

# **RTL8188EUS User's Manual**

CB1&CB2 Android



Version	Author	Modification	Check
V-0.1-20150121	Payne	Init version	



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### **1. Abstract**

Rtl8188eus is a usb wifi module ,which can support wifi & hostapd fuction .Both A10&A20 can support this usb module ,but the hostapd function for a10 can not work .

### 2. Hardware requirements

- Cubieboard1 or Cubieboard2
- · Cubieboard WiFi-mod-8188eus
- A HDMI cable, network cable
- A mouse, keyboard and display

#### 3. Software requirements

Android System

Firmware compression package :

Cubieboard1 : <u>http://dl.cubieboard.org/modules/RTL8188EUS/image/cb1-android/</u>

Cubieboard2 : http://dl.cubieboard.org/modules/RTL8188EUS/image/cb2-android/

The document also applies to the following firmware at the same time

http://dl.cubieboard.org/model/cubieboard1/Image/android/android-tvbox-v2.2/androidtvbox-8188eu-cb1-nand-v2.2.img.7z



## 4. Wireless connection

### 4.1. The hardware connection



## 4.2. Power on, set the connect of WiFi

Click Settings, as follow :





After click on the Settings shown below, click Wi-Fi options to open WiFi function, click to what you want to connect the WiFi signal.

Settings		<i>(</i> ) + :
US WIRELESS & NETWORKS		
Wi-Fi     ON     Data usage	CUBIETECH-303 Secured with WPA2	₹.
More	CUBIETECH_2.4GHz Secured with WPA/WPA2 (WPS available)	₹.
DEVICE	LimingDev Secured with WPA2	<del>s</del>
Display	wabook_eng Secured with WPA/WPA2 (WPS available)	₹.
🗮 Storage	DIRECT-AW-MiniMax Secured with WPA2	₩.
Apps	oceandat Secured with WPA/WPA2 (WPS available)	₩.
DE USERS PERSONAL	CUBIETECH_202 Secured with WPA2	₹.
Location access	OneSpace Secured with WPA2 (WPS available)	₩.
Security ↓ ↓ ↓ ↓ ↓ ↓ ↓		() 18:56 ∠1100%

#### Input a password in the below , click Connect :

Settings	CUBIETECH-:	303		Ø	
WIRELESS & NETWORKS	Signal strength Security	Excellent WPA2 PSK			
O Data usage More	Password	Show password	65 65		
DEVICE	Cance	·	Connect	¢	
1 2 3	4 5	5 6 <sup>.</sup>	7 8	9 0	•2
#\$%	&	* -	+ (	)	Done
~\{ < >	=	: ;	• ·	!?	~\{
abc / @				" –	
					18:56 🛛 🛢 100%



It has been connected to the WiFi as follow, the signal source for "CUBIETECH-303"

Settin	ngs		67	+	:
13	WIRELESS & NETWORKS	Wi-Fi			
	Vi-Fi ON	CUBIETECH-303 Connected	ŧ.		
	O Data usage				
	More	Secured with WPA/WPA2 (WPS available)	<b>R</b>		
	DEVICE	LimingDev			
	🕀 Sound	Secured with WPA2			
	O Display	DIRECT-AW-MiniMax Secured with WPA2	₹.		
	E Storage	wabook_eng Secured with WPA/WPA2 (WPS available)	₹.		
	🔄 Apps	CUBIETECH_202	-		
	2 Users	Secured with WPA2	· ·		
	PERSONAL	H3C-BENN Secured with WPA	₽.		
	Location access	oceandat Secured with WPA/WPA2 (WPS available)			
t c			P 🖪 18:5	7 🖘 🛙 🖻	100%

Return to the main interface, click on the browser, enter and input <u>www.baidu.com</u> in the address bar, look to whether can connect to the Internet, as below:





## 5. WiFi hotspot

## 5.1. Setting WiFi hotspot

Connect to line, open the Ethernet connection, enter the Settings interface as shown below, click More, click below the right "Ethernet".

Settings	
لک WIRELESS & NETWORKS	Wireless & networks
<ul> <li>Wi-Fi</li> <li>OFF</li> <li>Data usage</li> </ul>	Airplane mode
More	Ethernet
DEVICE	PPPOE Settings
M Sound	VPN
O: Display	
Storage	Portable hotspot
Apps	Mobile networks
PERSONAL	
Location access	
Security	
	🔊 17:43 🚅 🗹 🗈 100%



#### Click the "Use Ethernet" as follow:

Set	ttings		
2	WIRELESS & NETWORKS	Wireless & networks Ethernet Use Ethernet CONNECTED USED DEVICE:eth0	
	More	ETHERNET DEVICES eth0 MAC: 02:18:07:42:8A:C8 IP Mode:DHCP	
	<ul><li>Image: Sound</li><li>Display</li></ul>	ETHERNET CONFIGURE MAC Address 02:18:07:42:8A:C8	
	■ Storage Apps	IP Address 192.168.3.112	
	Users PERSONAL	Advanced Configure	
	<ul> <li>Location access</li> <li>Security</li> </ul>		
¢		iii 17:4	3 🚅 🖉 100%

## Checking if can you connect the Internet

	Webpage n	ot available	百度一下,	,你就知道	×	🚯 Webp	age not available	+								:
4	°→ C	🛛 http:/	/www.baidu	.com/										☆	_ Q <b>,</b>	
								新闻	hao123	地图	<u>视频</u>	贴吧	登录	<u>设置</u>	更多产	≍品
						Ba	ai 👜	百度								
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			I								百度	E−下				
<u>(</u>	$\sim$		Ϋ́	り の	1								6	17:43	<b>-</b> 41	00%



Enter the interface of Settings, select "More....", then click on "Portable hotspot" below the right of option, enter the WiFi hot set options:

Set	tings		
43	WIRELESS & NETWORKS		
0	♥ Wi-Fi	Airplane mode	
	O Data usage	Ethernet	
	DEVICE	PPOF Settions	
	<b>∯</b> ∉ Sound		
	Display     Storage		
	Apps	Portable hotspot	
	🚊 Users	Mobile networks	
	Eccation access		
	A Security		
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Click the "Set up Wi-Fi hotspot" to set the hot basic information as follow:

99	Settings		
G	WIRELESS & NETWORKS	Wireless & networks   Portable hotspot	
	♥ Wi-Fi	Portable Wi-Fi hotspot	
	Data usage     More	Set up Wi-Fi hotspot Android #188eu W242 PSV nortable Wi-Fi hotened	
Ĵ	DEVICE	лалоци-отоцец нима и сак роланае ни и поциро.	
	€ Sound		
	E Storage		
	🛃 Apps		
	2 Users		
	Location access		
	A Security		
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#### Set the SSID and password :

	Settings			Set	up Wi-Fi	hotspot								
WIRELESS & NETWORKS     Network SSID       Image: WI-Fi     Android-8188eu       Image: WPA2 PSK     Security       Image: WPA2 PSK     Password       Image: DEVICE     The password       Image: Wire at least 8 characters     Image: Show password														
1		2	3	4		5	6	1	7	8	9	T	0	•8
	#	\$		%	&	*		-	+		(	)		Done
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Click on the "Portable Wi-Fi hotspot" to open, the WiFi hotspot start-up success as follow:

=	Settings						
	WIRELESS & NETWORKS	Wireless & networks   Portable hotspot					
	🗣 Wi-Fi OFF	Portable Wi-Fi hotspot					
	🕚 Data usage	Portable hotspot Android-8188eu active					
0	More	Set up Wi-Fi hotspot Android-8188eu WPA2 PSK portable Wi-Fi hotspot					
	DEVICE						
	Sound						
	O Display						
	🔳 Storage						
	🛃 Аррз						
	🚊 Users						
	PERSONAL						
	Location access						
	Security						
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## 5.2. Testing