

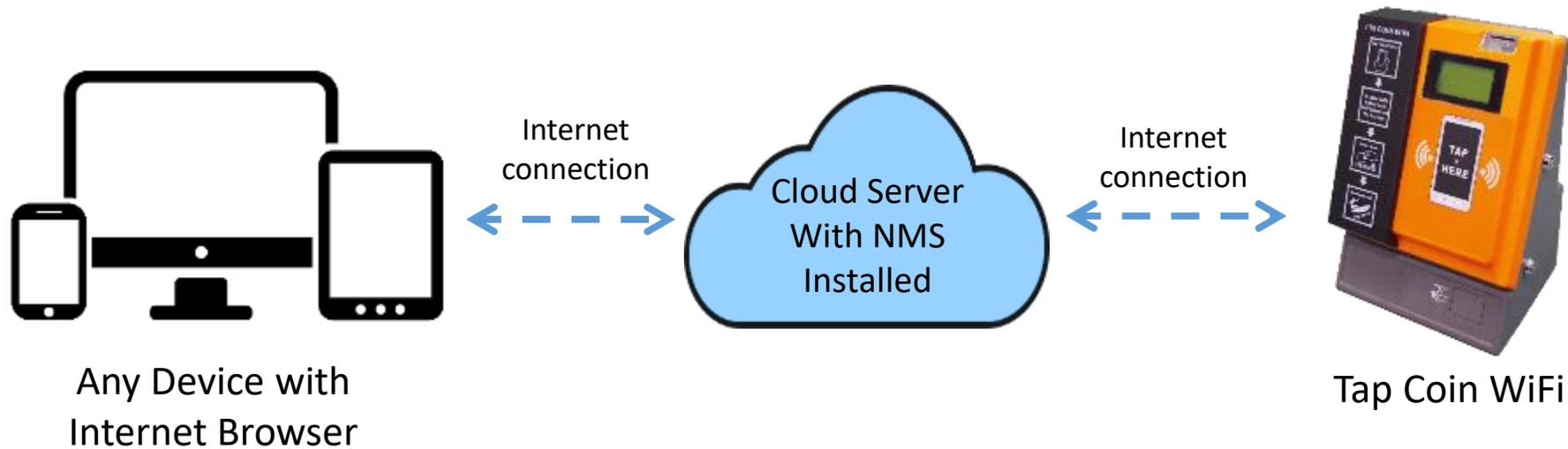
Quick Start Guide of NMS

(for model WIFI-A202)



NMS (Network Management System)

is a web-based remote management system to help you easily monitor and configure our WiFi Products.



Our cloud-version will perform data exchange through the Internet. That means, once the machine is online you can check its status and change its configuration in Internet browser of any device.

How to login to NMS?

Open the Internet browser and enter the login address:

<http://www.solnms.net:81> or

<http://na.solnms.net:81> (only for machines located in North and South America)

The start-up interface of NMS will display like this.



The screenshot shows the login interface for the NMS Network Management System. At the top, the logo "NMS Network Management System" is displayed in blue. Below the logo, there is a login form with two input fields: "Username" and "Password". To the left of the form is an image of a person in a yellow vest interacting with a device. At the bottom of the form, there are two buttons: "Login" and "Cancel".

Enter the login username and password and then click “Login” button.

Basic Operation Guides

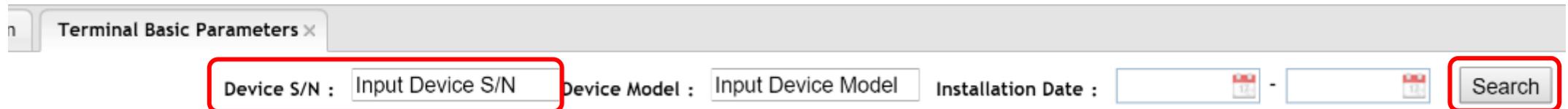
- How to Change Settings or Check Status for a Certain WiFi Machine?



Each of our WiFi Machine has a Serial Number (S/N), which is printed on the label at the back side.

We will use the last 8 digits (some batches are using 10 digits) as the “**Device S/N**” on the NMS to identify each Machine.

You can enter the “Device S/N” in the input box and then click “**Search**” button to limit the search result to a certain Machine.



Basic Operation Guides

- Parameter Modification

Each time you change the value of a specific parameter, please click the **OK** button at the bottom to confirm your settings, and then make the WiFi Machine connect to Internet. It will automatically download the new settings within 5 minutes around.

In the interface of “Terminal Basic Parameters”, if the “**Download Required**” column shows “**Yes**”, the system is still waiting to transfer data to the Machine. Once the “Yes” disappears, that means the Machine has already downloaded the latest parameter settings.

Terminal List					
No.	Device S/N↓	VoIP Setting Link	Device Model	Download Required	Update/Download Date
1	97102001	http://1.1.0.98:4455;192.168.0.116	WIFI-A202		2015-10-22 08:44:04
2	96601001	http://1.1.0.83:4455;192.168.1.107;4C:5E:0C:AA:2C:62;oct/28/2015;22:51:18	WIFI-A202		2015-10-20 20:19:19
3	86300001	http://10.1.2.138:8888/webfig	WIFI-A202	Yes	2014-12-03 16:26:54
4	86236579	http://1.1.0.139:4455;192.168.137.194;4C:5E:0C:36:35:00;feb/19/2016;08:43:53	WIFI-A202	Yes	2016-02-23 17:52:20

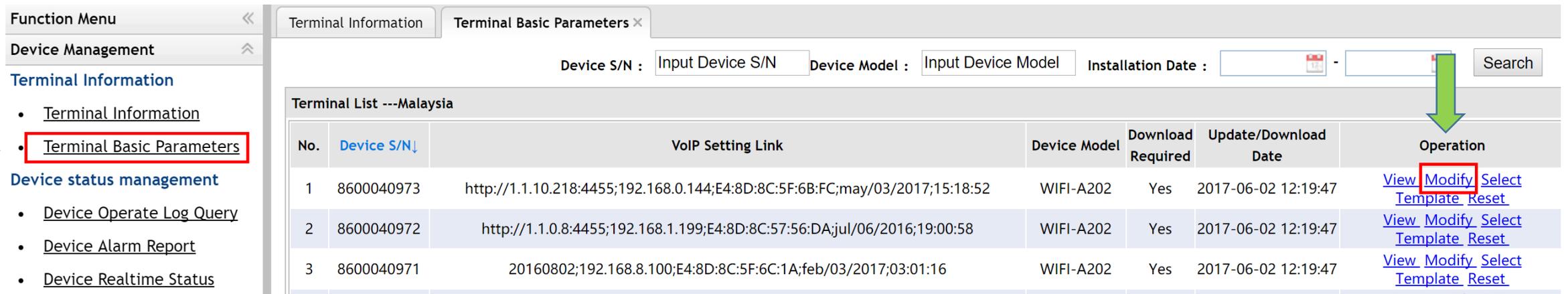
What Can NMS Do?

Click the link to jump to the page

- [Change SSID/WiFi Name](#)
- [Change WiFi Service Price](#)
- [Set Speed Limit for Each User to prevent network abuse](#)
- [Set Limit of Maximum Number of Online Users](#)
- [Check Coin Revenue Record & Statistics](#) / [Check Coin Collection Record](#)
- [Check Machine's Internet Connection Status](#)
- [Check Machine's Alarm](#) / [Receive email notification of alarms](#)
- [Support Voucher System](#): with this feature, you can offer voucher codes for the end user that needs long-term access to our wifi service.
- [Support Account Roaming](#): with this feature, the end user can get WiFi service on any machine after inserting coins or login with voucher codes on one machine.
- [Support Changing Banner Image / Popup Ads Image](#): with this feature, you can put your ads image on the hotspot login page.

Change SSID/WiFi Name

Click “Terminal Basic Parameters” -> “Modify” button of corresponding Device S/N.



Function Menu << Terminal Information Terminal Basic Parameters x

Device Management >>

Device S/N : Device Model : Installation Date : -

Terminal List ---Malaysia

No.	Device S/N↓	VoIP Setting Link	Device Model	Download Required	Update/Download Date	Operation
1	8600040973	http://1.1.10.218:4455;192.168.0.144;E4:8D:8C:5F:6B:FC;may/03/2017;15:18:52	WIFI-A202	Yes	2017-06-02 12:19:47	View Modify Select Template Reset
2	8600040972	http://1.1.0.8:4455;192.168.1.199;E4:8D:8C:57:56:DA;jul/06/2016;19:00:58	WIFI-A202	Yes	2017-06-02 12:19:47	View Modify Select Template Reset
3	8600040971	20160802;192.168.8.100;E4:8D:8C:5F:6C:1A;feb/03/2017;03:01:16	WIFI-A202	Yes	2017-06-02 12:19:47	View Modify Select Template Reset

Change SSID/WiFi Name

On the popup window, change the value in the field of “**WiFiSSID**”. Click “**OK**” button to confirm your settings.

Modify Parameters

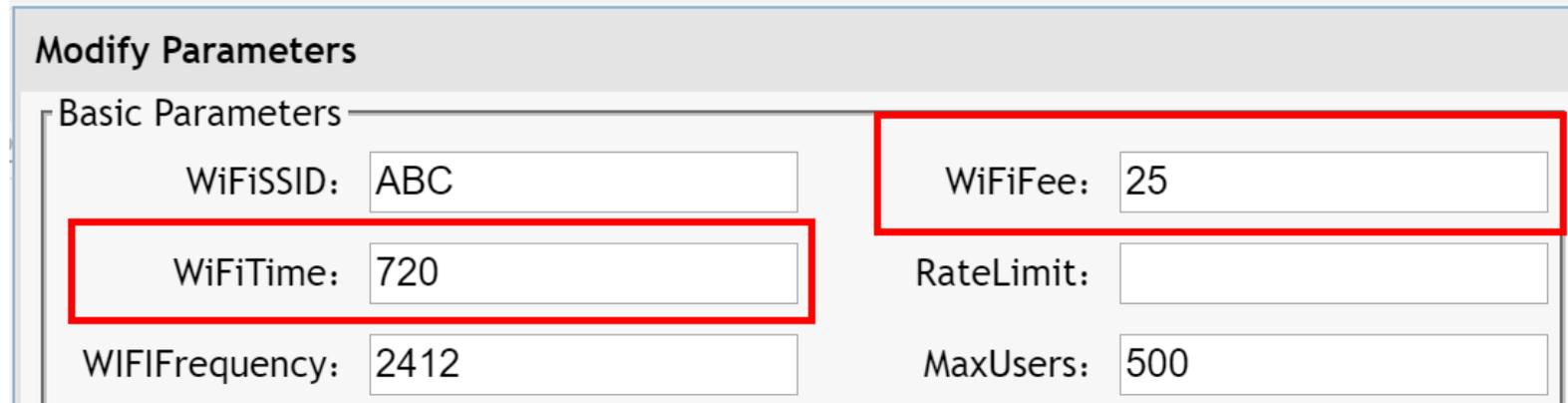
Basic Parameters

WiFiSSID:	<input type="text" value="ABC"/>	WiFiFee:	<input type="text" value="25"/>
WiFiTime:	<input type="text" value="720"/>	RateLimit:	<input type="text"/>
WiFiFrequency:	<input type="text" value="2412"/>	MaxUsers:	<input type="text" value="500"/>

Change WiFi Service Price

Click “**Terminal Basic Parameters**” -> “**Modify**” button of corresponding Device S/N.

On the popup window, change the value in the field of “**WiFiFee**” and “**WiFiTime**”.
Click “**OK**” button to confirm your settings.



The screenshot shows a 'Modify Parameters' dialog box with a 'Basic Parameters' section. The fields are as follows:

Parameter	Value
WiFiSSID	ABC
WiFiTime	720
WiFiFee	25
RateLimit	
WIFIFrequency	2412
MaxUsers	500

Red boxes highlight the 'WiFiTime' and 'WiFiFee' fields.

WiFiFee: The cost unit is the minimum face value of coin. For example, if your local coin has the minimum face value of 1 cent, then the value “100” represents 100 cents.

WiFiTime: The available WiFi service duration that can be purchased with the WiFiFee. (Unit: minute)

Change WiFi Service Price

For a data-based WiFi machine, you need to change the value in the field of “**WiFiFee**” and “**WiFiByte**”.

WiFiByte: The available WiFi traffic amount that can be purchased with the WiFiFee.
(Unit: MByte)

Please firstly contact us if you need to change the machine from time-based to data-based.

The screenshot shows a web interface titled "Modify Parameters" with a "Basic Parameters" section. The form contains several input fields for configuration. Two fields, "WiFiFee" and "WiFiByte", are highlighted with red rectangular boxes. The "WiFiFee" field contains the value "100" and the "WiFiByte" field contains the value "5". Other visible fields include "WiFiSSID" (ABC), "WiFiTime" (60), "WIFIFrequency" (2412), "HotspotLimit", "WANMASK", "WANDNS", "PPPOEPassword", "RateLimit", "MaxUsers" (500), "WANIP", "WANGATEWAY", and "PPPOEUsername".

Basic Parameters	
WiFiSSID:	ABC
WiFiTime:	60
WIFIFrequency:	2412
HotspotLimit:	
WANMASK:	
WANDNS:	
PPPOEPassword:	
WiFiFee:	100
RateLimit:	
MaxUsers:	500
WANIP:	
WANGATEWAY:	
PPPOEUsername:	
WiFiByte:	5

Change WiFi Service Price

You can also set **multiple rules** of WiFi service price.

For example, if the WiFiFee and WiFiTime are set as below:

WiFiFee: 100,200,500 (cents)

WiFiTime: 240,1440,10080

That means the incremental rate will be:

100 cents (R1,00) = 240 min (e.g)

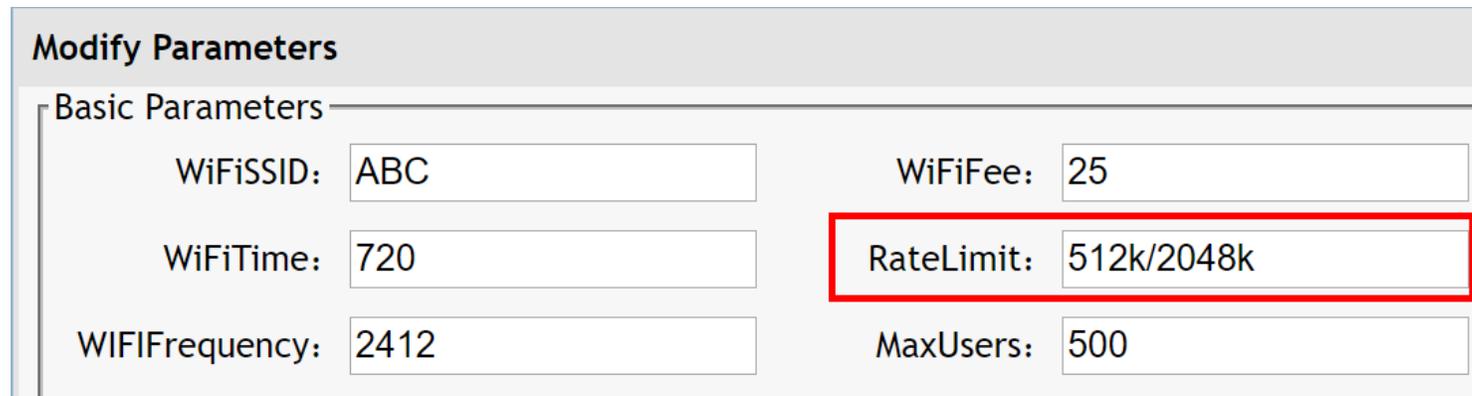
200 cents (R2,00) = 1440 min (e.g)

500 cents (R5,00) = 10080 min (e.g)

Please note that, you cannot set over 6 rules of rates.

Set Speed Limit for Each User To Prevent Network Abuse

Click “**Terminal Basic Parameters**” -> “**Modify**” button of corresponding Device S/N.
On the popup window, change the value in the field of “**RateLimit**”. Click “**OK**” button to confirm your settings.



The screenshot shows a 'Modify Parameters' dialog box with a 'Basic Parameters' section. The fields are arranged in two columns. The 'RateLimit' field is highlighted with a red border. The values are: WiFiSSID: ABC, WiFiTime: 720, WiFiFrequency: 2412, WiFiFee: 25, RateLimit: 512k/2048k, and MaxUsers: 500.

Basic Parameters	
WiFiSSID:	ABC
WiFiTime:	720
WiFiFrequency:	2412
WiFiFee:	25
RateLimit:	512k/2048k
MaxUsers:	500

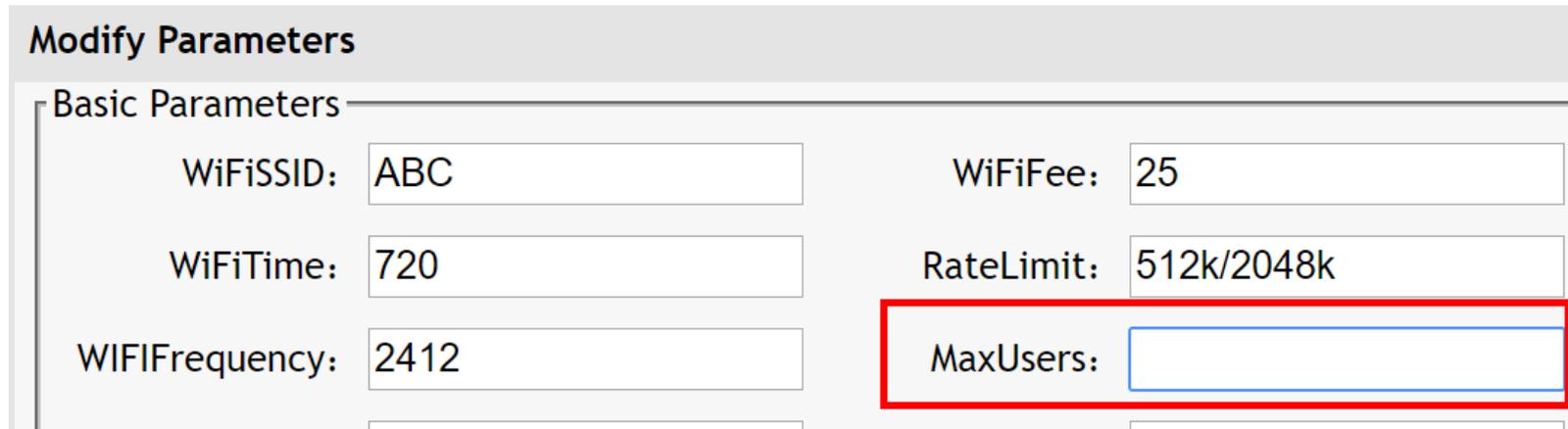
RateLimit: Enter the data speed limit for each user’s WiFi connection. For example, “512k/2048k” means the limit for data upload is 512kbps and for data download is 2048kbps. (Value format: upload speed / download speed, value unit: bps)

Set Limit of Maximum Number of Online Users

Click “**Terminal Basic Parameters**” -> “**Modify**” button of corresponding Device S/N.

On the popup window, change the value in the field of “**MaxUsers**”. Click “**OK**” button to confirm your settings.

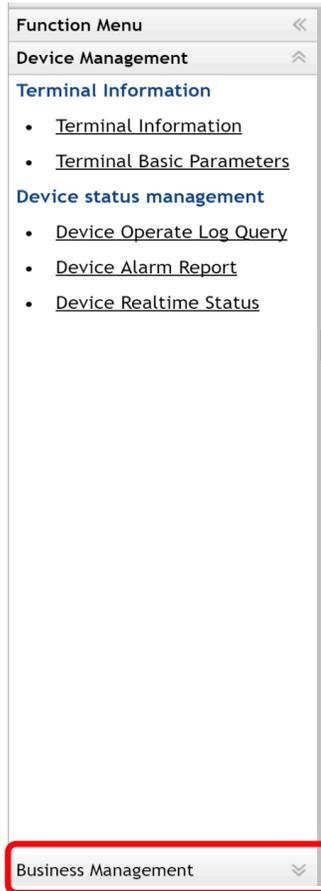
When the limit is reached, the machine will show alarm message "Max User Online!" on screen and will not accept payment of new users.



The image shows a screenshot of a web-based configuration interface titled "Modify Parameters". Under the "Basic Parameters" section, there are several input fields. The "MaxUsers" field is highlighted with a red rectangular box. The other fields are: WiFiSSID: ABC, WiFiTime: 720, WiFiFee: 25, RateLimit: 512k/2048k, and WIFIFrequency: 2412.

Basic Parameters	
WiFiSSID:	ABC
WiFiTime:	720
WiFiFee:	25
RateLimit:	512k/2048k
WIFIFrequency:	2412
MaxUsers:	

Check Revenue Record



Function Menu <<
Device Management >>
Terminal Information
• Terminal Information
• Terminal Basic Parameters
Device status management
• Device Operate Log Query
• Device Alarm Report
• Device Realtime Status

Business Management >>



Function Menu <<
Device Management >>
Business Management >>
• Top-up Record
• Coin Revenue Statistics
• Coin Collection Records (New)

Click “**Business Management**” -> “**Top-up Record**” on left menu.

The column “**Top-up Amount**” shows how much the end user paid for the WiFi service each time. (value unit: please refer to the settings of “WiFiFee”.)



Top-up Record List [Export to Excel](#)

No.	Device S/N ↓	Username ↓	Owner ↓	Payment Method / Top-up Card PIN ↓	Top-up Amount ↓	Uptime / MBytes Limit ↓	Date of Recharge ↓
1	18492005	0C:3E:9F:0E:D5:2B	Dominica_Angel	cash	2500	1h15m	2016-03-07 10:33:36
2	18492003	E4:2D:02:57:5D:1A	Dominica_Angel	cash	2500	2h30m	2016-03-07 10:28:32
3	18492005	00:03:AB:67:61:2D	Dominica_Angel	cash	3500	1h45m	2016-03-07 09:50:20
4	18492005	0C:3E:9F:0E:D5:2B	Dominica_Angel	cash	2500	1h15m	2016-03-07 09:29:09

Check Revenue Record

Terminal Information | Top-up Record x

Device S/N: Username: Payment Method / Top-up Card PIN: Top-up Amount: Date of Recharge: - Search

Top-up Record List [Export to Excel](#)

No.	Device S/N ↓	Username ↓	Owner ↓	Payment Method / Top-up Card PIN ↓	Top-up Amount ↓	Uptime / MBytes Limit ↓	Date of Recharge ↓
1	18492005	0C:3E:9F:0E:D5:2B	Dominica_Angel	cash	2500	1h15m	2016-03-07 10:33:36
2	18492003	E4:2D:02:57:5D:1A	Dominica_Angel	cash	2500	2h30m	2016-03-07 10:28:32
3	18492005	00:03:AB:67:61:2D	Dominica_Angel	cash	3500	1h45m	2016-03-07 09:50:20
4	18492005	0C:3E:9F:0E:D5:2B	Dominica_Angel	cash	2500	1h15m	2016-03-07 09:29:09

You can change the “**Date of Recharge**” field and click “**Search**” button to check earlier records.

- **Username:** This is the MAC address of end user’s device that is connected to the WiFi Machine.
- **Uptime/Mbytes Limit:** The duration or traffic amount of WiFi Internet service purchased by the end user.

Check Revenue Record

Terminal Information | Top-up Record x

Device S/N: Username: Payment Method / Top-up Card PIN: Top-up Amount: Date of Recharge: 2/26/2016 10:54:22

Export to Excel 

No.	Device S/N ↓	Username ↓	Owner ↓	Payment Method / Top-up Card PIN ↓	Top-up Amount ↓	Uptime / MBytes Limit ↓	Date of Recharge ↓
1	18492005	0C:3E:9F:0E:D5:2B	Dominica_Angel	cash	2500	1h15m	2016-03-07 10:33:36
2	18492003	E4:2D:02:57:5D:1A	Dominica_Angel	cash	2500	2h30m	2016-03-07 10:28:32
3	18492005	00:03:AB:67:61:2D	Dominica_Angel	cash	3500	1h45m	2016-03-07 09:50:20
4	18492005	0C:3E:9F:0E:D5:2B	Dominica_Angel	cash	2500	1h15m	2016-03-07 09:29:09

You can click **“Export to Excel”** to export the revenue records to an Excel file for further analysis.

Check Revenue Statistics

Click **“Business Management”** -> **“Coin Revenue Statistics”** on left menu.

Click **“Search”** button, then it will show the total statistics of each machine. You can also choose the **“year”**, **“month”**, and **“day”** to check the daily/monthly/yearly statistics.

Function Menu <<
Device Management >>
Terminal Information
• Terminal Information
• Terminal Basic Parameters
Device status management
• Device Operate Log Query
• Device Alarm Report
• Device Realtime Status

Business Management >>

Function Menu <<
Device Management >>
Business Management >>
• Top-up Record
• Coin Revenue Statistics
• Coin Collection Records (New)

Year ▼ Month ▼ Day ▼ Owner : Device S/N : Search Export to Excel

No.	Device S/N ↑	Owner ↓	Revenue ↓	Uptime / MBytes Limit ↓
1	52030001	CECYTE RÍO	577700	24d1h42m
2	52030002	LAZARO MAQUINA 1	316500	13d4h30m
3	52030003	F/S	26500	1d2h30m
4	52030004	LAVAMATICA POSTAL	415000	17d7h
5	52030006	CECYTE LOMAS	307800	12d19h48m
6	52030009	F/S	3900	3h54m
7	52030010	F/S	10000	10h

Check Coin Collection Record

If you have multiple machines to manage and have assigned coin collectors to help you get coins from each installation sites, you can use the Coin Collection Record option to manage the coin collection.

Please contact us to get additional instruction for this option.

Check Machine's Internet Connection Status

Function Menu <<
Device Management >>

Terminal Information

- [Terminal Information](#)
- [Terminal Basic Parameters](#)

Device status management

- [Device Operate Log Query](#)
- [Device Alarm Report](#)
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Terminal Information | Terminal Basic Parameters x | Device Operate Log Query x

Device S/N : 63050010 Operation Type : All Status : All Date Operated : Search

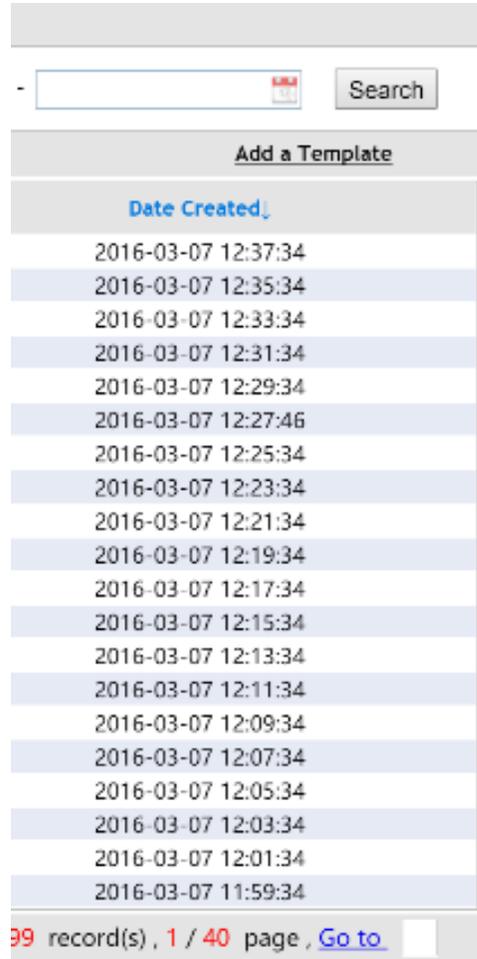
Template List Add a Template

No.	Device S/N	Operation	Status	Date Created
1	63050010	Inquiry	Normal	2016-03-07 12:37:34
2	63050010	Inquiry	Normal	2016-03-07 12:35:34
3	63050010	Inquiry	Normal	2016-03-07 12:33:34
4	63050010	Inquiry	Normal	2016-03-07 12:31:34
5	63050010	Inquiry	Normal	2016-03-07 12:29:34
6	63050010	Inquiry	Normal	2016-03-07 12:27:46
7	63050010	Inquiry	Normal	2016-03-07 12:25:34
8	63050010	Inquiry	Normal	2016-03-07 12:23:34
9	63050010	Inquiry	Normal	2016-03-07 12:21:34
10	63050010	Inquiry	Normal	2016-03-07 12:19:34
11	63050010	Inquiry	Normal	2016-03-07 12:17:34
12	63050010	Inquiry	Normal	2016-03-07 12:15:34
13	63050010	Inquiry	Normal	2016-03-07 12:13:34
14	63050010	Inquiry	Normal	2016-03-07 12:11:34
15	63050010	Inquiry	Normal	2016-03-07 12:09:34
16	63050010	Inquiry	Normal	2016-03-07 12:07:34
17	63050010	Inquiry	Normal	2016-03-07 12:05:34
18	63050010	Inquiry	Normal	2016-03-07 12:03:34
19	63050010	Inquiry	Normal	2016-03-07 12:01:34
20	63050010	Inquiry	Normal	2016-03-07 11:59:34

<< >> >>> >>>>

799 record(s) , 1 / 40 page , [Go to](#)

Check Machine's Internet Connection Status



The screenshot shows a web application interface. At the top, there is a search bar with a "Search" button. Below the search bar, there is a section titled "Add a Template". Underneath, there is a table with a single column labeled "Date Created". The table contains 20 rows of timestamps, starting from 2016-03-07 12:37:34 and ending at 2016-03-07 11:59:34, with a 2-minute interval between each entry. At the bottom of the table, there is a pagination bar showing "99 record(s), 1 / 40 page, Go to" followed by a small input field.

Date Created
2016-03-07 12:37:34
2016-03-07 12:35:34
2016-03-07 12:33:34
2016-03-07 12:31:34
2016-03-07 12:29:34
2016-03-07 12:27:46
2016-03-07 12:25:34
2016-03-07 12:23:34
2016-03-07 12:21:34
2016-03-07 12:19:34
2016-03-07 12:17:34
2016-03-07 12:15:34
2016-03-07 12:13:34
2016-03-07 12:11:34
2016-03-07 12:09:34
2016-03-07 12:07:34
2016-03-07 12:05:34
2016-03-07 12:03:34
2016-03-07 12:01:34
2016-03-07 11:59:34

The **“Date Created”** column shows that the Machine keeps communicating with NMS every 2 minutes. This is the normal status and indicates that the Machine has good Internet connection.

Check Machine's Internet Connection Status

Terminal Information Device Operate Log Query ×

Device S/N : Operation Type : Status : Date Operated : -

Template List [Add a Template](#)

No.	Device S/N↓	Operation	Status	Date Created↓
No Record				

If it shows "No record", that means the Machine is not online for 6 hours. NMS will clear the logs each 6 hours.

Check Machine's Alarm

Function Menu <<

Device Management >>

Terminal Information

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- [Terminal Basic Parameters](#)

Device status management

- [Device Operate Log Query](#)
- [Device Alarm Report](#)
- [Device Realtime Status](#)

Terminal Information | Device Alarm Report x | Device Status x

Device S/N: Alarm Type: Phone Number/IP Address: Device Model: Refresh Time: 4/17/2016 13:17:49

Device Alarm Info [Export to Excel](#)

No.	Refresh Time ↓	Device S/N ↓	Phone Number/IP Address ↓	Alarm Type ↓	Device Model ↓	Device Status
1	2016-04-27 19:26:36	66070015	/	Coinboxstatus	WIFI-A202/4G	Closed
2	2016-04-27 19:26:35	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
3	2016-04-27 13:10:28	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
4	2016-04-27 13:10:16	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
5	2016-04-27 05:07:07	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
6	2016-04-26 23:43:11	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
7	2016-04-26 23:43:11	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
8	2016-04-26 18:27:11	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
9	2016-04-26 16:00:54	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
10	2016-04-26 16:00:50	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
11	2016-04-26 12:57:31	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
12	2016-04-26 12:57:29	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
13	2016-04-26 07:17:53	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
14	2016-04-26 02:54:54	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
15	2016-04-26 02:40:03	66070016	/	CoinRefund	WIFI-A202/4G	40:45:DA:AF:55:0Dapr/25/2016 18:39:48 100
16	2016-04-26 00:23:12	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
17	2016-04-25 19:19:27	66070016	/	Doorstatus	WIFI-A202/4G	Opened
18	2016-04-25 19:10:51	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
19	2016-04-25 12:59:13	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened
20	2016-04-25 12:59:13	66070015	/	Coinboxstatus	WIFI-A202/4G	Opened

87 record(s), 1 / 5 page, [Go to](#)

Check Machine's Alarm

Alarm Type	Device Status	Description
network	offline	The Internet connection to the terminal is cut.
network	recovered	The Internet connection to the terminal is restored.
Coinboxstatus	Opened	The coin box of Coin WiFi machine has been unlocked and drawn out.
Coinboxstatus	Closed	The coin box of Coin WiFi machine has been drawn out and then replaced.
Doorstatus	Opened	The upper door of Coin WiFi machine has been unlocked and opened.
ModemStatus	4GModemNotFound	The machine cannot detect the 4G USB modem.
SignalAPstate	B8:55:10:3A:AF:90-88.11;	The access point (pre-configured to connect the machine) is not connected to the machine.

Check Machine's Alarm

Alarm Type	Device Status	Description
CoinRefund	40:45:DA:AF:55:0Dapr/25/2016 18:39:48 100	<p>40:45:DA:AF:55:0D : The MAC address of end user's device</p> <p>apr/25/2016 18:39:48 : The date and time when this alarm occurred</p> <p>100: The amount of coin refunded by the machine.</p> <p>After the end user inserts coins, if the machine let the coins fall into the refund bucket and show "Refund: xxx" on the screen, such alarm will occur and means the Internet connection may be unstable or the end user shall try again.</p>

Receive Email Notification of Alarms

You can set an email address to receive notification of these alarms:

- Network status: offline / online
- Coinbox capacity reaches the preset limit

Click **“Terminal Information”** -> **“Modify”** button of corresponding Device S/N.

Modify Terminal Info

Basic Info

Device S/N :	<input type="text" value="86300001"/>	*	Owner :	<input type="text" value="SZ"/>
Device Model :	<input type="text" value="WIFI-A202"/>	*	Installation Date :	<input type="text" value="2014-08-26"/>
Installation Address :	<input type="text"/>			
Remark :	<input type="text"/>			
Alarm Email Address :	<input type="text"/>			
Coinbox Capacity :	<input type="text" value="300"/>			

Check Machine's Real-time Status

Function Menu <<

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Terminal Information

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- [Terminal Basic Parameters](#)

Device status management

- [Device Operate Log Query](#)
- [Device Alarm Report](#)
- [Device Realtime Status](#)

Terminal Information | Device Realtime Status x

Device S/N : Date Operated : -

Operation Log ---PHP-Gary [Export to Excel](#)

Date Created↓	Device S/N↓	Owner	WAN-Upload (bps)↓	WAN-Download (bps)↓	Online Users↓	Potential Users↓	CPU Occupation Rate↓	CPU Temperature↓	Uptime↓	Download Bytes↓	Upload Bytes↓	LAN2-Upload (bps)↓	LAN2-Download (bps)↓	LAN3-Upload (bps)↓	LAN3-Download (bps)↓	LAN4-Upload (bps)↓	LAN4-Download (bps)↓	LAN5-Upload (bps)↓	LAN5-Download (bps)↓
2017-02-24 12:50:25	8600040425	Philippines_Gary	0K	0K	0	0	2	cpu:	00:30:11	1.04M	347K			OK	OK	OK	OK	OK	OK
2017-02-24 11:44:41	8600040438	Philippines_Gary	3K	6K	0	1	17	cpu:	00:30:11	2.71M	649K			OK	OK	OK	OK	OK	OK
2017-02-21 15:15:51	8600040615	Philippines_Gary	74K	0K	0	0	7	cpu:	04:22:44	199.31M	11.79M			OK	OK	OK	OK	OK	OK
2017-02-21 14:53:48	8600040615	Philippines_Gary	2K	0K	0	1	100	cpu:	04:00:41	195.94M	11.72M			OK	OK	OK	OK	OK	OK

Check Machine's Real-time Status

Item	Description
WAN-Upload (bps)	Upload speed of WAN port of machine
WAN-Download (bps)	Download speed of WAN port of machine
Online Users	Number of users online
Potential Users	Number of potential users who are connecting the SSID of machine but don't have time balance
CPU Occupation Rate	CPU usage ratio
CPU Temperature	Temperature of CPU (only available for new machines)
Uptime	Online duration of machine
Download Bytes	Total downloaded data amount
Upload Bytes	Total uploaded data amount
LAN2-Upload (bps)	Upload speed of LAN2 port of machine
LAN2-Download (bps)	Download speed of LAN2 port of machine

Offer Voucher Codes to End Users

With this feature, you can sell voucher codes to end users:

- 1) This is will be for users that need to purchase the machine's WiFi service for a long period (for example, a month);
- 2) Users that need to use desktop PC to get the machine's WiFi service;
- 3) Users That need to use the machine's WiFi service for free (especially the owner or staff of the installation site).

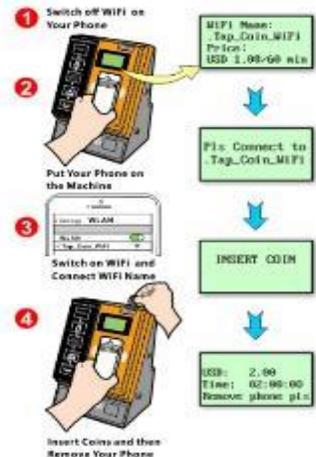
Please contact us to get additional instruction for how to generate voucher codes.

Offer Voucher Codes to End Users

- **How to Use Vouchers:**



Welcome to use SOL WiFi service!



- Click [here](#) to start surfing internet;
- To check remaining time, please visit 'www.a.com' in the browser;
- If you need to enjoy this WiFi service for a month or longer time, please purchase vouchers from your local supplier and then click the "Top-up" button below to enter the voucher code.

Top-up



Logging in, please wait...

Please Enter Voucher Code:

Add WiFi Service Time

Your MAC Address: 94:94:26:EE:5D:DB
Your Remaining Time:

Back

- 1) Use your mobile phone to connect to the SSID of the Tap Coin WiFi machine. No need to insert coins.
- 2) Click the "Top-up" button on the login page.
- 3) Enter the voucher code and then click "Add WiFi Service Time" button.
- 4) Watch demo video at:

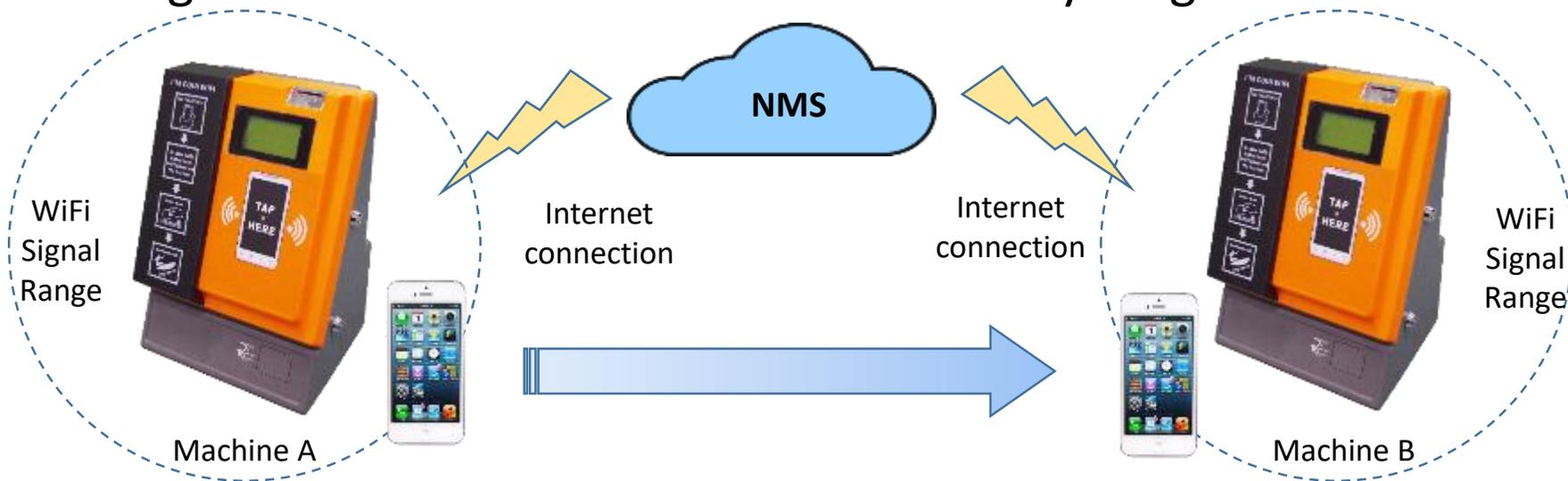
<https://www.youtube.com/watch?v=udctdbRK1d8>

Account Roaming Option

- **What is Account Roaming?**

With this feature, if the end user's device has inserted coins or has entered a voucher code in Machine A to get WiFi service, then when he is in the signal range of Machine B, his device can automatically connect to Machine B without reconnection and payment.

That means, his remaining WiFi service time can be consumed on either Machine A or B even though the distance between A and B is very long.



Account Roaming Option

- **How to Enable Account Roaming?**

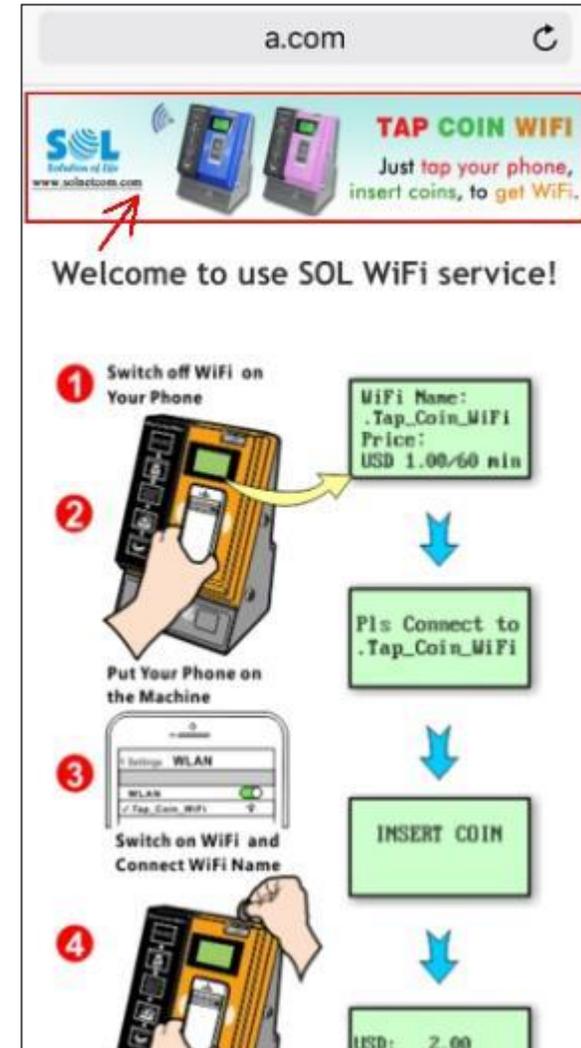
It shall be enabled by our engineer.

Option for Changing Banner / Popup Ads Image

- **Where is the Banner Image on Login Page?**

When an end user connects to the machine's SSID before inserting coins, or when his paid time comes to an end, then the login page will automatically popup.

The Banner Image is at the top of login page. You can put your own image with your logo and website address.

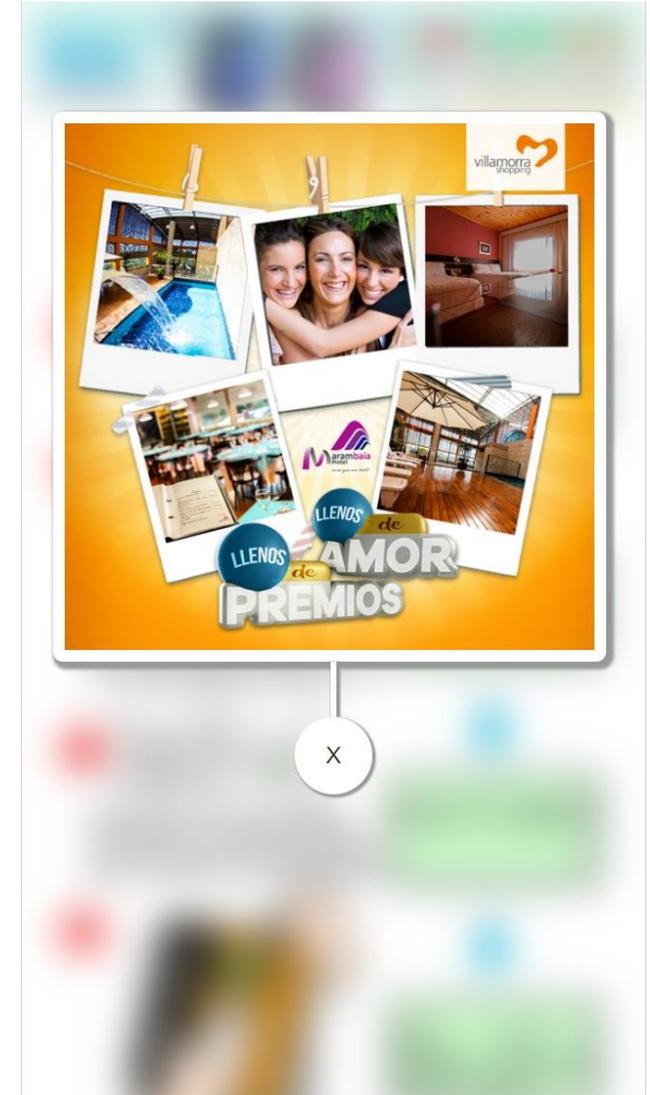


Option for Changing Banner / Popup Ads Image

- **Where is the Ads Image on Login Page?**

The ads Image will pop up over the login page and will last for 4 seconds. The end user can also click the image to close it.

Please contact us if you need to add popup ads image on login page.



Option for Changing Banner / Popup Ads Image

- Image Requirement

Image Position	Filename	Image Size
Banner Image	ad1-767.jpg	767 x 160 pixels
Banner Image	ad1-960.jpg	960 x 160 pixels
Banner Image	ad1-1600.jpg	1600 x 160 pixels
Popup Ads Image	flyer.png	1000 x 1000 pixels

Option for Changing Banner / Popup Ads Image

- **How to Change Images?**

Click “**Basic Terminal Parameters**” on the left menu.

In “Basic Files List”, select “hotspot” as the destination directory and choose your own banner images, click “Add Selected File” to upload them.

