





Korenix Mobile Manager Utility

User Manual

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About This Manual

This user manual is intended to guide professional installer to install the Korenix Mobile Manager Utility (KMM) and how to configure the related setting in Cellular Router/Gateway devices.

The software can be downloaded in Korenix web site. You can contact Korenix Sales or Technical Service Window for further need.

Sales: <u>Sale@korenix.com</u> Technical Service: <u>Korecare@korenix.com</u>



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Chapter 1

Introduction



Chapter 1 Introduction

1.1 Introduction

After the mobile devices are applied to the field, the issue of mobile devices' access is an important topic of administrators. Due to the limited number of public address, most carrier provider may offer you the private IP for the cellular router. The carrier provider may have different IP policy, for example, the IP address may be changed every a period of time, may get the different IP address while you reboot the device...etc.

The Korenix Mobile Manager (KMM) is a simple utility to resolve the issue of mobile devices' inabilities to be accessed from the internet. With a PC and a public IP, the PC can be the Mobile Manager Server. Configuring the Mobile Manager Server's IP address on your mobile device, then the up-to-date IP address, cellular type, Ethernet port type... network status can be reported to the server. The utility also provides you device management and maintenance features.

1.2 Major Features

- Easy tool for Korenix Mobile Devices' management, Quick Start without installing,
- Device Monitoring: Get live information about the mobile/cellular devices
- Cellular Type Management: Cellular type, SIM settings, User Info and GPS Position information
- Cellular Communication Watchdog Enable/Disable and Auto-Reconnect settings
- Ethernet Port Management: Network Mode, LAN IP settings
- Device Maintenance: Backup and Restore the configuration file, firmware upgrade,
- Event Log Window and Panel
- Export and Save the connected status
- Low system performance request





1.3 Typical System Architecture

After you have run the Mobile Manager Utility, the Computer you run becomes the **Mobile Manager Server** of your remote cellular devices. You must have a public IP for the Mobile Manager Server first, thus all the remote cellular devices can report the latest IP and information to it.

In **remote cellular devices**, you can find the Mobile Manager Settings page in Web GUI. Before delivering to the customer site, please "Enabled" the feature and type the Server IP Address and specific TCP port of the mobile manager server, press "Apply" and go to "Save" page to save the settings.

JetWave3320 Status Mobile System Wireless	e Manag	ger Settin Hobile Manager rem	gs ste management .	
Celular Server:		Enabled	Disabled	
Basic Settings Server Addr	ess:	192.168.10.2	00	
Connection Watchdog Server Port:		2310	(1-65535)	
Debug Mode Control Port	(Auto:0):	0	(0-65535)	
GPS VPN Management Device Front Panel Save Logout Reboot		Apph	Cancel	

Between the Mobile Manager Server and Remote Cellular Devices, it is complex and different environment may have different requests. The Public IP and open specific TCP port for your Mobile Manager Server are MUST settings. You can check the public IP address with your carrier provider. Normally, you must pay the cost to keep the permanent public IP. After you have the public IP, you must open the

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specific public TCP port (or use default port number, 2310) for the mobile manager in the router/gateway of your environment. If you install the Mobile Manager Server behind the complex firewall of your office, you need to setup port forwarding rule, it requests administrator privilege to change the setting in your firewall. Please check with your IT engineer and ask them open the port for your server.

1.4 System Request

The Mobile Manager Utility does not request high system resource, the PC performance is not quite critical for this application. However, if you want to monitor many remote cellular devices, good performance computer is better to manager and monitor them.

You don't need to pre-install the software on your Window OS. The application currently supports Window OS. You just need to double click it on your computer, the application can be activated.

The user capacity of the application is not limited in current version, the free download version will not charge you cost before end of 2016. We reserve the right to define the user capacity, price and new functionality in the future.







Chapter 2

KMM Configuration Guide



Chapter 2 KMM Configuration Guide

This chapter describes the Korenix Mobile Manager (use KMM to represent Korenix Mobile Manager in following pages) configuration.

2.1 Main Screen

Double click the KMM Utility to start the application. The figure shows the KMM icon, you can see this after decompress the RAR file.



You will be the Main screen and Login screen as below. You must login the application first. The default User Name is "admin", Password is "admin".

M				Korenix	Mob	ile M	anager v1.0)					×	
Fil	le Configuration File	a Firmware Log								Hide Panel	>>	Edit Mode	Не	lp
.	Model Name	Mac Address	Device Name	IP Address	Port	Ve	Status	Last Connected	Cellular	Network				
1	JetWave2310-HSPA	00:12:77:31:00:FC	korenix3100fc	192.168.20.1	0	1.0	Disconnected	05/08/15 23:59:16	- Cellular :	Status				^
F	-	Last Update Time												
									Cellular	Enable	DISABL	E	~	
									Provider					
									Service	Туре				
				M	L	ogin		×	IMEI					
									Signal St	trength				1
				IIsemame:	admi	in .			Connect	ion Status				
				C SCALMARD.		u.			Cellular	IP Address				
				Password:	••		1		SIM Con	ntrol				
				ſ	_	_			SIM Ind	ex				
					1	Login			SIM Sele	ection	1		~	
				Loading Dat	tabase D	one			-SIM 1				-	-11
									SIM Stat	tus				
						_			APN					
									Authenti	ication Type	CHAP		~	
									Usernam	1e				
									Password	đ				
		SIM 2												
		SIM Status												
									APN					
L									Authenti	ication Type	CHAP		~ .	~

The Main screen includes the Configuration tool on the top, Device list and status update, Cellular/Network configuration panel...etc. features. You can click "Hide Panel" to hide the Cellular/Network panel. Enter "Edit" mode to change configuration...etc. Please read below chapters for detail configuration.



2.2Device Monitoring

To monitor the devices' status with wider screen, you can click "Hide Panel>>". Then the Main screen only displays the devices list as below.

M	Korenix Mobile Manager v1.0 – 🗖 💌							×	
File Con	figuration File Firmware	e Log					Hide Par	nel >> Edit Mode	Help
No.	Model Name	Mac Address	Device Name	IP Address	Port	Version	Status	Last Connected	
1	JetWave3320	00:12:77:31:02:3A	korenix31023a	192.168.10.105	65197	0.9Ъ2	Connected	10/08/15 17:20:42	
2	JetWave3320	00:12:77:31:02:38	korenix310238	192.168.10.104	65196	0.9Ъ2	Connected	10/08/15 17:20:42	
3	JetWave3320	00:12:77:31:02:3C	korenix31023c	192.168.10.107	65198	0.9Ъ2	Connected	10/08/15 17:20:42	
4	JetWave3320	00:12:77:31:02:40	korenix310240	192.168.10.111	65200	0.9Ъ2	Connected	10/08/15 17:20:55	
5	JetWave3320	00:12:77:31:02:42	korenix310242	192.168.10.113	65201	0.9Ъ2	Connected	10/08/15 17:20:55	
6	JetWave3320	00:12:77:31:02:3E	korenix31023e	192.168.10.109	65215	0.9Ъ2	Connected	10/08/15 17:20:58	
7	JetWave3320	00:12:77:31:02:32	korenix310232	192.168.10.198	65216	0.9Ъ2	Connected	10/08/15 17:20:58	
8	JetWave3320	00:12:77:31:02:36	korenix310236	192.168.10.102	65217	0.9Ъ2	Connected	10/08/15 17:20:59	
9	JetWave3320	00:11:44:33:55:66	korenixfffff0	192.168.10.132	65505	0.9Ъ2	Connected	10/08/15 17:22:40	
10	JetWave3320	00:12:77:31:02:2E	korenix31022e	192.168.10.194	49305	0.9Ъ2	Connected	10/08/15 17:23:33	
11	JetWave3320	00:12:77:31:02:30	korenix310230	192.168.10.196	49364	0.9b2	Connected	10/08/15 17:23:48	

No. is a sequence number.

Model Name: The model name of your cellular device.

MAC Address: The MAC address of your cellular device. MAC address is a unique address to identify your device in worldwide network.

Device Name: The device name of your cellular device. You can change the device name in web GUI.

IP Address: The current IP address of your cellular device. The IP address may be changed by your carrier provider, the remote cellular device will report the new IP address to the utility after you correctly setup. This is the main purpose of this utility. **Port:** The TCP port number of your cellular device. The port number should be the same of the remote cellular device and mobile manager server.

Version: The firmware version of your cellular device.

<u>Status</u>: The current status of your cellular device. The status includes Connected, Disconnected, Upgrading, Backup/Restoring... information.

Last Connected: The last connected time of your cellular device.

Note: While you exit the program, the above last updated remote cellular device will be saved in the database automatically. They will be recalled when you open the

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program next time.

2.3 Tools

are some tools on the top of the main screen. Following are the configuration guide of these tools.

2.3.1 File

In this function, you can Start or Stop monitoring the KMM monitoring function. You can change the server and account setting in Preference, you can export the device list in Export and Exit the program.

	М						
F	File	ile Configuration File Firmware Log					
	C	Start		Mac Address	Device Name		
		Stop		00:12:77:31:02:3A	korenix31023a		
1	ø	Preference		00:12:77:31:02:38	korenix310238		
1	<u>1</u>	Export		00:12:77:31:02:3C	korenix31023c		
	×	Exit		00:12:77:31:02:40	korenix310240		

2.3.1.1 Start/Stop

The default setting is "**Start**" while you run the KMM program. The program will poll the information of your remote device and accept the updated status.

You can change it to "**Stop**", the program will stop to poll the devices' status and do not update the status here. However, it doesn't mean that the device will also stop generating packet to Mobile Manager Server. If you want your cellular device stop updating status, you must disable the Mobile Manager Setting in you device as well.

2.3.1.2 Preference

The Preference command allows you to change the Server setting and Account settings.

Preference - Server



	Preference	×
Server Account		
Idle Timeout	600	Seconds
Service Port	2310	
Polling Peroid	30	Seconds
		Apply

Idle Time: The program will wait until the Idle Timeout time is expired while the remote cellular device failures to update its status. The field defines the Idle Timeout time in seconds and the volume here must be above 10 sec.

Service Port: This is the specific communication TCP port number between your cellular device and mobile manager server.

<u>Polling Period</u>: This is a timer indicates the period the program asks for device's information actively.

	Preference		x
Server Account			
Username:	admin	🖌 Change	
Old Password:			
New Password:			
Retype Password:			
		Apply	

Preference - Account

This screen allows you to change the user name and password. You need to type old and new password correctly. Please follow the above indication.



2.3.1.3 Export

This is the command for you to export the device lists.

Choose "Export" in tool bar, you can see the popup screen, select the target folder and type the file name. Click "Export" to export the information or "Cancel" to cancel the command.

Ex	port ×					
Select file name						
[sers/Orwell/Document	[sers/Orwell\Documents\KMM Export					
Export	Cancel					

After exported, you will find the file in the target folder. Below is an example of the file name "KMM Export.csv".

	2-	1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (
🖌 🛃 KMI	VI Export.csv	2015/10/8 下午 0	Microsoft Excel	1 KB

Right Click the "KMM Export.csv" and open it by Microsoft Excel or Word Pad. You will see the remote cellular devices' information.

XII	🚽 🤊 • 🔍 - 🛛 = 222.csv - Microsoft Excel						
檔	案 常用	插入 版面配置 公式 資	和 校園 檢視	增益集			
Ê	↓ 前下	新細明體 👻 12	· A A ===	≫ → ■ 自動換列	通用格式	•	I
貼上	= [■] 候報 ▼ ∛ 複製格式	B <i>I</i> <u>U</u> ∗ ⊞ ∗ <u>A</u>	· фž· ≣≣≣	律 律 ■ 時欄置中 ▼	\$ - % , <u>.00</u>	.00 ▶00 的條件▼ 表格▼)儲存格 插入 様式▼ ▼
	剪貼簿 5	字型	Fai	對齊方式 🕠	數值	「 様式	
	A1	▼ (* f _x	JetWave3320				
	A	В	С	D	E	F	G I
1	JetWave3320	00:11:44:33:55:66	192.168.10.132	korenixfffff0	0.9b2	2010/8/15 18:35	
2	JetWave3320	00:12:77:31:02:3C	192.168.10.107	korenix31023c	0.9b2	2010/8/15 18:35	
3	JetWave3320	00:12:77:31:02:38	192.168.10.104	korenix310238	0.9b2	2010/8/15 18:35	
4	JetWave3320	00:12:77:31:02:42	192.168.10.113	korenix310242	0.9b2	2010/8/15 18:35	
5	JetWave3320	00:12:77:31:02:30	192.168.10.196	korenix310230	0.9b2	2010/8/15 18:35	
6	JetWave3320	00:12:77:31:02:3A	192.168.10.105	korenix31023a	0.9b2	2010/8/15 18:35	
7	JetWave3320	00:12:77:31:02:3E	192.168.10.109	korenix31023e	0.9b2	2010/8/15 18:35	
8	JetWave3320	00:12:77:31:02:32	192.168.10.198	korenix310232	0.9b2	2010/8/15 18:35	
9	JetWave3320	00:12:77:31:02:40	192.168.10.111	korenix310240	0.9b2	2010/8/15 18:35	
10	JetWave3320	00:12:77:31:02:2E	192.168.10.194	korenix31022e	0.9b2	2010/8/15 18:35	
11							
10							

Note: The **"Status"** information will not be saved in KMM database, so that you will not see the live status in the export file. If you want to check current status or the change of status, please open the log window and save the log file. You can find more history information.



2.3.1.4 Exit

Select "Exit", you will exit the application immediately without popup warning. The device list will be saved and you can see them when you run the application next time.

2.3.2 Configuration File

This is the configuration file command to Backup/Restore the configuration file for your cellular device and you can permanently Save the configuration you modified to the device.

M					
File	Con	Configuration File		Firmware Log	
	5	Backup		Mac Address	Device Name
1		Restore		00:12:77:31:02:3A	korenix31023a
2	I	Save		00:12:77:31:02:38	korenix310238
3	JetWave3320			00:12:77:31:02:3C	korenix31023c
4	JetWave3320		00:12:77:31:02:40	korenix310240	

2.3.2.1 Configuration File Backup

Select the target folder and give a name of the configuration file. Click Backup to continue.

Configuratio	n File Backup						
Backup Configuration F	~ <u></u>						
D:\Users\Orwell\Docum	ents\3320-104						
Backup	Cancel						



2.3.2.2 Configuration File - Restore

Choose the "Restore", then you will see the Configuration File Restore popup screen.

n File Restore	×
-	
File	
168.10.194.cfg	
Cancel	
	n File Restore

Click "..." and then select the file you want to restore.

<u></u>	📓 Restore Configuration File									
查詢():	1 文件	v 🗈 📸 🎫								
最近的項目	Uclear.fi Cloudpe LxChariot MG-SOFT MIB Browser	clear.fi JetWave 3000 Series_v1 0_B-low.pdf Cloudpe JetWave 3220-low (2).pdf IxChariot Johnny_resume.xml MG-SOFT MIB Browser Wallace Hsu resume (徐文岳).pdf								
点面	My Music My Pictures My Videos	My Music My Pictures My Videos								
文件	 Outlook 備業 3G Test Guide .ppt 32 Live Demo_201405.jvp 3320-104_192.168.10.194. 	 ➡ Outlook 檔案 ➡ 3G Test Guide .ppt ➡ 32 Live Demo_201405.jvp ➡ 3320-104 .192.168.10.194 .cfo 								
 本機	Andy_Chen Resume.doc DCW30R.pdf desktop.ini FL003077.MP4									
網路	檔案名稱(M): 3320-104_192.168.10.194.cfg 開散(Q) 檔案類型(T): 所有檔案 ↓ 取消									
8908	檔案類型(工): 所有檔案	▶ 取消								

Click "Restore" to continue the progress.

You can also see the updated status is changed to "Restoring..." in device list.

9	JetWave3320	00:11:44:33:55:66	korenixfffff0	192.168.10.132	65505	0.9Ъ2	Connected	10/08/15 17:22:40
10	JetWave3320	00:12:77:31:02:30	korenix310230	192.168.10.196	49364	0.9Ъ2	Connected	10/08/15 17:23:48
12	JetWave3320	00:12:77:31:02:2E	korenix31022e	192.168.10.194	51338	0.9Ъ2	restoring	10/08/15 17:51:56

Note: The Backup and Restore progress here is the same as you operate in local area network. The program provides an option you can operate remotely through cellular network.



2.3.2.3 Configuration File - Save

This command helps you to save the configuration you changed to the remote cellular device. This is a MUST step to permanent save the new configuration.

2.3.3 Firmware

Select the Upgrade to run the firmware upgrade progress remotely.

Μ				
File	Configuration File	Firmware	Log	_
	Model Name	I 🏦 Upg	rade	Device Name
1	JetWave3320	00:12:77:31:	02:3A	korenix31023a
2	JetWave3320	00:12:77:31	:02:38	korenix310238
3	JetWave3320	00:12:77:31:	:02:3C	korenix31023c
4	JetWave3320	00:12:77:31	:02:40	korenix310240

After selected, you will see the Firmware Upgrade popup screen. Click "..." to select the firmware file.

Firmware Upgrade ×
Firware File Name
C:\Users\Orwell\Documents\32 Live
Upgrade Cancel

Press "Upgrade" to continue the progress.

Note: The Firmware Upgrade progress here is the same as you operate in local area network. The program provides an option you can operate remotely through cellular network.



2.3.4 Log

There are two commands, Show Panel and Log Window.

Μ					
File	Configuration File	Firmware	Log		
	Model Name	Mac Address	.	Show Panel	
1	JetWave3320	00:12:77:31:		Log Window	а.
2	JetWave3320	00:12:77:31	:02:38	korenix31023	8
3	JetWave3320	00:12:77:31:	02:3C	korenix31023	с
4	JetWave3320	00:12:77:31	:02:40	korenix31024	0

2.3.4.1 Log - Show Panel

Show Panel command allows you to show the log information on the lower column of the main window. The red area in below figure is the Log panel after you selected "Show Panel".

D	Korenix Mobile Manager v1.0 – 🗖 🔀										
File Configuration	ile Configuration File Firmware Log Edit Mode Help										
Model Name	Mac Address	Device Name	IP Address	Port	¥e	States	Last Connected	Cellular	Network		
1 JetWave33	0 00:12:77:31:02:3A	koreaix31023a	192.168.10.105	65197	0.962	Connected	10/08/15 17:20:42	Cellular	Status		^
2 JetWave33	0 00.1277.31.02.38	hormis/310238	192.168.10.104	65196	0.962	Connected	10/08/15 17:20:42	Last Up	date Time		- 11
3 JetWave33	0 00:12:77:31:02:3C	koreaix31023c	192.168.10.107	65198	0.962	Connected	10/06/15 17:20:42	Celhila	: Enable	DISABLE	~
4 JetWave33	00.12.77.31.02.40	horenix310240	192.168.10.111	65200	0.962	Connected	10/08/15 17:20:55	Travite	r Turu		- 1
5 JetWave33	0 00:12:77:31:02:42	kornix310242	192.168.10.113	65201	0.962	Connected	10/08/15 17:20:55	IMET	1)99		- 1
6 JetWeve33	0 00:12:77:31:02:3E	kornix31023e	192.168.10.109	65215	0.962	Connected	10/08/15 17:20:58	Simel 2	Dearth		- 11
7 JetWave33	0 00:12:77:31:02:32	kornix310232	192.168.10.198	65216	0.962	Connected	10/08/15 17:20:58	Connec	tion Status		
8 JetWave33	0 00.12.77.31.02.36	hornix310236	192.168.10.102	65217	0.962	Connected	10/08/15 17:20:59	Celhila	r IP Address		
9 JetWave33	0 00:11:44:33:55:66	koreaixfffff0	192.168.10.132	65505	0.962	Connected	10/08/15 17:22:40	SIM Co	atrol		
10 JetWave33	0 00:12:77:31:02:2E	kornix31022s	192.168.10.194	49305	0.962	Connected	10/08/15 17:23:33	SIM In	fex.		
11 JetWave333	00:12:77:31:02:30	horenix310230	192.168.10.195	49364	0.962	Connected	10/08/15 17:23:48	SIM Se	lection.	1	×
								SIM 1			
								SIM Sh	dus		
								APN			
								Authen	Scetion Type	CHAP	v
								Usernau	De .		_
								Pasero	d		
								SIM 2			
The Oct 08 17:	20:05 CST 2015 :Dev	rice Deleted: M	odel=Jet#ave2310-	HSPA ,	кас-о	0:12:77:31	1:00:FC , IP=192.161	SIM Sh	ອັໝ		- 1
Thu Oct 08 17:	20:42 CST 2015 :Dev	rice Connected:	Model=JetWave332	, MAC	-00:1	2:77:31:00	2:3A ,IP=192.168.10	ATN	Confine Toma	CHAR	-
Thu Oct 08 17:	20:42 CST 2015 :Dev	rice Connected:	Model=JetWave332	D ,MAC	=00:1	2:77:31:00	2:38 , IP=192.168.10	Line contract	acedon 19pe	Cant	Ť
The Oct 08 17:	20:42 CST 2015 :Dev 20:55 CST 2015 :Dev	rice Connected:	Model=JetWave332	NAC NAC	=00:1	2:77:31:00	1:3C , IP=192.168.10 .40 IP=192.168.10	Paceuro	al a		- 1
<							>	-			- ×

2.3.4.2 Log – Log Window

Select the "Log Window", you will see the popup Log window as below figure. There



are three small icons on the top, they are Save, Delete and Close.

Thu Oct 08 17:20:05 CST 2015 :Device Deleted: Model=JetWave2310-HSPA ,MAC=00:12:77:31:00:FC ,IP=192:168.20.1 Thu Oct 08 17:20:42 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3A ,IP=192:168.10.105 ,Version = 0.9b2 Thu Oct 08 17:20:42 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3A ,IP=192:168.10.104 ,Version = 0.9b2 Thu Oct 08 17:20:42 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3A ,IP=192:168.10.104 ,Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3C ,IP=192:168.10.101 ,Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:42 ,IP=192:168.10.111 ,Version = 0.9b2 Thu Oct 08 17:20:56 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:42 ,IP=192:168.10.113 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.102 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:36 ,IP=192:168.10.102 ,Version = 0.9b2		Log	-	×
Thu Oct 08 17:20:05 CST 2015 :Device Deleted: Model=JetWave2310-HSPA ,MAC=00:12:77:31:00:FC ,IP=192.168.20.1 Thu Oct 08 17:20:42 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3A ,IP=192.168.10.105 ,Version = 0.9b2 Thu Oct 08 17:20:42 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3A ,IP=192.168.10.107 ,Version = 0.9b2 Thu Oct 08 17:20:42 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3C ,IP=192.168.10.107 ,Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3C ,IP=192.168.10.107 ,Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:40 ,IP=192.168.10.111 ,Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:42 ,IP=192.168.10.113 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192.168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192.168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192.168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192.168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192.168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192.168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:36 ,IP=192.168.10.102 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:36 ,IP=192.168.10.102 ,Version = 0.9b2				
Thu Oct 08 17:20:42 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3A ,IP=192:168.10.105 ,Version = 0.9b2 Thu Oct 08 17:20:42 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:38 ,IP=192:168.10.104 ,Version = 0.9b2 Thu Oct 08 17:20:42 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:36 ,IP=192:168.10.107 ,Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:36 ,IP=192:168.10.111 ,Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:40 ,IP=192:168.10.111 ,Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:42 ,IP=192:168.10.113 ,Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:36 ,IP=192:168.10.109 ,Version = 0.9b2	Thu Oct 08 17:20:05 CST 2	2015 :Device Deleted: Model=JetWave2310-HSPA ,MAC=00:12:77:31:00:FC ,IP=192.16	8.20.1	
Thu Oct 08 17:20:42 CST 2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:38 .IP=192.168.10.104 ,Version = 0.9b2 Thu Oct 08 17:20:42 CST 2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:36 .IP=192.168.10.107 .Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:40 .IP=192.168.10.111 .Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:42 .IP=192.168.10.113 .Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:42 .IP=192.168.10.113 .Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:32 .IP=192.168.10.109 .Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:32 .IP=192.168.10.109 .Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:32 .IP=192.168.10.109 .Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:32 .IP=192.168.10.109 .Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:32 .IP=192.168.10.109 .Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:36 .IP=192.168.10.109 .Version = 0.9b2	Thu Oct 08 17:20:42 CST 2	2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3A ,IP=192.168.10	0.105 Version	= 0.962
Thu Oct 08 17:20:42 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3C ,IP=192:168.10.107 ,Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:40 ,IP=192:168.10.111 ,Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:42 ,IP=192:168.10.113 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:42 ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3E ,IP=192:168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.198 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192:168.10.198 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:36 ,IP=192:168.10.198 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:36 ,IP=192:168.10.198 ,Version = 0.9b2	Thu Oct 08 17:20:42 CST 2	2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:38 .IP=192.168.10	0.104 ,Version	= 0.962
Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=Jet/Wave3320 ,MAC=00:12:77:31:02:40 ,IP=192.168.10.111 ,Version = 0.9b2 Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=Jet/Wave3320 ,MAC=00:12:77:31:02:42 ,IP=192.168.10.113 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=Jet/Wave3320 ,MAC=00:12:77:31:02:32 ,IP=192.168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=Jet/Wave3320 ,MAC=00:12:77:31:02:32 ,IP=192.168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=Jet/Wave3320 ,MAC=00:12:77:31:02:32 ,IP=192.168.10.198 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=Jet/Wave3320 ,MAC=00:12:77:31:02:36 ,IP=192.168.10.102 ,Version = 0.9b2	Thu Oct 08 17:20:42 CST 2	2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3C ,IP=192.168.10	0.107 Version	= 0.962
Thu Oct 08 17:20:55 CST 2015 :Device Connected: Model=Jet/Wave3320 ,MAC=00:12:77:31:02:42 ,IP=192 168 10.113 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=Jet/Wave3320 ,MAC=00:12:77:31:02:3E ,IP=192 168 10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=Jet/Wave3320 ,MAC=00:12:77:31:02:32 ,IP=192 168 10.198 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=Jet/Wave3320 ,MAC=00:12:77:31:02:32 ,IP=192 168 10.198 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=Jet/Wave3320 ,MAC=00:12:77:31:02:36 ,IP=192 168 10.102 ,Version = 0.9b2	Thu Oct 08 17:20:55 CST 2	2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:40 ,IP=192.168.10	0.111 ,Version	= 0.962
Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3E ,IP=192.168.10.109 ,Version = 0.9b2 Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192.168.10.198 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:36 ,IP=192.168.10.102 ,Version = 0.9b2	Thu Oct 08 17:20:55 CST 2	2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:42 ,IP=192.168.10	0.113 ,Version	= 0.962
Thu Oct 08 17:20:58 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192 168 10 198 ,Version = 0.9b2 Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:36 ,IP=192 168 10 102 ,Version = 0.9b2	Thu Oct 08 17:20:58 CST 2	2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:3E ,IP=192.168.10	0.109 Version	= 0.962
Thu Oct 08 17:20:59 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:36 ,IP=192 168.10.102 ,Version = 0.9b2	Thu Oct 08 17:20:58 CST 2	2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:32 ,IP=192.168.10	0.198 ,Version	= 0.962
	Thu Oct 08 17:20:59 CST 2	2015 :Device Connected: Model=JetWave3320 .MAC=00:12:77:31:02:36 .IP=192.168.10	0.102 .Version	= 0.9b2
Thu Oct 08 17:22:40 CST 2015 :Device Connected: Model=Jet/Wave3320 ,MAC=00:11:44:33:55:66 ,IP=192.168.10.132 ,Version = 0.9b2	Thu Oct 08 17:22:40 CST 2	2015 :Device Connected: Model=JetWave3320 ,MAC=00:11:44:33:55:66 ,IP=192.168.10	0.132 ,Version	= 0.9b2
Thu Oct 08 17:23:33 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:2E ,IP=192.168.10.194 ,Version = 0.9b2	Thu Oct 08 17:23:33 CST 2	2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:2E ,IP=192.168.10	0.194 ,Version	= 0.962
Thu Oct 08 17:23:48 CST 2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:30 ,IP=192.168.10.196 ,Version = 0.9b2	Thu Oct 08 17:23:48 CST 2	2015 :Device Connected: Model=JetWave3320 ,MAC=00:12:77:31:02:30 ,IP=192.168.10	0.198 Version	= 0.962
-> Save	🔒 -> Save			
🕎 -> Delete	🕎 -> Dele	te		
🔀 -> Close	💥 -> Clos	e		

<u>Save:</u> After click "Save" command, you will see the popup screen for you to browse the target folder. Give the new name for the log file means you can save the log file. Select the old log file name means you will replace the old contents.

Below is the figure that you can see the log file in the selected folder.

🗹 📄 KMM Log	2015/10/8 下午 0 檔案	10 KB

Delete: Delete the log information of the log window. **Close:** Close the Log Window.

2.4Right Click Tool

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Select the target and click the Right click of your mouse, you will see below popup screen.

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	M								
File Configuration File Firmware Log									
		Model Name		М	lac Address	Devic	e Nam	le	IP A
	1	JetWave3320			Firmware Upgra	de .	nix31	1023a	
	2	JetWave3320	P	Ì	Configuration F	ile I	1	Backup	,
	3	JetWave3320	Ę	•	Telnet		sî.	Restor	e
	4	JetWave3320		Þ	Kick		I	Save	
	5	JetWave3320	3	t.	Delete		nix31	.0242	
	6	JetWave3320	Ç)	Reboot Device		nix31	l023e	

There are some convenient quick commands.

The progress of the <u>Firmware Upgrade</u> and <u>Configuration File Backup/Restore</u> is the same which described in above chapter 2.3.3 Configuration File and 2.3.4 Firmware. <u>Configuration File - Save</u>: Save the configuration after you changed setting in edit mode to the device.

<u>Telnet:</u> You can directly telnet to the selected device.

<u>Kick:</u> You can kick the selected device. The status of the device will be changed to "Disconnected". The entry will be kept, the program will wait next update from the device. While you kick the device and export the device list to a file, you can still see the entry.

<u>Delete</u>: You can delete the selected device. The entry will be deleted. While you delete the device and export the device list to a file, you will not see the entry. <u>Reboot Device</u>: You can reboot the selected device.

2.5Panel - Cellular/Network

The chapter describes the Cellular/Network configuration panel information. Some of the fields are editable, you must enter the **"Edit Mode"** if you want to change the settings.

2.5.1 Panel – Cellular

Below screen shows the Cellular Status. Some of the fields are editable, you must enter the **"Edit Mode"** if you want to change the settings.



М				Korenix	Mobi	le Ma	anager v1.0			-	- 0	×	
File	Configuration File	e Firmware Log								Hide Panel	>> Edit Mode	Help	,
	Model Name	Mac Address	Device Name	IP Address	Port	¥e	Status	Last Connected	Cellular	Network			
1	JetWave3320 00:12:77:31:02:3A korenix/31023a 192.168.10.105 65197 0.9b2 Connected 10/08/15 17:20:42 Cellular Status									1			
2	JetWave3320 00:12:77:31:02:38 korenix310238 192.168:10:104 65196 0.9b2 Connected 10:08/15:17:20:42 Last Update Time 10:08:17:36:50												
3	JetWave3320	00:12:77:31:02:3C	korenix31023c	192.168.10.107	65198	0.9Ъ2	Connected	10/08/15 17:20:42	Cellular	Enable	ENABLE	~	
4	JetWave3320	00:12:77:31:02:40	korenix310240	192.168.10.111	65200	0.9b2	Connected	10/08/15 17:20:55	Provide:	r -	NONE	_	
5	JetWave3320	00:12:77:31:02:42	korenix310242	192.168.10.113	65201	0.9Ъ2	Connected	10/08/15 17:20:55	Service	Туре	No Service	_	
6	JetWave3320	00:12:77:31:02:3E	korenix31023e	192.168.10.109	65215	0.9Ъ2	Connected	10/08/15 17:20:58	IMEI Simel S		359998043157421	_	
7	JetWave3320	00:12:77:31:02:32	korenix310232	192.168.10.198	65216	0.9Ъ2	Connected	10/08/15 17:20:58	Connec	hon Status	Disconnected	_	
8	JetWave3320	00:12:77:31:02:36	korenix310236	192.168.10.102	65217	0.9b2	Connected	10/08/15 17:20:59	Cellular	IP Address	Disconnected		
9	JetWave3320	00:11:44:33:55:66	korenixfffff0	192.168.10.132	65505	0.9Ъ2	Connected	10/08/15 17:22:40	-SIM Cou	atrol			
10	JetWave3320	00:12:77:31:02:2E	korenix31022e	192.168.10.194	49305	0.9b2	Connected	10/08/15 17:23:33	SIM Ind	lex	1		
11	JetWave3320	00:12:77:31:02:30	korenix310230	192.168.10.196	49364	0.9Ъ2	Connected	10/08/15 17:23:48	SIM Sel	ection	1	~	
	1	I	1						SIM 1				
									SIM Sta	tus	SIM not inserted		
									APN		internet		
									Authent	ication Type	CHAP	~	1
									Usernan	ne			
									Passwor	d			
	-SIM 2												
Thu	. Oct 08 17:20:0	15 CST 2015 :Dev	rice Deleted: Mo	del=JetWave2310-H	ISPA ,	MAC=0	0:12:77:31:0	0:FC , IP=192.16	SIM Sta	tus			
Thu	Oct 08 17:20:4	2 CST 2015 :Dev	rice Connected:	Model=JetWave3320	, MAC	=00:1	2:77:31:02:3	A , IP=192.168.10	APN				
Thu	Oct 08 17:20:4	2 CST 2015 :Dev	rice Connected:	Model=JetWave3320	, MAC	=00:1	2:77:31:02:3	8 ,IP=192.168.10	Authent	ication Type	PAP	~	
Thu	Oct 08 17:20:4	2 CST 2015 :Dev	rice Connected:	Model=JetWave3320), MAC	=00:1	2:77:31:02:3	C ,IP=192.168.10	Usernan	ne		_	
Thu 《	∩c+ N8 17-20-5	5 CST 2015 - Des	rice Connected-	Model=TetWave3326	ייאע ו	=00.1	2 • 77 • 31 • 02 • 4	IN TP=192 168 11♥ >	Passwor	d			

<u>Cellular Status</u>: In here, you can Enable/Disable Cellular interface, see the Provider,

Service Type, IMEI, Signal Strength, Connection Status and Cellular IP address.

Cellular Network	
Cellular Status	
Last Update Time	10-08 17:36:50
Cellular Enable	ENABLE 🗸 🗸
Provider	NONE
Service Type	No Service
IMEI	359998043157421
Signal Strength	0 dBm
Connection Status	Disconnected
Cellular IP Address	

<u>SIM Settings:</u> In here, you can configure SIM Control and SIM card settings. If the cellular supports dual SIM, you can change SIM selection and change SIM 2 settings.



SIM Control	
SIM Index	
SIM Selection	1 ~
SIM 1	
SIM Status	
APN	internet
Authentication Type	CHAP 🗸
Username	
Password	
SIM 2	
SIM Status	
APN	
Authentication Type	CHAP 🗸
Usemame	
Password	

<u>Advanced Settings</u>: In here, you can Enable/Disable Cellular Communication Watchdog, configure the watchdog timer parameters. You can also enable Cellular Redundant if you inserted dual SIM cards.

<u>GPS Settings</u>: In here, you can Enable/Disable GPS function if you cellular product supports GPS function and see the latest Latitude/Longitude location information.

Advanced	
Watchdog Enable	ENABLE 🗸 🗸
Watchdog IP	8.8.8.8
Watchdog Interval	1 ~
Watchdog Fail Count	1 ~
AutoReconnect	DISABLE 🗸 🗸
ReconnectionDelay	30 🗸
ReconnectionRetries	1 ~
Cellular Redundant	DISABLE 🗸
GPS	
GPS Enable	ENABLE 🗸
Latitude	
Longitude	
Ap	ply

After change the settings in Edit mode, press "Apply" to active the setting.

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Note:

After applied, please select the device and click the "Save" command in Configuration File Toolbar. It means you can permanently save the new configuration.



2.5.2 Panel - Network

Below screen shows the **Network**/LAN Status. Some of the fields are editable, you must enter the **"Edit Mode"** if you want to change the settings.

M				Korenix	Mobi	le Ma	anager v1.0				_ (×
File	File Configuration File Firmware Log Edit Mode Help											
	Model Name Mac Address Device Name IP Address Port Ve Status Last Connected Cellular Network											
1	Jet₩ave3320	00:12:77:31:02:3A	korenix31023a	192.168.10.105	65197	0.9Ъ2	Connected	10/08/15 17:20:42	Last Upd	ate Time	10-08 17:36:51	
2	JetWave3320			192.168.10.104	65196	0.9Ъ2	Connected	10/08/15 17:20:42	Network	Mode	BRIDGE	\sim
3	Jet₩ave3320	00:12:77:31:02:3C	korenix31023c	192.168.10.107	65198	0.9Ъ2	Connected	10/08/15 17:20:42	LAN IP 7	Гуре	STATIC	~
4	JetWave3320	00:12:77:31:02:40	korenix310240	192.168.10.111	65200	0.9Ъ2	Connected	10/08/15 17:20:55	LAN IP A	Address	192.168.10.104	
5	JetWave3320	00:12:77:31:02:42	korenix310242	192.168.10.113	65201	0.9Ъ2	Connected	10/08/15 17:20:55	LAN Net	mask	255.255.255.0	
6	JetWave3320	00:12:77:31:02:3E	korenix31023e	192.168.10.109	65215	0.9Ъ2	Connected	10/08/15 17:20:58	LAN Gat	eway	192.168.10.90	
7	JetWave3320	00:12:77:31:02:32	korenix310232	192.168.10.198	65216	0.9Ъ2	Connected	10/08/15 17:20:58	LAN DR.	51 70	0.0.0	
8	JetWave3320	00:12:77:31:02:36	korenix310236	192.168.10.102	65217	0.9Ъ2	Connected	10/08/15 17:20:59	LAN DR	32	0.0.0	
9	JetWave3320	00:11:44:33:55:66	korenixfffff0	192.168.10.132	65505	0.9Ъ2	Connected	10/08/15 17:22:40				
10	JetWave3320	00:12:77:31:02:2E	korenix31022e	192.168.10.194	49305	0.9Ъ2	Connected	10/08/15 17:23:33				
11	JetWave3320	00:12:77:31:02:30	korenix310230	192.168.10.196	49364	0.9Ъ2	Connected	10/08/15 17:23:48				
Thu	Oct 08 17:20:0 Oct 08 17:20:4	15 CST 2015 :Dev 12 CST 2015 :Dev	rice Deleted: Ma rice Connected:	ndel=Jet₩ave2310-1 Model=JetWave332(ISPA , J ,MAC	MAC=0 =00:1	0:12:77:31: 2:77:31:02:	00:FC ,IP=192.16{ 3A ,IP=192.168.1(
Thu	Oct 08 17:20:4	42 CST 2015 :Dev	rice Connected:	Model=JetWave3320	, MAC	=00:1	2:77:31:02:	38 ,IP=192.168.10				
Thu	Oct 08 17:20:4	12 CST 2015 :Dev	vice Connected:	Model=JetWave3320), MAC	=00:1	2:77:31:02:	3C , IP=192.168.10				
Thu <	Oct 08 17-20-4	NS CST 2015 - Des	rice Connected.	Model=TetWave3321	I MAR	=00+1	7 - 77 - 31 - 02	411 TP=192 168 1(* >			Apply	

After enter the Edit mode, you can change the Network Mode and LAN IP Settings, for example the IP Address, Subnet mask, gateway and DNS settings.

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Cellular Network		Cellular Network	
Last Update Time	10-08 17:41:21	Last Update Time	10-08 17:41:21
Network Mode	BRIDGE 🗸 🗸	Network Mode	BRIDGE
LAN IP Type	BRIDGE	LAN IP Type	STATIC
LAN IP Address	ROUTER	LAN IP Address	STATIC
LAN Netmask	255.255.255.0	LAN Netmask	DHCP
LAN Gateway	192.168.10.90	LAN Gateway	192.168.10.90
LAN DNS1	8.8.8.8	LAN DNS1	8.8.8.8
LAN DNS2	0.0.0.0	LAN DNS2	0.0.0.0

Note:

After applied, please select the device and click the "Save" command in Configuration File Toolbar. It means you can permanently save the new configuration.

M				
File	Con	figuration F	ile	Firmware Log
	I	Backup		Mac Address
1	s de la composición de la comp	Restore		00:11:44:33:55:66
2	/	Save		00:12:77:31:02:3C







Chapter 3

Appendix

Chapter 3 Appendix

In the chapter, we provide some reference information. In chapter 3.1 and 3.2, we copied some related Web GUI configuration settings from our cellular device for your reference. If you already well known of our product, you can ignore this chapter.

For the other Web GUI configuration we don't select, you check the products' user manual.

3.1 JetWave 2310 Cellular Web GUI

This chapter is copied from the JetWave 2310 Cellular Setting Web GUI. You can find the description of the Cellular settings, SIM selection, Connection Watchdog and Mobile Manager Setting.

3.1.1 Basic Settings

The system supports Dual SIM socket, you can select SIM 1 or SIM 2 as the startup SIM socket, and configure whether the 2 SIM socket will Redundant with each other or not.

For 3G SIM settings, normally, you can connect the 3G Gateway to the ISP cellular network without configuring 3G setting. However, in some countries, before the 3G gateway can access the ISP's cellular data network, you may need to enter the APN settings, User Name, Password, Authentication type... on the device. You can use this page to configure the parameters.



3G Basic Settings

Use this page to configure the parameters for 3G.

☐ Disable 3G Interface					
SIM Selection:	● SIM1 ○ SIM2				
3G Redundant:	O Enable				
SIM1 Settings					
APN:	internet				
User Name:					
Password:					
Authentication Type:	● СНАР ○ РАР				
SIM2	Settings				
APN:	internet				
User Name:					
Password:					
Authentication Type:	●снар ○рар				
Connect:	Connect				
Reconnection Delay:	30 (30-65535 Secs)				
Reconnection Retries:	10 (1-65535,0=Unlimited)				
Enable Auto IP Report					
ID Penert to					

Apply Cancel

Disable 3G Interface: You can disable the 3G interface manually.

SIM Selection: SIM 1 means the SIM socket 1, you can see the ID in the front panel. SIM 2 means the SIM socket 2. Select one of it as the startup SIM socket. SIM 1 is the default settings. Please insert the 3G SIM card to the SIM socket you select.

3G Redundant: While you enable 3G Redundant, please insert the dual SIM cards into the two SIM socket before power on the system. Then the Dual SIM will be Redundant with each other while the primary 3G connection is failed. The selected SIM number will be the primary SIM, the other one is backup SIM. The redundant timer is based on your settings of Reconnection Delay and Retries.

3G Redundant Timer = Reconnection Delay x Reconnection Retries + Reset Module Time

For example, while the SIM 1 connection is failure for (30 seconds x 10 times + 30 seconds), the SIM 2 will become primary SIM after **330** seconds. The system may take additional 30 seconds to exchange the SIM from SIM 1 to SIM 2. **Note:** The 3G Redundant is only available while you insert two SIM cards into the socket. If you only insert one, the 3G Redundant will not work. **Note:** Please adjust the Reconnection Delay and Retires based on your

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application, if you requests shorter redundant time, you can modify the delay time or retires times.

SIM 1/ SIM 2 Settings:

Assign below setting for the specific SIM card.

SIM1 Settings	
APN:	internet
User Name:	
Password:	
Authentication Type:	●CHAP ○PAP

APN: Every ISP has a specific APN (Access Point Name) assigned to its cellular network. The system can read this name from the SIM card. You can also find this setting by contacting your ISP to know this. Once you failed to connect your 3G cellular network, this is the first way you can check. Please check with your ISP to know the APN and correctly input the setting through the page.

User Name: The user name for the 3G connection. Normally, this is provided by your ISP.

Password: The password for the 3G connection. Normally, this is provided by your ISP.

Authentication Type: You can select CHAP or PAP per your ISP request. Normally, this is provided by your ISP.

Connect:	Connect	
Reconnection Delay:	30	(30-65535 Secs)
Reconnection Retries:	10	(1-65535,0=Unlimited)

Connect: You can press "**Connect**" to re-connect the 3G connection of the selected SIM card. This progress may take 30 seconds. You will see below popup screen ask you wait 30 seconds.

Wait for 3G connecting.

Please wait for 29 seconds before attempting to access the device again...

Reconnection Delay: Reconnection Delay time is the delay time for each 3G Retry.

Reconnection Retries: This is the times of Reconnection Retry. While 3G is not connected, the system will retry the connection according to the Reconnection Delay time and Retry times.

Note: You should not select the empty SIM and press "Connect" for the empty



socket. This is error configuration.

Auto IP Report:

Most of the ISP assigns the dynamic IP address to the 3G clients and change the IP address every period of time. While you need to remotely control the gateway, you may need additional information generated from the remote 3G client device. The Auto IP Report in JetWave 2310 can meet your need while you need to know the IP address from the product.

Enable Auto IP Report: Press Enable Auto IP Report, the system will automatically update the system information to remote server/URL.

IP Report to URL: Type the correct URL here for your Gateway report to. You can build your own server, rent URL address from ISP or Google Cloud service also supports this functionality. Please check with your ISP or create through Google cloud.

Press "Apply" to activate the new setting.

3.1.2 SIM Security

This page allows you to assign the SIM security. If you (or ISP) already apply the PIN number to your SIM card, you need to configure the correct PIN number for your AP/Gateway.

After correctly enter the PID number, you can start the 3G connection or change the new PIN settings.

SIM	1
SIM Status	SIM OK
Number of Retries Remaining:	3
SIM1 PIN:	
Confirm SIM1 PIN:	
Remember PIN:	🔘 Enable 💿 Disable
PIN Protection: Disable	Disable PIN 🔻

SIM Security Settings



3.1.3 Debug Mode

The page allows you to debug 3G connection. This is applied to JetWave 2310/2311-HSPA.

Debug mode
This page allows you to debug 3G connection.
Save Log File: Save
Enable Detailed Debug mode
Apply Cancel

Select "Enable Detailed Debug mode" and press "Apply" to activate the debug mode.

Press "**Save...**" while the 3G connection is failure, you can know more about the 3GPP process done while 3G connection Retry.

3.1.4 Connection Watchdog

The page allows you to configure the connection watchdog.

In some country, the carrier provider may terminate your cellular connection while you don't transmit data for a period of time. This setting can help you keep the connection always alive.

nis pa specif	ge provides a tool to configure the Conne fied value, the watchdog will reconnect the	ection Watchdog. If the failure count of the Ping reaches he connection.
	Enable Connection Watchdog	
	IP Address to Ping:	8.8.8.8
	Ping Interval:	60 seconds
	Failure Count To Reconnect:	3
	Tallare Count To Reconnect.	5

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Enable Connection Watchdog: Select it to enable the settings.

<u>IP Address to Ping:</u> Type the target IP Address. The device will ping the target by below settings.

Ping Interval: The interval time of the ping.

Failure Count to Reconnect: The failure count to reconnect. If the failure count of the Ping reaches the specified value, the watchdog will reconnect the cellular connection. It can help you keep the cellular connection always alive.

3.1.5 Mobile Manager Setting

With Korenix Mobile Manager Utility can help you collect the IP Address after you installed the cellular devices in the remote field site. You can check the Mobile Manager Utility User Manual for detail operation and configuration. The device acts as the cellular router device, you can assign the target Server IP Address and specific port (TCP port), then the device will automatically update the current IP address and the new IP address once it is changed to the server.

<u>Server:</u> You can Enable or Disable the function. Default value is Disabled.

Mobile Manager Settings

These settings are only for Mobile Manager remote management .

Server:	Enabled Disabled	
Server Address:	60.251.55.126	
Server Port:	2310 (1-65535)	
Control Port (Auto:0):	23001 (0-65535)	

Apply	Cancel
-------	--------

Server Address: Type the Mobile Manager's IP address in this field.

<u>Server Port</u>: The device will update info to server through this port. You can assign specific TCP port number.

<u>Control Port</u>: The Control Port (TCP port) allows you to connect to the device. You can assign specific TCP port number.



3.2 JetWave Web GUI - Maintenance

This chapter is copied from JetWave 2310 Web GUI, Firmware Upgrade and Configuration Backup/Restore functions. It helps you to understand the progresses of our cellular devices.

3.2.1 Firmware Upgrade

In this section, you can update the latest firmware for your AP/Gateway. Korenix provides the latest firmware in Korenix Web site. The new firmware may include new features, bug fixes or other software changes. We'll also provide the release notes for the update as well.

From technical viewpoint, we suggest you use the latest firmware before installing the AP/Gateway to the customer site.

Note that the system will be automatically rebooted after you finished upgrading new firmware. Please remind the attached users before you do this. If you upgrade firmware 3G, the bandwidth may not enough (suggest 1Mbps) to upload firmware file correctly, this is not suggested.

Firmware Upgrade

e allows you upgrad 1e upload because it	e the device firmware to may crash the system.	a new version. I	Please do not power off the d
Select File:			Browse

Type the path of the firmware in <u>Select File:</u> field. Or click "<u>Browse...</u>" to browse the firmware file.

Press "**Upgrade**" to upload the firmware file to the AP/Gateway. After finishing transmitting the firmware, the system will copy the firmware file and replace the firmware in the flash. During the progress, please **DO NOT** power off your system.

3.2.2 Configuration File

The Gateway provides Configuration File Backup (Save Setting to File), Restore (Load Setting from File) and Reset Setting to Default features.

With Backup command, you can save current configuration file saved in the AP/Gateway's flash to admin PC. This will allow you to go to Restore command later

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to restore the configuration file back to the AP/Gateway. Before you restore the configuration file, you must place the backup configuration file to specific folder in the PC. Users can also browse the target folder and select existed configuration file. The AP/Gateway can then download this file back to the flash.

This **Browse...** mode is only provided by Web UI. For CLI, please type specific path of the configuration file.

Configuration File

T F	This page allows you to save current settings to a file or load the settings from the file which was saved previously. Besides, you could reset the current configuration to factory default or reboot the device.						
	Load Settings from File:	Browse Upload					
ĺ	Save Settings to File:	Save					
	Reset Settings to Default:	Reset Include IP Settings					

Backup (Save Setting to File): Press "Save..." to backup the configuration file to specific path/folder in your computer.

Restore (Load Setting from File): Type the path of the configuration file or click "<u>Browse...</u>" to browse the firmware file. The Browse feature is only supported in Web GUI. Press "**Upload**" after the file is selected.

Reset Settings to Default: Press **"Reset"** can reset all the configurations, but not included default IP address to default settings. If you want to reset the IP address to default value, select "Include IP Settings".



Revision History

Version	Description	Date	Editor
V/1 O	1 st released	Oct. 28,	Orwell
V1.0	Firmware Version: V1.0	2015	Hsieh