

# Converting and Downloading Static Web Pages

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## *Help Guide*

The Precidia unit comes loaded with a default static Web page that includes specifications and product information. You can replace this default page with a custom page or pages. You must create the pages, convert them to a .hex file using Webconvert, and download the file to the Precidia unit. Type **http://IPAddressOfUnit/** in the address bar of your Web browser to access the default or main page.

### Creating Static Web Pages

- You can create one or more HTML pages that display any information, including graphics, that you require.
- You can name your main page whatever you like, but the Precidia unit looks for a page called “index.html” as the default page to display.
- You can also create a page called “Error404.html” to display a custom message when a requested URL is not found.
- A maximum of 64KB is allocated in memory for static web page(s).
- Before downloading pages to the Precidia unit you must convert them into a .hex file using the Precidia program *Webconvert*. Contact Precidia to obtain this free program.

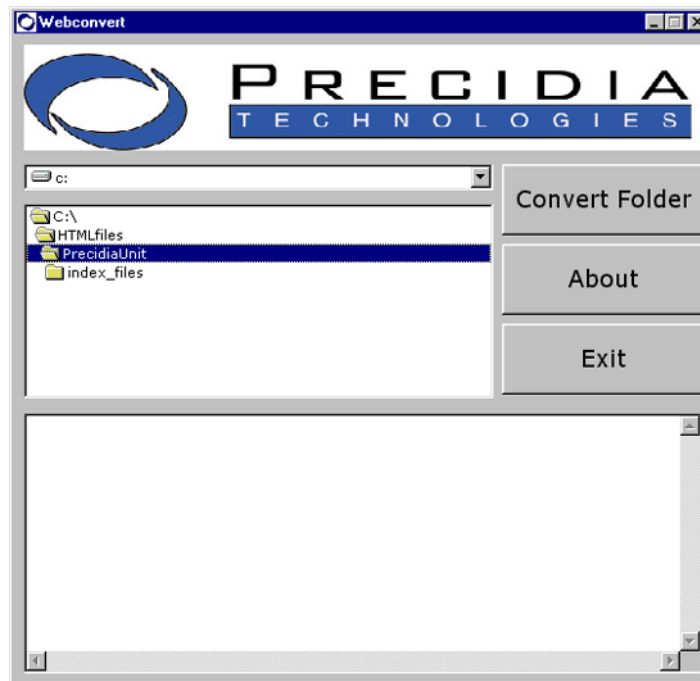
### Using Webconvert

Webconvert is a Windows™ program created by Precidia to convert HTML Web pages and associated files into a .hex file for download.

You select a source directory and a location to store the converted file. Webconvert traverses the source directory and all sub-directories and removes the directory path from the converted filename or sub-directory. For example, C:\BaseDir\index.htm becomes index.htm and C:\BaseDir\SubDir\pic1.jpg becomes SubDir\pic1.jpg.


Webconvert handles the following file extensions: .au, .jpeg, .jpg, .gif, .htm, .html, .mov, .mp3, .mpeg, .mpg, .png, .ps, .swf, .tif, .tiff, .zip, and .wav. Webconvert will ignore any CVS folders and the file extensions \*.bak, \*.~, \*.hex, and \*.cvsignore. Webconvert converts all other files using the "plain/text" mime type.

- 1 Download the Webconvert.exe file obtained from Precidia and place it on your Desktop or in the folder of your choice.
- 2 Double-click the **Webconvert.exe** file to open the program.  
The Webconvert window appears, as shown below.



- 3 Double-click the **folder icons** until the folder you want to convert is displayed as open.

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**NOTE:** Webconvert converts all files in the **last** folder displayed as open , **not** the highlighted folder.

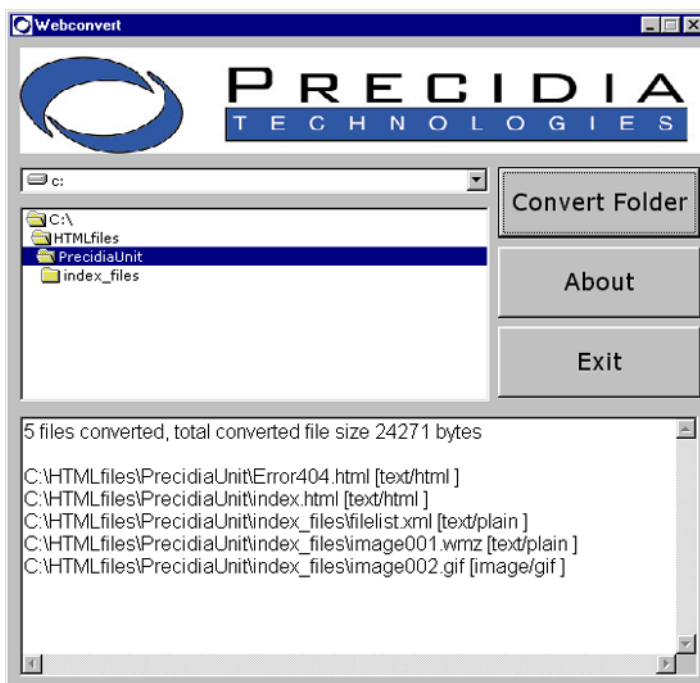
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- 4 Click **Convert Folder**.

The Save Converted File dialog box appears.

- 5 Name the file (default name is webdata.hex), navigate to the folder in which you want to save it, and click **Save**.

Webconvert converts the files and displays a log of all the converted files, as shown below.



- 6 Click **Exit** to close Webconvert.

The following log messages appear at the end of the file names in the Webconvert window after conversion.

#### Webconvert Log Messages

Message	Description
[ <i>type/format</i> ]	The file was successfully converted.
[Ignored]	The file was ignored because it is not a Web file.
[Folder Ignored]	The folder was ignored because it is a backup folder.
No Web Files Found!	No Web files were found to convert.
Total Converted Data size is greater than 64 KB	The Precidia unit has a maximum of 64 kB of memory to store Web pages. A download file (.hex) is not created.

## Using Web Page Download

Web Page Download allows you to upgrade the static Web pages stored in the Precidia unit. You can access Web Page Download in the System Settings menu of the Configuration screen, either locally or via telnet.

You can access Static Web pages from any browser by entering the URL with the IP address of the unit. By default, your browser is directed to "index.html". To access a page with another file name, type the complete URL in the address bar of your browser. For example, to access a page called "mypage.html", type **http://IPAddressOfUnit/mypage.html**.

### Web Page Download Through the COM Port (Local)

- 1 Convert your HTML pages and associated files into a .hex file using Webconvert.
- 2 Choose **System Settings** from the Device Settings menu.
- 3 Choose **Web Page Download** from the System Settings sub-menu.  
The Web page download confirmation message appears.
- 4 Type **y** to continue, or **n** to return to the Configuration screen.  
You are asked if you would like to change your terminal software settings to speed up the download.
- 5 Type **y** if you will change your settings to 38400 bps, or **n** to continue the download at 9600 bps and skip to step 7.

You are prompted to change your terminal settings, as shown below.

Please change your terminal program to run at 38400 bps, 8 bits, no parity, with hardware (RTS/CTS) handshaking and hit <return>:
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#### Changing Settings to Speed Up the Download

- 6 Change your terminal software settings.
  - For HyperTerminal:
    - 1 From the File menu, choose **Properties**.
    - 2 In the Properties dialog box, click the **Configure** button.
    - 3 Change the bps to 38400, the Flow Control to Hardware, and other settings as required.
    - 4 Click OK.
    - 5 From the Call menu, select Disconnect, then select Call. (This resets the terminal with the new settings.)

- For Procomm Plus:
  - 1 From the Options menu, choose **System Options>Modem Connections...**
  - 2 Click the **Modem/Connections Properties** button.
  - 3 Change the baud rate to 38400, check the Use hardware flow control button, and change other settings as required.
  - 4 Click **OK** to close the Modem/Connections dialog box.
  - 5 Click **OK** to close the Setup dialog box.

**7** Press **Enter**.

The old Web pages are deleted and you are prompted to begin the download, as shown below.

Erasing previous web pages... done  
Begin download now...

**Beginning the Download**

**8** Download the file to the Precidia unit.

- For HyperTerminal:
  - 1 From the **Transfer** menu, select **Send Text File**.
  - 2 Select the .hex file you created with Webconvert and click **Open**.

- For Procomm Plus
  - 1 From the **Data** menu, select **Send File**.
  - 2 Select the .hex file you created with Webconvert and click **Open**.

The download begins. Dots appear as bytes of code are written into memory, and the Download Successful message appears when the download is complete, as shown below.

```

Addr  Progress  (1kB/char, 64kB/line)
====  =====
. 0k  .....
```

Download successful!  
Please hit <return>:

**Download Complete**

- 9** Press **Enter**.

If you downloaded the file at 38400 bps, you are prompted to change your terminal settings back to 9600 bps.

- 10** Change your terminal settings if necessary and press **Enter**.

The Configuration screen appears. You can view your new page by typing **http://IPAddressOfUnit/** in the address bar of your browser.

**Web Page Download Using Telnet (Remote)**

This option is available once you have set a Remote Password locally in the Security Settings menu. In addition, you must also have a TFTP client to download remotely to the Precidia device.

- 1** Convert your HTML pages and associated files into a .hex file using *Webconvert*.
- 2** Telnet into the Precidia unit.
- 3** Choose **System Settings** from the Device Settings menu.  
The System Settings sub-menu appears.
- 4** Choose **Web Page Download** from the System Settings sub-menu.  
The Web page download confirmation message appears, as shown below.

```

The web page download utility is for upgrading the web pages internal to
this device. Are you sure this is what you wish to do? (y/n)
```

- 5 Press **y** to continue, or **n** to return to the Configuration screen.

Pressing **y** puts the Precidia unit into download mode and the telnet session closes automatically. The following instructions appear:

Network downloads are done via the TFTP protocol. Connect to this same address and do "put <local-hex-file-name> <password>". The download must be started within 60 seconds or this device will reset and resume normal operations.

- 6 Run the TFTP program.
- 7 Configure the parameters required to transfer the software download hex file from the PC to the Precidia unit. You need:
  - the IP address of the Precidia unit
  - the full directory path and name of the .hex file
  - the Remote Password programmed in the Precidia unit
  - to de-select the Match Files option if your TFTP program has one

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**NOTE:** *The file may be downloaded as either an ASCII or binary file.*

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- 8 In the TFTP client, click the appropriate button to start the file transfer download. If the download is proceeding correctly, a status bar or some other device on the screen should indicate the progress.

The Configuration screen appears when the download is complete.

- 9 Exit the TFTP client program.

**Webconvert Terms of Use**

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