



# WebUI development and User Guide

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## Table of Contents

<b>1</b>	<b>About This Document .....</b>	<b>5</b>
1.1	Purpose.....	5
<b>2</b>	<b>OverView.....</b>	<b>6</b>
2.1	Introduction.....	6
2.2	Web page layout.....	6
2.3	Communication with server .....	6
<b>3</b>	<b>Modules Introduce.....</b>	<b>7</b>
3.1	Login Page .....	7
3.2	Dashboard.....	7
3.3	Internet.....	7
3.4	Home Network.....	7
3.5	SMS .....	7
3.6	Phonebook .....	7
3.7	Wireless .....	7
3.8	Router .....	7
<b>4</b>	<b>User's Customization .....</b>	<b>8</b>
4.1	LOG and Icon .....	8
4.2	Customize module .....	8
4.3	Text Label.....	8
<b>5</b>	<b>Appendix.....</b>	<b>9</b>
5.1	Report issues.....	9
5.2	Update this document .....	9
5.3	Revision History.....	10

## List of Tables

Table 1: Abbreviations and Acronyms ..... **Error! Bookmark not defined.**

## List of Figures

# 1 About This Document

## 1.1 Purpose

The document introduces each module function simply and how to customize webui for customer.

## 2 Overview

### 2.1 Introduction

WebUI is a client programmer and provide router configuration interface for end user, it is developed based on JavaScript, html, css , jQuery library and some jQuery plugin. WebUI supports most all of the major browsers, supports English and Chinese two language in current and can be extended easily to support more languages for different customers.

### 2.2 Web page layout

WebUI uses navigation menu and submenu form for overall layout, and access different module page through submenu, every module page interacts with a html file and javaScript file. Html file is in charge of page layout and javaScript file response user operation. This design pattern is easily for customer secondary development.

### 2.3 Communication with server

WebUI used xml data format to communicates with server side, use object name to distinguish server and mothed name to specify interface with the specific server.

WebUI use ajax synchronization mechanism to interacts with server, send user setting information to server and wait until server response xml data, and then parse the xml data from the server end to refresh web page

## 3 Modules Introduce

### 3.1 Login Page

the default IP address is “192.168.1.1”, the default user name and password are both “admin”.

Login page also provide language switch listbox to choose show language.

### 3.2 Dashboard

Show basic configuration information, click panel area can enter into corresponding module page for detailed settings.

### 3.3 Internet

Internet module contains four sub-module: Internet Connection to set PDP and network mode, Manual Network to scan and select network manually, Pin and MEP sub-module to set PIN/PUK/MEP.

### 3.4 Home Network

Internet module contains four sub-module: “DHCP” to set LAN, DHCP and static IP; “Network Activity” show network log information; “Device Management” manage current connection device and show device connection history information; “Traffic Management” manages data traffic and statistic traffic used information.

### 3.5 SMS

SMS module contains “Local Inbox”, “SIM Inbox”, “Outbox”, “Drafts” and “SMS settings”.

### 3.6 Phonebook

The module can save contact information to Sim card and device, and also delete/move/copy contact information.

### 3.7 Wireless

Wireless contains wireless basic setting, secure setting, mac filter and firewall settings. Wireless settings supports RF band and channel switch; firewall supports IP address filter, port mapping, port trigger, DMZ and DN filter.

### 3.8 Router

Router contains multiple sub-module: “User Management” can poweroff/reboot router and restore factory settings; “Account Management” can add/delete account; “Software upgrade” is responsible for OTA; “Configuration Management” backup config file and update it. “Time Setting” sets router time zone and time; “WebDav” manage SD card and file.

## 4 User's Customization

### 4.1 LOG and Icon

Please use new picture to replace the older in `www\images` folder if you want to change Log and icon. It is better if the new picture have the same pixel with the older.

### 4.2 Customize module

Ui.xml file control navigation menu and sub-menus. The xml tree describe the level of menu to display. "Name" property list modules included in Navigation menu , "type" property shows if the submenu is exist or not, "malfunction" give the js function name, "Menu" property describe information of submenu.

Tab node describe navigation menu, "Name" is module name, "type" attribute indicates whether sub-menus exist or not, "submenuabsent" means the navigation menu don't contains sub-menu, for example dashboard page; and "submenupresent" means it contains submenus; "implFunction" indicates javaScrip object to interact with the module.

Menu node describe submenus and have attributes "id", "type" and "implFunction". "id" is similar with "name" to indicate submenu name, the submenu contains three level sub-menus if type attribute is "submenupresent" .

### 4.3 Text Label

Please modify `Messages_cn.properties` and `Messages_en.properties` file if you want to change page show text. The two file defined all text according to element id.

You can add new .properties file to support new language.



# 5 Appendix

## 5.1 Report issues

Please send email to [yzhuang@marvell.com](mailto:yzhuang@marvell.com) with "Marvell WebUI Issue Report: ..." title.

Or visit Marvell webs: <http://support.marvell.com>.

Or submit an issue at CQ web: <http://sh2-cq01.marvell.com/cqweb/login>.

## 5.2 Update this document

Please send updated document to [yzhuang@marvell.com](mailto:yzhuang@marvell.com) with "Marvell WebUI document update: ..." title for merging, and you will receive merged latest version.

## 5.3 Revision History

Table 6.1: Revision History

Document No and Revision	Author	Description	Date
0.1	llzhou	The initial version	07/17/2015
0.2			
0.3			
0.4			
1.0			
1.1			



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