



Quick Installation Guide



1800mAh 3G Mobile Power Router:MPR-A1
3 IN 1:Power bank, 3G Hotspot, Mini AP

1. Router Power Source & Supply

There are only two (2) sources of power for MPR-A1 Router:

*Via Battery.

*Via External Power.

Note:

Usually, the battery can last for approximately 4hours of usage per full charge.



1.1 Charge battery

There are several ways to charge the battery of MPR-A1 Router's battery:

*Via PC/Notebook USB port.

*Via Power adaptor(5V 1.2A).

*Via General mobile phone charger.

*Via car adaptor.

Steps to charge the battery as below:

step1 : Turn off the MPR-A1 Router.

step 2: Connect Mini 5pin of the USB Charge Cable to MPR-A1 Router's DC power Micro USB port.

step 3: Connect the other end of the USB Charge Cable to either PC/Notebook USB port, or to the Power adaptor USB port, Mobile phone charger car adaptor.

Note:

1.While charging, the MPR-A1 Router's Battery Light is in blue.

2.When full charged, the MPR-A1 Router's Battery Light in no light.

3.We strongly recommended to charge the battery using DC adaptor, and it will take approximately 3 hours to complete the charging.

1.2 Provide power source to Gadget:

The MPR-A1 Router's USB port is also able to provide power source to charge battery of a gadget.

Steps to charge battery as below(illustrated with iPhone):

step 1: Connect iPhone and MPR-A1 Router's USB port by 30pin connector.

step 2: Turn the power switch of the MPR-A1 Router to C. (This step is optional, suggest to implement it to save battery capacity when you no need router function).



Note:

When MPR-A1 Router's Power Switch turn to C, the MPR-A1 Router will be Power-off and charging the smartphone is begun.

When the MPR-A1 Router's Power Switch turn to on, the MPR-A1 Router will be Power-On and the charging of smartphone will also be begun.

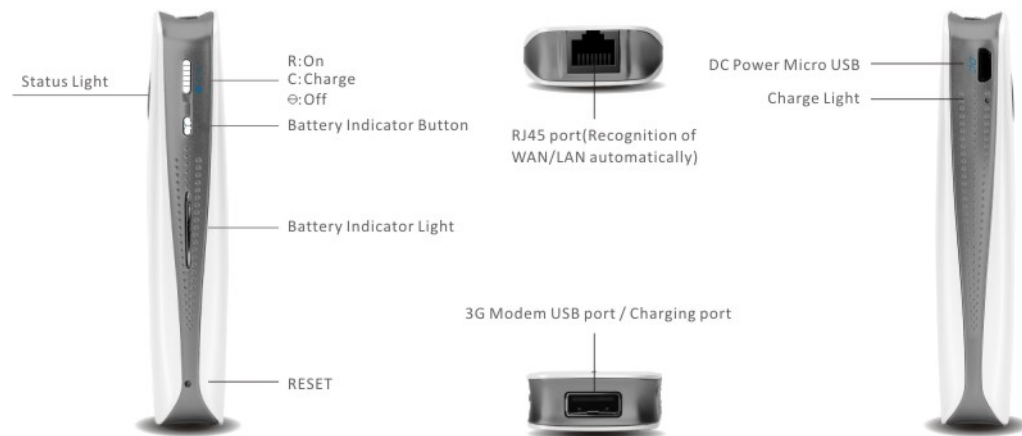
2. Package Contents

- *1x MPR-A1
- *1x Micro USB Charging Cable
- *1x Quick Installation Guide/ Warranty Card

Note:

1. The illustrations in this document may appear different from your model.
2. If any of above items is not packed in your package when open, please consult your reseller immediately.
3. Using a power supply with a different voltage rating will cause damage and void the warranty for this product.

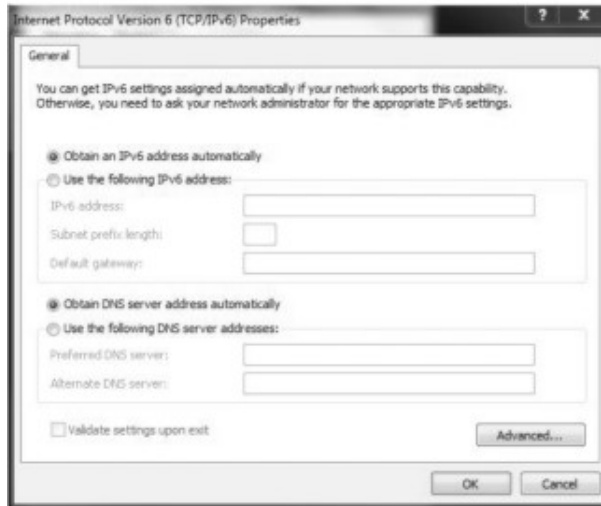
3. Overview



4. Computer Setting

Establish Network Connection

Step 1: Open computer's **wireless network connection**, set the computer to “**automatically obtain IP address**” and “**automatically obtain DNS server address**”. (Picture 1 & 2).



Picture 1



Picture 2

Step 2: Make sure your PC has WiFi function and WiFi status is in “ON” condition. When WiFi is connected, click “**Refresh network list**”, select the router's wireless network name in the “**Wireless Network Connection**” page (wireless network name (SSID): HAME_A1_XXXX), make sure WiFi is connected and internet access is available. Then you can use the internet. Please see picture 3 & 4.



Picture 3

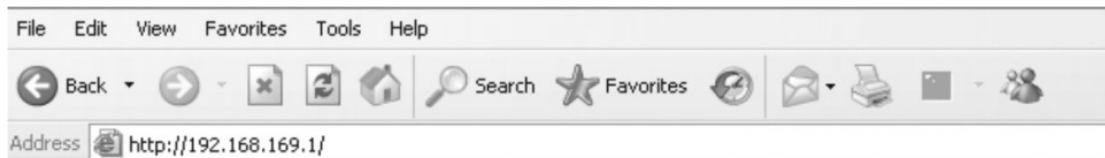


Picture 4

Note1: If your computer or device doesn't have the WiFi function. Please use an RJ45 cable to connect your WiFi device or PC with a 3G Router through the LAN port.

Note2: If you can't surf the internet successfully, then you need to go to step 3.

Step 3: Open the web browser and input IP address 192.168.169.1, Press Enter (Picture 5).



Picture 5

Input password "hame", if you want change password#1.



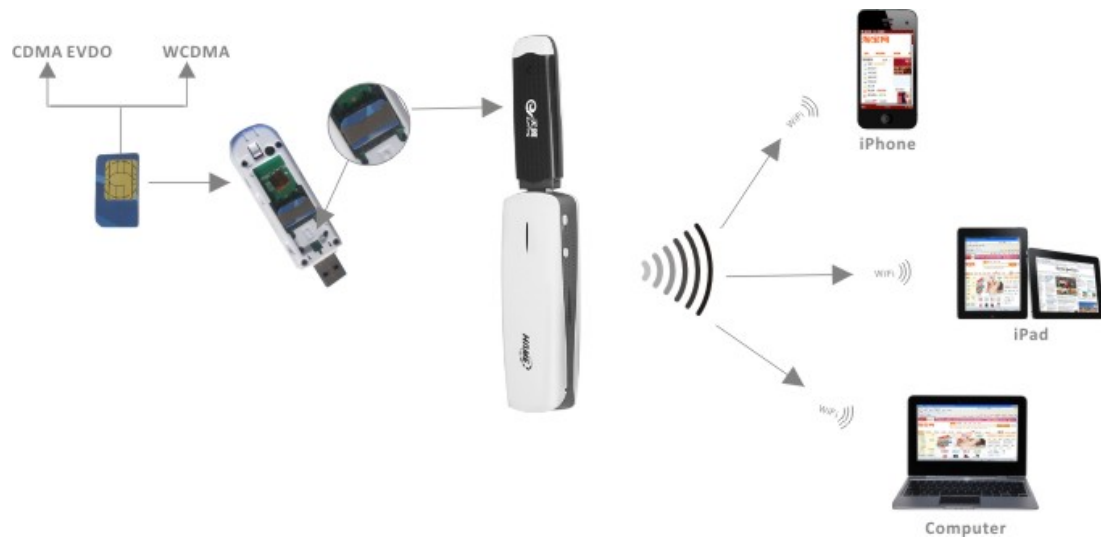
Picture 6

#1: MPR-A1 Router login credential is recommended to change to user preferable password, if lost password, please press Router's Reset button more than 5 seconds to load Factory Default Settings. The password will be back to "hame".

5. Hardware Installation, Please make sure the MPR-A1 power switch in "R"

MPR-A1 Router is designed with various methods of connections to the Internet (either way hardware installation will be different), including:

1. Connect via 3G USB Modem



Before you begin, please make sure you have below items prepared:

- 1.MPR-A1 Router.
- 2.3G USB Modem (compatible#2 with MPR-A1 Router).
- 3.3G SIM Card (with data plan and valid login credential ready).

Hardware Installation Steps:

- step 1. Insert the 3G SIM Card into 3G USB Modem.
- step 2. Insert the 3G USB Modem to the MPR-A1's USB port .
- step 3. Turn on the power of MPR-A1 Router.
- step 4. Make the computer connect the WIFI SSID of MPR-A1(see 4.Computer Setting).
- step 5.Then you could surf.

If you could not surf ,Pls do following operations

- step 1. Open a browser and enter **http://192.168.169.1** at address bar.
- step 2. Enter login credential with password as "hame".
- step 3. Click **Internet > WAN Network**. Make sure that the 3G mode is being selected in **WAN Connection Type >Select Auto APN > Apply#3**.

#2: For 3G USB Modem which is incompatible with the MPR-A1, please contact us immediately.

#3: If you get the APN, Dial No., username, password from operator, you can also input it manually.

2: Connect via iPhone

Before you begin, please make sure you have below items prepared:

1. MPR-A1 Router.
2. iPhone#4(with 3G Internet connectivity ready).
3. iPhone 30Pin connector (for connection between iPhone and MPR-A1 Router).

Hardware Installation Steps:

- step 1: Connect iPhone and MPR-A1 Router's USB port by 30pin connector.

step 2: Turn on iPhone Personal Hotspot from Settings > General >Personal Hotspot#4(please select to turn on USB only when prompted in the iPhone).

step 3: Turn on the power of MPR-A1 Router.



#4:Only applicable to iPhone 3G/3Gs or below, and firmware must below iOS5 (not including iOS5). iPhone 4 and above is eligible in providing Hotspot solely.

3.Connect via ADSL Modem



Before you begin, please make sure you have below items prepared:

- 1.MPR-A1 Router.
- 2.ADSL Modem with Telephone line connected at RJ11.
- 3.RJ45 Cable (use existing RJ45 cable from modem).

Installation Steps:

- step 1. Connect the LAN port of ADSL Modem and WAN/LAN port of MPR-A1 Router by RJ45 cable .
- step 2. Turn on the power of both ADSL Modem and MPR-A1 Router.
- step 3. Make the computer connect the WIFI SSID of MPR-A1(see 4.Computer Setting).
- Step 4. Open a browser, login with password "hame", then input relevant ADSL login credential#5 (ID and Password) in the pop up menu. Press OK.
- step 5. Then you could surf.

If you could not surf ,Pls do following operations:

- step 1. Open a browser and enter http://192.168.169.1 at address bar.
- step 2. Enter login credential with password as "hame".
- step 3. Click Internet > WAN Network. Make sure that the PPPOE(ADSL) is being selected in WAN Connection Type.
- step 4.Please make sure User Name and Password are correct.

#5:For unsuccessful login with the ADSL credential, kindly contact the ADSL ISP (Internet Service Provider) Immediately.

4. Connect via Cable/DHCP Modem

Before you begin, please make sure you have below items prepared:

1. MPR-A1 Router.
2. Switch or Router with Internet access ready(eg:existing office LAN, hotel LAN, etc which has Internet facility ready).
3. RJ45 Cable (use existing RJ45 cable from modem).



Hardware Installation Steps:

- step 1. Connect the LAN port of Switch or Router and WAN/LAN port of MPR-A1 Router by RJ45 cable .

- step 2. Turn on the power of MPR-A1 Router.
- step 3. Make the computer connect the WIFI SSID of MPR-A1(see 4.Computer Setting).
- step 4. Then you could surf.

If you could not surf ,Pls do following operations:

- step 1. Open a browser and enter **http://192.168.169.1** at address bar.
- step 2. Enter login credential with password as "hame".
- step 3. Click **Internet > WAN Network**. Make sure that the DHCP is being selected in **WAN Connection Type** .

5.Connect via WIFI Hotspot

Before you begin, please make sure you have below items prepared:

- 1.MPR-A1 Router.
- 2.WIFI account.



Installation Steps:

- step 1. Turn on the power of MPR-A1 Router.
- step 2. Make the computer connect the WIFI SSID of MPR-A1(see 4.Computer Setting).
- step 3. Open a browser and enter <http://192.168.169.1> at address bar.
- step 4. Enter login credential with password as "hame".
- step 5. Click Internet>WAN Network. Make sure that the WIFI mode is being selected in WAN Connection Type. Click at Get APlist from air, then select the SSID that the ISP provides and type the Password, press Apply.

6. Configure the Router(Web-GUI)

6.1 Connections Status:

Display the current network's connection status, including Signal Performance, Network Mode, etc .Click at Home to find out more details.

6.2 WIFI Management :

To configure the WiFi of the Router, including to turn On or Off the WiFi, assign SSID, assign

WiFi password, etc. Below are a few major WiFi configuration that mostly concerns:

a) Setting WiFi SSID

Click the **Wireless > WiFi Settings**, enter desire WiFi SSID at **NetworkName(SSID)** then click Apply.

b) Forget WiFi password or SSID

Load Factory Default settings by clicking **Admin > Settings > Load Default** Button. Alternatively, user may press the Reset button from the button of the device for more than 5seconds, a reboot will be happening. It will no need password for WiFi access.

c) Setting Security Method

WiFi default security method is **Disable**. Please make sure that the router's encryption method is same as the device or PC Encryption method if want to configure the security method, click **Wireless > Security > Security mode**. Select security, same as the PC or WiFi Device. Please make the number of the passwords in 8-64bits.

6.3 Manual APN:

Firstly setting "3G" mode: **Internet > WAN Network > WAN Connection Type > 3G**, then select "**Manual APN**" > fill in **APN** information accordingly and press "**Apply**".

The screenshot shows the 'Wide Area Network (WAN) Settings' page. At the top, there are navigation icons for Home, Internet, Wireless, Firewall, and Admin. Below the title, a text box explains that users can choose different connection types and configure parameters. The main form area is titled 'WAN Connection Type:' and contains several fields. A dropdown menu is open, showing the following options: '3G' (selected), 'STATIC (fixed IP)', 'DHCP (Auto config)', 'PPPOE (ADSL)', '3G', 'WIFI', 'SMART', and 'PPPD TimeOut (seconds) 10'. Below the dropdown, there are radio buttons for 'Use Pin' and 'Unused Pin', with 'Unused Pin' selected. There are also radio buttons for 'Manual APN' and 'Auto APN', with 'Manual APN' selected. The form includes input fields for '3G Mode', 'Run Type', 'PIN Setting', 'APN', 'Dial Number', 'User', and 'PassWord'. The '3G Mode' field is currently empty.

7. Compatibility Test List (USB Modem)

ID	Brand	Model	Customer checked support	Remarks	3G System
1	Aircard	932			HSPA
2	Aircard	951			HSPA
3	Aircard	V 721			HSPA
4	Aircard	2417C-U302			HSPA
5	Aircard	800h	Yes		TD-SCDMA
6	Aircard	Aircard901			TD-SCDMA
7	Aircard	DTM5731			TD-SCDMA
8	Alcatel	One Touch X060S	Yes		HSPA
9	Alcatel	One Touch X200	Yes		HSPA
10	Anydata	ADU-520c	Yes		EV-DO
11	Anydata	ADU-520L	Yes		EV-DO
12	Anydata	ADU-555C	Yes		EV-DO
13	ASB	W720			HSPA
14	AT&T	AC885			HSPA
15	AT&T	N7NC885			HSPA
16	AT&T	SIERRA WIRELESS			HSPA
17	Axesstel	MV-140A	Yes		HSPA
18	Axesstel	MV-140B		No USIM version	EV-DO
19	b.mobile	locked			HSPA
20	Bandlux	c120			HSPA
21	Bandlux	c170			HSPA
22	Bandlux	c180			HSPA
23	Bandlux	c270			HSPA
24	Bandlux	c321			HSPA
25	Brandlux	C100S			HSDPA
26	Coolpad	CT180			EV-DO
27	Cricket	UM 185C	Yes		EV-DO
28	D-Link	DWM156			HSPA
29	D-Link	DWM-162-U5			EV-DO
30	D-Link	DWM-652	Yes		HSPA
31	D-Link	DWM-162-U5			EV-DO
32	Epivalley	SEC-8089	Yes		EV-DO
33	Franklin	CDU-680		No USIM version	EV-DO
34	GI0322	HW V42			HSPA
35	Gold Space	E800			EV-DO

36	HAME	521K			EV-DO
37	HAME	521M		new version	EV-DO
38	HAME	521M		old version	EV-DO
39	HAME	521Q			EV-DO
40	HAME	526D			EV-DO
41	HAME	619U+			EDGE
42	HAME	620A			HSDPA
43	HAME	620C			HSDPA
44	HAME	621A			HSDPA
45	HAME	621B			HSDPA
46	HAME	621G			HSPA
47	HAME	621H			HSDPA
48	HAME	622A			HSDPA
49	HAME	622C			HSDPA
50	HAME	622G			HSPA
51	HAME	625A			HSDPA
52	HAME	628U			HSDPA
53	HAME	630A			HSPA
54	HAME	631G			HSPA
55	HAME	631N			HSPA
56	HAME	631Q			HSPA
57	HAME	632G			HSPA
58	HAME	638U			HSPA
59	HAME	T336			HSPA
60	HAME	511D			EV-DO
61	HAME	521D		Qualcomm chipset	EV-DO
62	HAME	521D		VIA chipset	EV-DO
63	HOJY WIRELESS	ST ERICSSON			TD-SCDMA
64	Huawei	E156			EV-DO
65	Huawei	E1692		Needs customer testing	EV-DO
66	Huawei	EC122			EV-DO
67	Huawei	EC1260			EV-DO
68	Huawei	EC1261			EV-DO
69	Huawei	EC1270			EV-DO
70	Huawei	EC167			EV-DO
	Huawei	EC176			EV-DO
	Huawei	EC177			EV-DO
71	Huawei	EC169			EV-DO
72	Huawei	EC226			EV-DO
73	Huawei	EC306			EV-DO

74	Huawei	EC306-2			EV-DO
75	Huawei	2910			HSPA
76	Huawei	E122			HSPA
77	Huawei	E153			HSPA
78	Huawei	E1552			HSDPA
79	Huawei	E156G			HSDPA
80	Huawei	E160		Data card locked, need customer confirm	HSDPA
81	Huawei	E1612			HSPA
82	Huawei	E1630			HSDPA
83	Huawei	E166			HSDPA
84	Huawei	E169			HSDPA
85	Huawei	E170			HSPA
86	Huawei	E172		Data card locked, need customer confirm	HSPA
87	Huawei	E173			HSPA
88	Huawei	E1750			HSPA
89	Huawei	E1752			HSPA
90	Huawei	E1752C			HSPA
91	Huawei	E1756C		Data card locked, need customer confirm	HSPA
92	Huawei	E176			HSPA
93	Huawei	E1762			HSPA
94	Huawei	E176G			HSPA
95	Huawei	E1780			HSPA
96	Huawei	E1782			HSPA
97	Huawei	E180			HSPA
98	Huawei	E1820			HSPA+
99	Huawei	E182E			HSPA+
100	Huawei	E220			HSDPA
101	Huawei	E226			HSDPA
102	Huawei	E261			HSDPA
103	Huawei	E270			HSDPA
104	Huawei	E353			HSPA+
105	Huawei	E510	Yes		HSPA
106	Huawei	E73			HSPA
107	Huawei	EC121			EV-DO
108	Huawei	EC189			EV-DO
109	Huawei	EG162G			EDGE
110	Huawei	ET127			TD-SCDMA

111	Huawei	ET128			TD-SCDMA
112	Huawei	ET128-2			TD-SCDMA
113	Huawei	MD_@		Data card locked, need customer confirm	HSPA
114	Huawei	UMG1691			HSDPA
115	Huawei	UMG1831			HSDPA
116	HXI				EV-DO
117	IFOX	820			HSPA
118	Jadpad	TJP-W100			HSPA
119	Lenovo	W100			EV-DO
120	Lenovo	CE210			EV-DO
121	Linktop	lw273			HSDPA
122	Longcheer	WM71	Yes		HSPA
123	Micromax	MMX 300G			HSPA
124	NEXT	USB301			HSDPA
125	Novatel	MC930D			HSPA
126	Novatel	MC950D			HSPA
127	Novatel	MC990D			HSPA
128	Novatel	MC996D			HSPA
129	Option	225			HSPA
130	OPTION	GI0401			HSPA
131	Option	GI0431			HSPA
132	Option	GI0451			HSPA
133	Option	icon 210			HSPA
134	Option	U12			HSPA
135	Orange	GI0225			HSPA
136	Pantech	PX-500		No USIM version	EV-DO
137	PROLINK	PSH101			HSPA
138	ROGERS	MD400		Data card locked, need customer confirm	HSPA
139	SAMSUNG				HSPA
140	sanmu				HSPA
141	sentar modem	ILD72A			HSDPA
142	SIERRA WIRELESS	USB 301			EV-DO
143	SMART BRO				HSPA
144	Sony Ericsson	MD300		Data card locked, need customer confirm	HSPA
145	sprint Mobile Broadband	U720			EV-DO
146	telenor				HSPA

147	TimesPower	WM2080A-110			EV-DO
148	Tj	1602			EV-DO
149	Tj	1603			EV-DO
150	TXT	EV-88			EV-DO
151	TXT	W-11			HSPA
152	TXT	W-11			HSDPA
153	TXT	W-12			HSDPA
154	Vodafone	K3760			HSPA
155	Vodafone	E272			HSPA
156	Vodafone	K3520			HSDPA
157	Vodafone	K3565			HSDPA
158	Vodafone	K3565 (Rev2)			HSDPA
159	Vodafone	K3565-Z			HSPA
160	Vodafone	K3570-Z		Data card locked, need customer confirm	HSDPA
161	Vodafone	K3571-Z		Data card locked, need customer confirm	HSDPA
162	Vodafone	K3715			HSPA
163	Vodafone	K3760			HSPA
164	Vodafone	K3765			HSPA
165	Vodafone	K3765-Z			HSPA
166	Vodafone	CE1588			HSDPA
167	Wei wen	black			EV-DO
168	Wei wen	black		no need driver	EV-DO
169	ZTE	AC2726			EV-DO
170	ZTE	AC2728			EV-DO
171	ZTE	AC2736			EV-DO
172	ZTE	AC2746			EV-DO
173	ZTE	AC2766			EV-DO
174	ZTE	AC305		Data card locked, need customer confirm	EV-DO
175	ZTE	AC560			EV-DO
176	ZTE	AC560		enganced version	EV-DO
177	ZTE	AC580			EV-DO
178	ZTE	AC581			EV-DO
179	ZTE	AC582			EV-DO
180	ZTE	AC583			EV-DO
181	ZTE	AC590			EV-DO
182	ZTE	AC591			EV-DO

183	ZTE	AC682			EV-DO
184	ZTE	AC8710			EV-DO
185	ZTE	M801			HSPA
186	ZTE	MF100			HSPA
187	ZTE	MF100		other customer 's customization modem	HSPA
188	ZTE	MF110			HSPA
189	ZTE	MF110		other customer's customization modem	HSPA
190	ZTE	MF112		Data card locked, need customer confirm	HSUPA
191	ZTE	MF180			HSDPA
192	ZTE	MF190			HSDPA
193	ZTE	MF190B			HSUPA
194	ZTE	MF190J			HSUPA
195	ZTE	MF192			HSDPA
196	ZTE	MF193			HSDPA
197	ZTE	MF196			HSDPA
198	ZTE	MF622			HSPA
199	ZTE	MF626			HSDPA
200	ZTE	MF627			HSDPA
201	ZTE	MF628			HSPA
202	ZTE	MF631			HSDPA
203	ZTE	MF633			HSDPA
204	ZTE	MF633BP+			HSDPA
205	ZTE	MF633R			HSDPA
206	ZTE	MF636		Data card locked, need customer confirm	HSDPA
207	ZTE	MF637U			HSPA
208	ZTE	MF656A			HSPA
209	ZTE	MF668			HSPA
210	ZTE	MF668A			HSPA
211	ZTE	MF669			HSPA+
212	ZTE	MF680			HSPA
213	ZTE	MF820D			HSPA
214	ZTE	MU 350			TD-SCDMA
215	ZTE	MU 351			TD-SCDMA

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution.

Specific Absorption Rate (SAR) information:

This Wireless Router meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: A1(FCC ID: R7FA1 has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use at the body is 0.743W/kg. This device was tested for typical body-worn operations with the back of the handset kept 0.5cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0.5cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.