code to computer
7: Upload WAG Configuration to computer
8: Exit file transfer menu
Enter option: 3
Connected 0:01:20 Auto detect 57600 8-N-1 SCROLL CAPS NUM Capture Print echo
```

- 5) Select option 3 – **Download Configuration to WAG**.



- 6) On the HyperTerminal screen select the **Transfer** menu then select **Send file**. On the Send File window use the **Browse** button to locate the .CFG file.

**Note:** The WAG will sometimes time out and the user will have to re-do these steps.

- 7) Reset the WAG by cycling power to the unit.

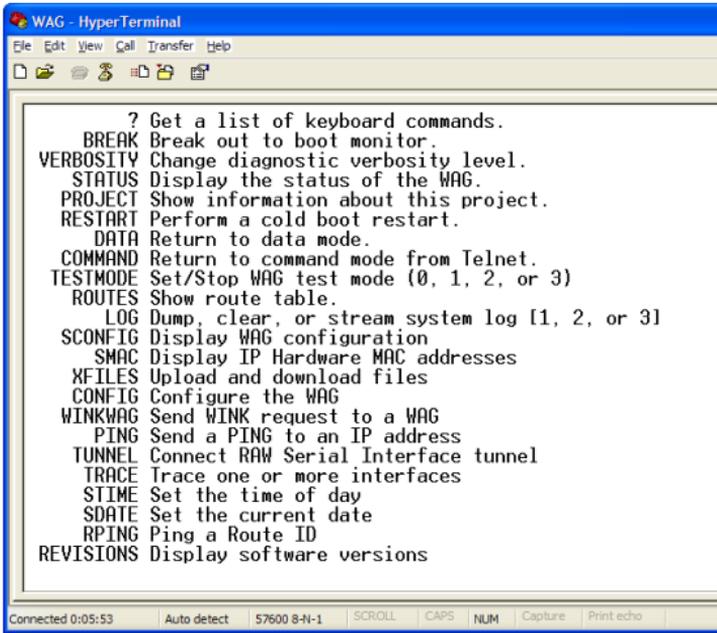
**Note:** Following download of the new WAG configuration, the serial port settings in HyperTerminal may need to be changed to be compatible with the new J1 port settings on the WAG.

The new WAG configuration setting for J1 must also be set for RS232 protocol before attempting to access the WAG using HyperTerminal. If HyperTerminal cannot connect to the WAG, select option 7 from the Boot Options menu on the HyperTerminal screen to set the WAG to RS232.

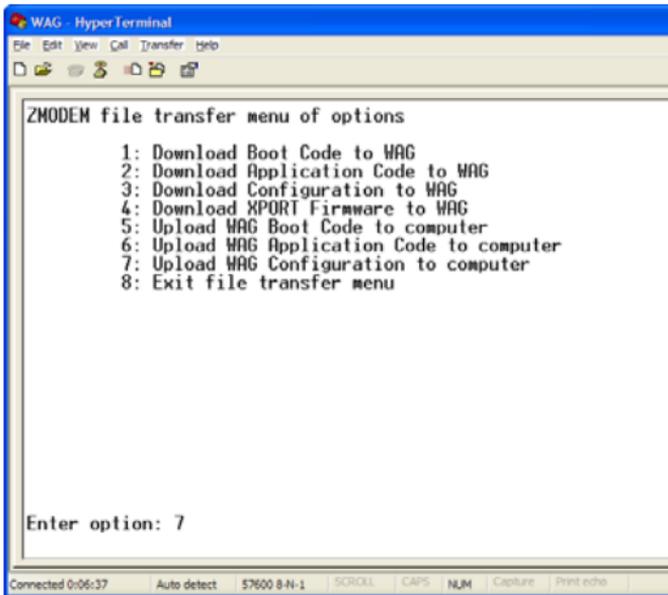
- 8) On the HyperTerminal screen, type **?** and use the **SDATE** and **STIME** commands to enter in the date and time.

# WAG – Uploading Configurations

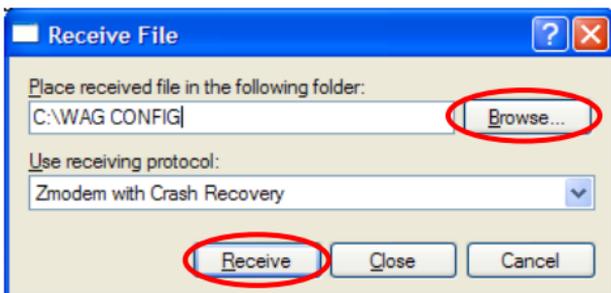
- 1) To upload the configuration from the WAG, set up HyperTerminal as described in SIG-QG-08-04-001.
- 2) Type ? on the HyperTerminal screen.



- 3) Type **XFILES**
- 4) Select option 7 – **Upload WAG Configuration to computer.**



- 5) On the HyperTerminal **Transfer** menu select **Receive file.**
- 6) Using the **Browse** button, navigate to an appropriate folder on the computer and then click the **Receive** button:



# WAG – Downloading Executive

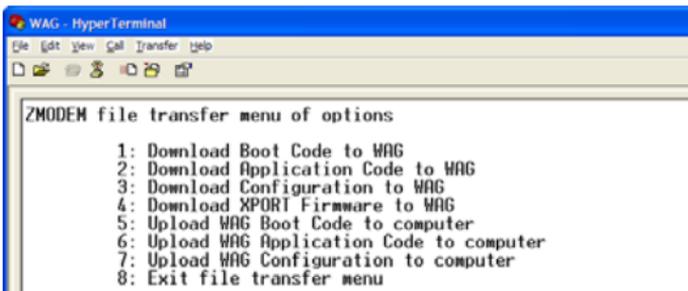
There are four files associated with executive downloads. These are:

- ❑ **WAGBOOT\_x.WAG**, where x is the version letter or number (this is the BOOT software)
- ❑ **WAGEXEC\_x.BIN**, where x is the version letter (this is the EXECUTIVE software).
- ❑ **XILWAG.BIN** (this is the XILINX software)
- ❑ **XPTEx.ROM** (this is the XPORT software)

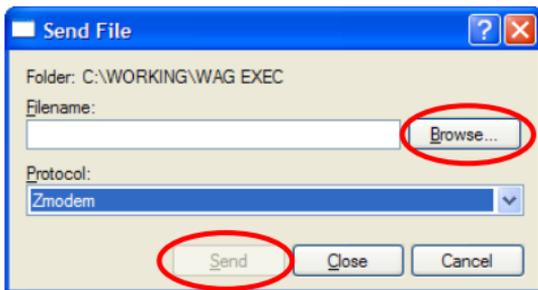
Download these files as needed using the appropriate procedure provided below. Multiple files may be downloaded before restarting the WAG.

## To download WAGBOOT\_x.WAG:

- 1) Connect to the WAG using HyperTerminal.
- 2) Type **XFILES**.
- 3) Select option 1 to **Download Boot Code to WAG**.



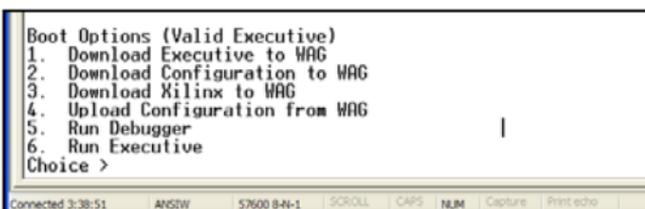
- 4) On the HyperTerminal **Transfer** menu select **Send file**.
- 5) Use the **Browse** button to locate the file. Select the file and the ZMODEM protocol.
- 6) Click the **Send** button.



- 7) Press **Enter** when complete.
- 8) Reset the WAG by cycling power to the unit.

## To download WAGEXEC\_x.BIN:

- 1) Connect to the WAG using HyperTerminal.
- 2) Type **XFILES**.
- 3) Select option 1 from the Boot Options menu on the HyperTerminal screen to download the executive (within 5 seconds).



- 4) On the HyperTerminal **Transfer** menu select **Send file**.
- 5) Use the **Browse** button to locate the file. Select the file and the **ZMODEM** protocol.
- 6) Click the **Send** button.
- 9) Reset the WAG by cycling power to the unit.

#### To download XILWAG.BIN:

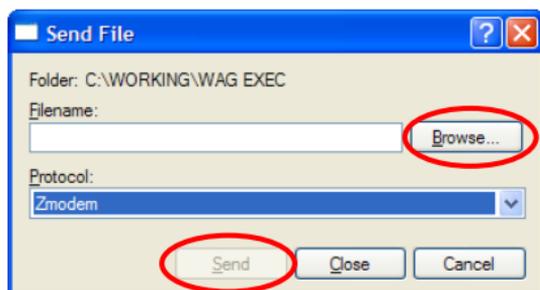
- 1) Connect to the WAG using HyperTerminal.
- 2) Type **XFILES**.
- 3) Select option 3 from the Boot Options menu on the HyperTerminal screen to download the XILINX software (within 5 seconds).

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Boot Options (Valid Executive)
1. Download Executive to WAG
2. Download Configuration to WAG
3. Download Xilinx to WAG
4. Upload Configuration from WAG
5. Run Debugger
6. Run Executive
Choice >

```

- 4) On the HyperTerminal **Transfer** menu select **Send file**.
- 5) Use the **Browse** button to locate the file. Select the file and the ZMODEM protocol.
- 6) Click the **Send** button.



- 7) Reset the WAG by cycling power to the unit.

#### To download XPTEX.ROM:

- 7) On the HyperTerminal screen.
- 8) Type **XFILES**.
- 9) Select option 4 on the HyperTerminal screen to download the XPORT software.
- 8) On the HyperTerminal **Transfer** menu select **Send file**.
- 9) Use the **Browse** button to locate the file. Select the file and the ZMODEM protocol.
- 10) Click the **Send** button.
- 11) Reset the WAG by cycling power to the unit.

**Note:** After loading any new software to the WAG, it is a good idea to verify that the correct software level is installed. From the HyperTerminal command line, type REVISIONS to view the currently loaded software levels.