SCANTECH ID

Scantech ID Shuttle^c SG-15^{colour}

Price Checker

Highlight: Web Price Checker Application

SG-15Colour Web Price Checker Application Configuration V1.1.doc

Web Price Checker

1.3.3

Start Page	file:///apps/config/skweb_welcome.{@SKTYPE}.html
Welcome Page	file:///apps/config/skweb_welcome.{@SKTYPE}.html
Welcome Timer	10
Query Url	http://www.i-rk.nl/SG-15ColourDemoWebPriceChecker/{@BARCODE}
Error Page	file:///apps/config/skweb_error.{@SKTYPE}.html
Allow URL barcodes	On

Accepts

1D Barcodes	On
2D Barcodes	Off
RFID Tags	Off
Others	Off

Verify Server Certificate	On
Enable Javascript	On

Apply Cancel

Chapter 5.7 Web Price Checker

Introduction

The web based price-checker uses a web-kit library to setup a browser-like connection to an http server. When an EAN barcode is scanned, the SG-15^{Colour} will send the scanned data as an HTTP request to a web server. The web server is responsible for generating the HTML page with Article/Price/Picture content, which is sent to the SG-15^{Colour}. The web-kit utility executing on the SG-15^{Colour} will interpret and show the content on the display.

1.   Start Page

Default, the URL of the **Start** Page and **Welcome** Page are defined as HTML files residing on the SG-15^{Colour}. The **Start** page is only displayed at start-up of the Web-Price-Checker application. Having these files local on the SG-15 guarantees that the SG-15 starts with a non-empty page (even if the web-server is temporary out of service). For making the SG-15^{Colour} refer to the **Start** and **Welcome** page belonging to the web server demo, change the URLs to
http://192.137.81.60/auth/skweb_start.html and
http://192.137.81.60/auth/skweb_welcome.html

2.   Welcome Page

The welcome page shown in between barcode scans when the SG-15^{Colour} is in idle state. The URL may refer to a local file or to an external (web) server.

3.   Welcome Timer

After a product scan action and a successful article look-up, the server replies with an article description, price etc. This information is displayed on the screen for the number of seconds specified in the **Welcome Timer** field. When this timer times out, the SK enters an idle state and normally it will re-display the Welcome Message, but it is also possible to let the **PromoTool** application take over the display from the **Price-Checker**. For this the **skpromo** needs to run simultaneously with **skpricechecker**, see page **DeskTop Configurator**.

4.   Error Page
The Error Page URL is an option to specify a customized error message.

5. Query URL

For every barcode scan, the SK must send a query URL with the requested barcode information to the web-server.
The Web-Price-Checker uses tag-variables in the URL for this, like for example:

http://192.137.81.60/auth/tbl_products/scan/{@BARCODE}/{@SKTYPE}

When scanning an EAN13 barcode **5029053021454** on a SK-50, the URL request with variables, *{@SKTYPE}* and *{@BARCODE}* will be reformatted and send to the web server as:

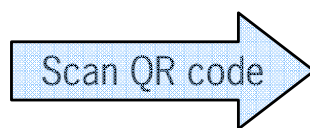*http://192.137.81.60/auth/tbl_products/scan/**5029053021454/SG15***

Note that the sequence of the variables *{@BARCODE}* and *{@SKTYPE}* in the specified URL, is one to one related with the search path on the web server.

6. Allow URL barcodes

This feature is useful for scanning 2D-barcodes on products or leaflets with 2D-barcodes that represent a URL referring directly to a site on the internet or intranet. When this feature is ON and your SG-15^{Colour} is equipped with a 2D-scanengine, then scanning the QR-code here below will show the following response on the display:

QR-code with URL
http://www.scantech-id.com/en/products/list.php?pin=3aa3cded3eacb975929df79009da68fd&type=s

Scan QR code

Notes:

1. This requires the following settings:
   i.   Allow URL barcodes   =   ON
   ii. 2D barcodes   =   ON
   iii. The SK is equipped with 2D scan-engine.
2. DNS must be activated on SK
   (i.e. DHCP service is responsible for providing a name server).

7. URL tag-variables recognized by the URL parser

Tags according {@...}	Description:	Required:
BARCODE	Barcode as read by scan-engine (without identifiers)	Mandatory
SKTYPE	Type of ScanKiosk: SK40, SK50 or SG-15^{Colour}	Optional
WIDTH	Pixel width of the skweb-screen	Optional
HEIGHT	Pixel height of the skweb-screen	Optional
ID	Label Identifier for barcode symbologies	Optional[*1]

[*1] For now, any scanned item is sent without identifier.

Notes

1. The web server is responsible for generating a web page response that fits on the SG-15^{Colour} display (320X240). Side scroll-bars will appear on the display when the page is larger than the actual display.

2. The default template files *skweb_start.html* and *skweb_welcome.html* are displayed correctly on an SG-15^{Colour}.

3. To leave the Web-Price-Checker application, you need to scan the special barcode (Close Application and Go to Desktop) in Appendix N.

4. New configuration settings become effective only after a restart of Web Price Checker.

5. On request, Scantech-ID provides an open source **Web Server Demo** application XAMPP that installs on a standard PC/Laptop, running Windows or Linux. This demo application contains a small SQL-database which is accessed through an Apache web server. This demo application contains a small database which can be used for web price-checking and web promotion (simultaneously).