

UNIBOX

An Intelligent Network Controller

Knowledge Base:

Reports Module

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Publication Date

June 14, 2013

Applicable Products

The administration guide applies to the following products –

- Unibox U-50
- UniBox U-100
- UniBox U-200
- UniBox U-500
- UniBox U-1000

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1) How to check online users in unibox?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to online users section under reports TAB.

 **Reports :: Online Users** ?

Online Users

Field: Value: **SEARCH** 

#	User Name	IP Address	MAC Address	VLAN ID	Online / Idle (HH:MM:SS)	Usage Down / Up	Bandwidth Down / Up	Logout
1	1142743438@unibox	172.10.3.199	6C-F3-73-64-8F-7C	-	00:40:58 / 00:00:00	2.98 MB / 4.19 MB	3.86 Kbps / 72.51 Kbps	


- ✓ Click on online users to view authenticated users who are browsing internet.




2) Online user search using username, MAC address and IP address?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to online users section under reports TAB.


 **Reports :: Online Users** ?

Online Users


Field: Value: **SEARCH** 






#	User Name	IP Address	MAC Address	Online / Idle (HH:MM:SS)	Usage Down / Up	Bandwidth Down / Up	Logout
1	0012@parcestique	192.168.5.214	8C-FA-BA-E0-10-63	15:31:39 / 02:51:43	39.43 Mb / 14.00 Mb	0.00 bps / 0.00 bps	
2	2628@parcestique	192.168.5.62	8C-2D-AA-C4-41-14	11:32:19 / 02:30:41	13.68 Mb / 7.66 Mb	0.00 bps / 0.00 bps	
3	2915@parcestique	192.168.5.170	D4-20-6D-2B-D6-8C	00:40:00 / 00:00:01	15.41 Mb / 1.43 Mb	5.91 Kbps / 2.09 Kbps	

- ✓ Click on online users to view authenticated users who are browsing internet.
- ✓ Select the search method from field drop down list.

 **Reports :: Online Users**



Online Users		
Field:	IP Address	Value : 192.168.5.1
		<input type="button" value="SEARCH"/> 

#	User Name	IP Address	MAC Address	Online / Idle (HH:MM:SS)	Usage Down / Up	Bandwidth Down / Up	Logout
1	002249@parcestique	192.168.5.171	54-53-ED-30-C1-56	02:45:43 / 00:21:49	34.97 Mb / 10.54 Mb	0.00 bps / 0.00 bps	
2	02244@parcestique	192.168.5.195	64-A7-69-7F-26-3F	02:34:18 / 02:31:24	808.52 Kb / 217.25 Kb	0.00 bps / 0.00 bps	
3	02246@parcestique	192.168.5.133	7C-61-93-A3-39-72	02:33:52 / 02:21:01	3.25 Mb / 457.53 Kb	0.00 bps / 0.00 bps	
4	02867@parcestique	192.168.5.114	58-55-CA-F6-76-1B	01:04:34 / 00:00:04	42.78 Mb / 21.00 Mb	520.00 bps / 2.67 Kbps	
5	213@parcestique	192.168.5.151	60-FA-CD-A2-F4-23	02:58:06 / 00:00:00	26.78 Mb / 4.39 Mb	11.62 Kbps / 8.34 Kbps	

- ✓ Enter searching value in text box provided.
- ✓ Click on search to search specific type of user or users.

3) How to see Usage graphs, and usage summary in unibox?


- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to usage section under reports TAB.
- ✓ Click on usage graphs to view graphical representation of ISP bandwidth, Local bandwidth, packet flow and number of users using service.



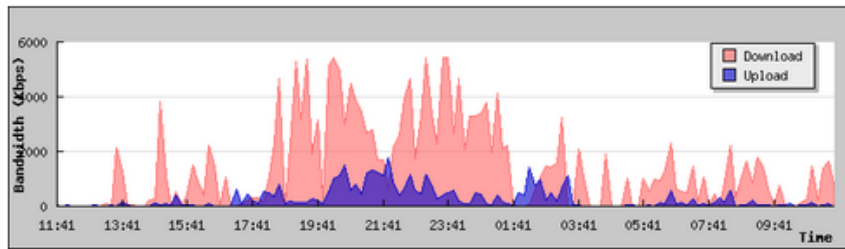
Reports :: List Usage Reports

#	Report Name	Description
1	Usage Summary	Displays session bandwidth usage
2	Usage Graphs	Bandwidth Usage History

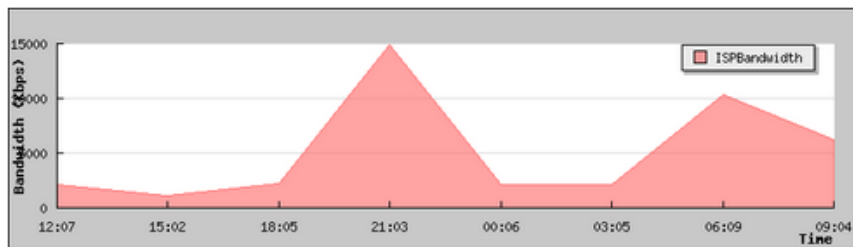
- ✓ Click on Usage summary to view summary report by selecting report type from drop down list.

 Reports :: Usage Graphs

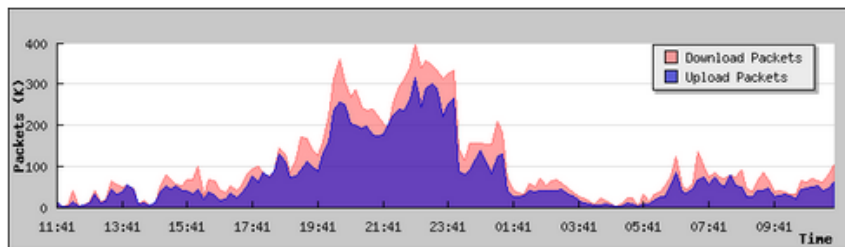
Local Bandwidth




ISP Bandwidth



Packets



- ✓ Usage summary reports:
- ✓ Total sessions Vs Time:

 **Reports :: Usage Summary**

Report Type *

Time Interval From : To:

Time Unit

Display Type


Total Sessions Vs Time

(06 Jun 2013 - 12 Jun 2013)

#	Day	Total Sessions	Unique Users
1	06 Jun 2013	61	19
2	07 Jun 2013	120	30
3	08 Jun 2013	41	14
4	09 Jun 2013	26	9
5	10 Jun 2013	62	22
6	11 Jun 2013	12	6
7	12 Jun 2013	3	2

- Select option as total sessions Vs time from drop down list.
- Select time interval for the reports to fetch between selected date span.
- Select time unit from drop down list. (Ex. Day, week, month or year).
- Select display type from drop down list.(Ex. Graphical report or Tabular report).
- Click on display report to view report.

✓ **Number of sessions Vs Day of week:**

 **Reports :: Usage Summary**

Report Type *

Time Interval From:  To: 


Display Type

Number of Sessions Vs Day of Week
(06 Jun 2013 - 12 Jun 2013)



#	Day	Total Sessions
1	Sun	26
2	Mon	62
3	Tue	12
4	Wed	3
5	Thu	61
6	Fri	120
7	Sat	41

- Select option from drop down list as Number of session Vs day of week.
- Select time interval (select in week).
- Select the display option from drop down list.
- Click on display report to view reports.

✓ **Number of sessions Vs hour of the day:**

 **Reports :: Usage Summary**

Report Type *

Time Interval From:  To: 

Time Unit


Display Type

Number of Sessions Vs Hour of Day
(05 Jun 2013 - 12 Jun 2013)

#	Day	Total Sessions
1	00:00:00 - 01:00:00	49
2	01:00:00 - 02:00:00	26
3	02:00:00 - 03:00:00	6
4	03:00:00 - 04:00:00	5
5	04:00:00 - 05:00:00	5
6	05:00:00 - 06:00:00	15
7	06:00:00 - 07:00:00	55

- Select option from drop down list as Number of session Vs hour of the day.
- Select time interval.
- Select the display option from drop down list.
- Click on display report to view reports

✓ **Bandwidth usage Vs Time:**

 **Reports :: Usage Summary**

Report Type *

Time Interval From: To:

Time Unit

Display Type

Bandwidth Usage Vs Time

(06 Jun 2013 - 12 Jun 2013)

#	Day	Download Bandwidth	Upload Bandwidth	Total Bandwidth
1	06 Jun 2013	1.17 GB	18.23 MB	1.19 GB
2	07 Jun 2013	176.31 MB	13.07 MB	189.38 MB
3	08 Jun 2013	84.03 MB	4.94 MB	88.96 MB
4	09 Jun 2013	80.62 MB	2.93 MB	83.55 MB
5	10 Jun 2013	173.35 MB	7.97 MB	181.32 MB
6	11 Jun 2013	75.96 MB	2.11 MB	78.07 MB
7	12 Jun 2013	1.03 GB	913.77 KB	1.03 GB

- Select option as bandwidth usage Vs time from drop down list.
- Select time interval for the reports to fetch between selected date span.
- Select time unit from drop down list. (Ex. Day, week, month or year).
- Select display type from drop down list.(Ex. Graphical report or Tabular report).
- Click on display report to view report.

✓ **Top users:**

Reports :: Usage Summary ?

Report Type *

Time Interval From: To:

Display Type

Top Users

1 2 3 ▶ ❏

#	Username	Total Sessions	Upload	Download
1	1158661948@unibox	1	346.98 KB	1.00 GB
2	1175060087@unibox	16	7.98 MB	188.96 MB
3	Alisha@unibox	1	1.23 MB	54.35 MB
4	Sinchan@unibox	11	2.05 MB	45.69 MB
5	Nupur@unibox	4	1.06 MB	39.93 MB
6	Merni@unibox	5	1.07 MB	26.95 MB
7	Robin@unibox	6	849.43 KB	25.57 MB
8	Lance@unibox	2	529.17 KB	25.01 MB

- Select option as top users from drop down list.
- Select time interval.
- Display type is by default in tabular format.
- Click on display report to view.

4) How to see billing reports in unibox?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to billing section under reports TAB.

Reports :: List Billing Reports

#	Report Name	Description
1	Revenue Report	Displays Prepaid Revenue, Credit Card Revenue and Total Revenue
2	Revenue By Plan	Total credit card revenue for each plan
3	Prepaid Usage Report	Displays usage of prepaid cards like prepaid users, sessions etc
4	Signup Summary	Displays the number of users signed up for the service using Unibox registration interface

✓ **Revenue report:**

- Select report type from drop down list. (Ex. Prepaid revenue, Credit card revenue, Total revenue)
- Set time interval.
- Set time unit from drop down list. (Ex. Day, week, month or year).

Reports :: Revenue Report



Report Type*

Time Interval From: To:

Time Unit

Display Type

Prepaid Revenue Report

#	Day	Revenue (INR)
1	05 Jun 2013	700.00
2	06 Jun 2013	120.00
3	07 Jun 2013	600.00
4	08 Jun 2013	120.00
5	09 Jun 2013	680.00
6	10 Jun 2013	240.00
7	11 Jun 2013	400.00
8	12 Jun 2013	0.00
Grand Total (INR)		2,860.00

- Select display type from drop down list. You can select either as tabular or graphical.
 - Click on display report to view selected Revenue report.
- ✓ Revenue by plan:

Reports :: Revenue By Plan Report

Time Interval From: To:

Time Unit


Select Plan

Revenue By Plan Report (06 Jun 2013 - 12 Jun 2013)



#	Day	Plan Name	Total (USD)
		1 Day	
1	06 Jun 2013	0.00	0.00
2	07 Jun 2013	0.00	0.00
3	08 Jun 2013	0.00	0.00
4	09 Jun 2013	0.00	0.00
5	10 Jun 2013	0.00	0.00
6	11 Jun 2013	0.00	0.00
7	12 Jun 2013	0.00	0.00

- Click on option revenue by plan from left pane.
- Set time interval.
- Set data unit from list.
- Select plan form drop down list.
- Click on display report to view selected revenue by plan report.

✓ **Prepaid Usage report:**

 **Reports :: Prepaid Usage Report** ?

Report Type*

Time Interval From  To 

Time Unit

Display Type


Prepaid Users Vs Time
(06 Jun 2013 - 12 Jun 2013)

#	Day	Prepaid Users
1	06 Jun 2013	13
2	07 Jun 2013	26
3	08 Jun 2013	6
4	09 Jun 2013	3
5	10 Jun 2013	3
6	11 Jun 2013	0
7	12 Jun 2013	1

- Select prepaid usage report type from drop down list.(Ex. Prepaid Users Vs time, Prepaid sessions Vs time, Total time used Vs time).
- Set time interval.
- Set time unit from drop down list. (Ex. Day, week, month or year).
- Select display type from drop down list. You can select either as tabular or graphical.
- Click on display report to view selected prepaid usage report.

✓ **Signup report:**

- Set time interval.
- Set data unit from list.
- Select plan form drop down list.
- Click on display report to view signup report.

 **Reports :: Signup Summary**



Time Interval * From: 06 Jun 2013 To: 12 Jun 2013

Time Unit

Select Plan

Signup Summary Report

(06 Jun 2013 - 12 Jun 2013)

No of users per day	Plan Name		Total Users
	1 Day		
06 Jun 2013	0		0
07 Jun 2013	0		0
08 Jun 2013	1		1
09 Jun 2013	0		0
10 Jun 2013	0		0
11 Jun 2013	0		0
12 Jun 2013	0		0
Grand Total			1

5) System reports

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to system section from reports TAB.
- ✓ Click on list system reports to view.

 **Reports :: List System Reports**

#	Report Name	Description
1	DHCP Leases	Describes validity of network address related configuration and their expiry time
2	Port Connections	Lists the open source, destination ports and protocol used by each active client
3	Network Interfaces	Describes usage statistics of all physical network interfaces
4	ARP Tables	Describes all active client nodes in Local Area Network
5	System usage graphs	Shows CPU usage graph, Memory usage graph and Ports usage graph
6	System Information	Describes System Information

6) How to view DHCP lease reports in unibox?

- ✓ **To view DHCP leases reports:**
 - Click on DHCP leases option from left pane.
 - You can view DHCP IP assigned to MAC addresses along with VLAN ID and lease time.
 - You can search for specific MAC or IP address by selecting required search type from drop down list, enter search value and click on search.

System Reports :: DHCP Leases ?

Field: Value:

#	MAC Address	IP Address	VLAN ID	Online/Offline	Leases(HH:MM:SS)
1	00-0B-1F-15-24-7C	192.168.10.3	-	✖	00:00:00 / 00:00:00
2	00-1A-73-E7-87-45	192.168.10.19	-	✔	00:00:00 / 00:00:00
3	30-85-A9-E3-31-EB	192.168.10.4	-	✖	00:00:00 / 00:00:00
4	D0-B3-3F-6B-94-15	192.168.10.6	-	✖	00:00:00 / 00:00:00

- Port connections:
- Click on port connections options from left pane.

Reports :: Port Connections ?

#	Source IP Address	Source Port	Destination IP Address	Destination Port	Protocol	State
1	⊞ 1.165.0.184	Opened Source Ports : 1 Opened Destination Ports : 1				
	└ 1.165.0.184	43612	1.165.0.184	16060	udp	-
2	⊞ 1.174.34.182	Opened Source Ports : 1 Opened Destination Ports : 1				
	└ 1.174.34.182	43612	1.174.34.182	65308	udp	-
3	⊞ 111.221.77.155	Opened Source Ports : 1 Opened Destination Ports : 1				
	└ 111.221.77.155	43612	111.221.77.155	40034	udp	-
4	⊞ 111.221.77.165	Opened Source Ports : 1 Opened Destination Ports : 1				
	└ 111.221.77.165	43612	111.221.77.165	40001	udp	-
5	⊞ 114.244.6.4	Opened Source Ports : 1 Opened Destination Ports : 1				
	└ 114.244.6.4	43612	114.244.6.4	54163	udp	-

- Click on the plus sign in source IP field to view detail port connection report.
- You can view source IP, source port, Destination IP address, destination port, type of protocol used for connection and state of connection.

7) How to view Network Interface reports in unibox?

✓ Network interfaces:



System Reports :: Network Interfaces ?

#	Interface	Transmit			Receive		
		Tx Packets	Tx Drop	Tx Error	Rx Packets	Rx Drop	Rx Error
1	br0	26099	0	0	29356	0	0
2	eth0	33045	0	0	23386	0	0
3	eth1	27468	0	0	30964	0	0
4	lo	1785	0	0	1785	0	0
5	mon.wlan0	420	0	0	0	0	0
6	ppp0	5	0	0	5	0	0
7	tun0	3440	0	0	3572	0	0
8	wlan0	3172	0	0	8427	0	0

- Click on Network interfaces option from left pane.
- You can view here type of interfaces (eth0, br0, wlan0 etc), transmit reports which include Transmitted packets, transmission drop, and error during transmission of number of packets, and receive reports include received number of packets, received packet drop and received packet error.

8) How to view ARP (Address resolution protocol) detail reports in unibox?

✓ **ARP Tables:**

 **System Reports :: ARP Tables** 

ARP Tables

Click here to display ARP Tables ARP Tables

#	IP Address	MAC Address	Vendor
1	192.168.10.6	d0:b3:3f:6b:94:15	(Unknown)
2	192.168.10.3	00:0b:1f:15:24:7c	I CON Computer Co.
3	192.168.10.19	00:1a:73:e7:87:45	Gemtek Technology Co., Ltd.

- Address resolution protocol table.
- Click on ARP table option from left pane.
- Click on ARP table button to view ARP reports.

9) How to view System usage reports, up time, serial key, type of services running in unibox?

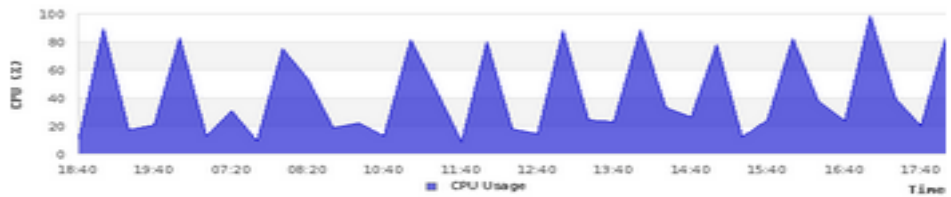
✓ **System Usage graphs:**

- Click on the system usage graphs option from left pane.
- You can view here system reports such as CPU usage, Memory usage, Disk usage and port usage.
- Very helpful to know the load and functionality of the controller.

Reports :: System usage graphs



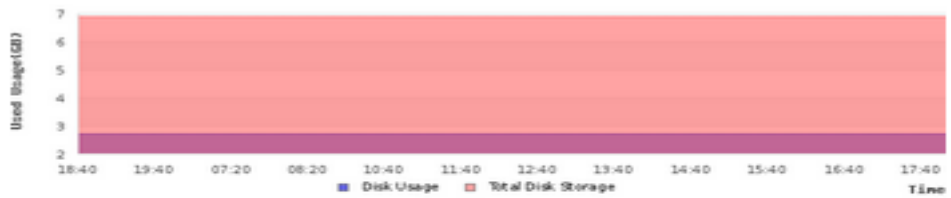
CPU Usage



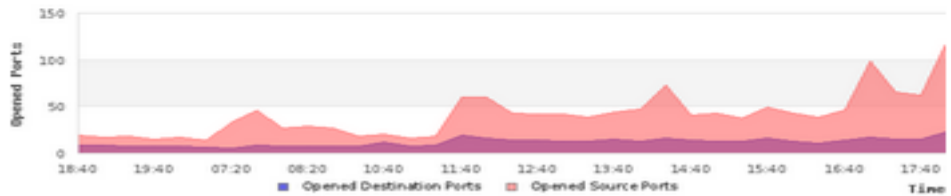
Memory Usage



Disk Usage



Ports Usage



- System information:
- To view system information click on “system information” option from the left pane.
 - It is categorized into five types:
 - General Information includes following:

General Information

Organization Name	Wifi-soft LLC
Controller Name	UNIBOX
Controller Model	U-150
Controller Serial Number	UNIBOXRELEASESTESTTEAM
Firmware Version	1.0 R7096
Current Time	Wed Jun 12 11:59:40 IST 2013
Up Time	0 days 1 hours 56 minutes and 36 seconds
Load Average	0.93 1.09 1.22

- Organization name
- Controller name
- Controller model
- Controller serial number
- Firmware version
- Current time
- Up time
- Load average

▪ **Service Information includes following:**

Service

Authentication	✓
Controller	✓
Database	✓
DNS	✓
Network Device Monitoring	✓
Proxy	✓
Web	✓

- Authentication
- Controller
- Database
- DNS
- Network device monitoring
- Proxy
- Web

▪ **Memory Information includes following:**

Memory Information

Total Available	237.89 MB
Free	66.10 MB
Used	171.79 MB
Buffers	22.27MB
Cached	40.41MB
Active	41.19 MB
Inactive	104.07 MB

- Total available memory
- Free memory
- Used memory.
- Buffered memory

- Cached memory
- Active and inactive memory.
- Network Information includes following:

Network Information

Bridge MAC Address	00:0b:6b:22:d7:e6
Bridge IP Address	192.168.10.1
WAN MAC Address	00:0d:b9:23:cf:74
WLAN MAC Address	00:0b:6b:22:d7:e6
WAN IP Address	192.168.0.5
DNS Server	4.2.2.10 4.2.2.2

- Bridge MAC address
- Bridge IP address
- WAN MAC address
- WLAN MAC ADDRESS
- WAN IP address
- DNS Servers
- CPU Information includes following:

CPU Information

CPU mode	Geode(TM)IntegratedProcessorbyAMDPCS
CPU clock	498.118 MHz
CPU core(s)	1

- CPU mode
- CPU clock
- CPU core(s) – number of core used.

10) How to check device monitoring status in unibox?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to monitoring section under reports TAB.

Reports :: Monitoring

Device Search

Status: Device Name:


Color Legend	
■	Device UP
■	Device DOWN

#	Name	IP Address	MAC Address	Status	Time
1	d1	10.10.10.15	-	DOWN	12 Jun 2013 11:11:07
2	Laptop	192.168.10.20	00-16-27-03-e1-3f	DOWN	12 Jun 2013 11:05:08
3	Tab	192.168.10.50	00-16-27-03-e1-3b	DOWN	12 Jun 2013 11:10:50
4	Unibox	192.168.10.1	-	DOWN	12 Jun 2013 11:11:00

- ✓ You can view here all the devices mentioned in device monitoring with their status.

11) How to check user agent reports in unibox?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to user agent section under reports TAB.
- ✓ Select the report type from drop down list to generate reports.
- ✓ **Browser Vs Number of Users:**

 **Reports :: User Agent Reports** ?

Report Type *

Time Interval From: To:

Display Type

Browser Vs Number of Users

#	Browser	Number of Users
1	CHROME	1
2	SAFARI	2
3	BLACKBERRY	1
4	DEFAULT BROWSER	1

- Set time interval.
- Select display type from drop down list (Ex. Graphical or tabular).
- Click on Display report to view reports.
- ✓ **Operating system Vs Number of Users:**

 **Reports :: User Agent Reports** ?

Report Type *

Time Interval From: To:

Display Type

Operating Systems Vs Number of Users

#	Operating System	Number of Users
1	WIN7	1
2	LINUX	3
3	BLACKBERRY OS	1
4	UNKNOWN	1

- Set time interval.
- Select display type from drop down list (Ex. Graphical or tabular).
- Click on Display report to view reports.

12) How to view send SMS report in unibox?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to SMS report section under reports TAB.
- ✓ Click on sent free SMS report from left pane to view free SMS sent to sign up users.



 **Reports :: Sent Free SMS Report** ?

Sent Free SMS Count: **119**

Time Interval From: To:

#	Username	MAC Address	Date And Time	SMS Content	Authentication Reply
1	89435960783@unibox	64-B3-10-82-C5-36	2013-06-05 00:09:22	-	The INTERNATIONAL_PHONE service is disabled for you. Kindly get the service enabled before using this action
2	9846031561@unibox	F4-B7-E2-46-C1-ED	2013-06-05 02:07:51	Dear Customer, Welcome to Lull Mall, Please find verification code for Wireless Internet Browsing. Verification Code:-52024	SMS sent successfully.
3	9846031561@unibox	F4-B7-E2-46-C1-ED	2013-06-05 02:08:04	Dear Customer, Welcome to Lull Mall, Please find verification code for Wireless Internet Browsing. Verification Code:-93998	SMS sent successfully.

- ✓ Set date interval and click on display report to view sent free SMS report.
- ✓ Sent Prepaid SMS report:
- ✓ Click on Sent prepaid SMS report option from left pane.

 **Reports :: Sent Prepaid SMS Report** 

Sent Prepaid SMS Count: 36

Time Interval From: 05 Jun 2013 To: 13 Jun 2013

Display Report

#	Username	Mobile No	MAC Address	Date And Time	SMS Content	Authentication Reply
1	1402239175@unibox	919645705402	DC-85-DE-31-34-48	2013-06-05 13:20:19	Dear Customer, Welcome to Lull Mall, Please find verification code for Wireless Internet Browsing. Verification Code:-84094	SMS sent successfully.
2	1377573557@unibox	919645705402	DC-85-DE-31-34-48	2013-06-05 13:34:57	Dear Customer, Welcome to Lull Mall, Please find verification code for Wireless Internet Browsing. Verification Code:-72402	SMS sent successfully.
3	1377573557@unibox	919495915804	6C-F3-73-64-8F-7C	2013-06-05 13:32:21	Dear Customer, Welcome to Lull Mall, Please find verification code for Wireless Internet Browsing. Verification Code:-72402	SMS sent successfully.

✓ Set date interval and click on display report to view sent prepaid SMS.