



## TN0005 User Interface Customization Options

TN0005 22 August, 2007

### Purpose:

This TechNote describes the options available to customize the User Interfaces on the Series 4100, 4200, and 4300 SkyRouter. The ability to customize the User Interface was introduced in release 1.07. Earlier releases will not support this feature.

### Before You Start:

**Warning** – Upgrading firmware (cold start) on a SkyRouter will restore its User Interface (UI) appearance to the factory defaults. It is recommended that you maintain a copy of any changes you make on a separate computer.

**Note** – It may be necessary to flush your browser's cache to see the effect of any changes you have made. Some changes, especially images remain persistent in cache for a period of time.

### Configuration File Location

There are two files involved in the appearance of the UI. The files are **Cgi\_Logo.gif** and **cgi.conf**. Both files are located in the directory **/etc/conf.d**. Cgi\_Logo.gif is an image file of type Graphics Interchange Format (gif) and cgi.conf is a text file. You may need to change the suffix on cgi.conf on your development system in order to use a text editor on cgi.conf. However, these file names must be restored exactly when the files are placed on the SkyRouter. To view the files on the SkyRouter use the Telnet command. To copy files between the SkyRouter and another system use FTP. The user ID for both is **root** and the password is **pass**.

### The Image Files (Cgi\_Logo.gif, Cgi\_Button.gif and favicon.ico)

The image files should be as light weight (small) as possible to maximize screen-painting performance over the wireless interface. In most cases Ctek recommends that the files be less than 2000 bytes. The logo image is scaled by the screens HTML and appears in two sizes, the larger on the login and top-level menu screens and slightly smaller on administrative screens. Cgi\_Button.gif is used to display the buttons if the Advertising (Splash) screen is used.

Favicon.ico is a special image file used to display a logo on the browser's address bar and to add identity to saved "favorites" or "bookmarks". It must be created with an Icon tool and must be 16X16 pixels.

### The Configuration File (cgi.conf)

The cgi.conf file contains the following parameters.

```
HEADER_CLR="red"  
TEXT_CLR="gray"
```



## TN0005 User Interface Customization Options

TN0005 22 August, 2007

```
PAGE_CLR="white"  
TABLE_CLR="#f5f5f5"  
BORDER_CLR="gray"  
FONT_SEL="arial"  
IMAGE_WDT_L="80"  
IMAGE_HGT_L="80"  
IMAGE_WDT_S="70"  
IMAGE_HGT_S="70"  
IMAGE_TBL="20"  
TEXT_TBL="80"  
TITLE_TXT="Ctek SkyRouter"  
HEADER_TXT="Series 4100 SkyRouter"  
WEB_LNK="http://www.ctekproducts.com"  
WEB_TXT="Ctek Website"  
WEB_CLR="red"
```

Parameters used to set the color of various objects may either be set using HTML literals (red, gray, etc) or by using the numeric representation of the desired color, i.e. #f5f5f5.

### Application of cgi.conf parameters

The UI parameters found in cgi.conf are used as follows:

HEADER\_CLR= – equates to the HTML directive color= as applied to text not contained in a visible table.  
TEXT\_CLR= equates to the HTML directive color= as applied to text contained within a table  
PAGE\_CLR= equates to the HTML directive BGCOLOR= in the documents body statement  
TABLE\_CLR= equates to the HTML directive bgcolor= within the table definitions  
BORDER\_CLR= equates to the HTML directive bordercolor= within the table definitions  
FONT\_SEL= equates to the HTML directive font face =  
TITLE\_TXT= equates to the HTML directive <title> that is found in the head of a page  
HEADER\_TXT= sets the large font text found at the top of the login and menu page  
WEB\_LNK= sets the web link (HREF=) for both the logo gif and the web link at the bottom of the page  
WEB\_TXT= sets the text associated with the web link at the bottom of the page  
WEB\_CLR= equates to the HTML directive LINK=. Sets the color of the web link at the bottom of the page

The logo image parameters may require some amount of trial and error to find a balance between the size of the image and the amount (%) of table space allocated to that image.

IMAGE\_WDT\_L= Width of large image in pixels  
IMAGE\_HGT\_L= Height of large image in pixels  
IMAGE\_WDT\_S= Width of small image in pixels  
IMAGE\_HGT\_S= Height of small image in pixels  
IMAGE\_TBL= Amount of table allocated to the image as a percent  
TEXT\_TBL= Amount of table allocated to the text as a percent



## **TN0005 User Interface Customization Options**

**TN0005 22 August, 2007**