DR5018S USER MANUAL

1.IPQ5018 UI settings 2.DR5018S UART configuration 3.DR5018S GPS



DR5018S

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1.Input the IP 192.168.1.1 and login

2.Input the username "admin" password

"password" then press the button "Login"

SuperWireless FIRMWARE-2	167-202208232026 unknown Load: 0.01 0.10 0.11	[] 💻
Authorization Required Please enter your username and passw	rd.	
Username	🌡 admin	
Password	"	
		Reset Login

3. Network setting

- IP Setting: setting IP in the path "network->Interfaces->LAN->IPV4 address"
- DHCP setting:DHCP and other protocol setting in the path network-> Interfaces-> I AN->protocol"

SuperWireless FIRMWARE-2167-20220	8232026 unknown Load: 0.00 0.09 0.10 Auto Re	fresh: on
tatus System Network Logout	いん むん むん むん むん むん ひん	XTATATATATATA
nterfaces Wifi VLANs Diagnostics F	irewall Multi-WAN	
van wang <mark>lan</mark>		
terfaces - LAN		
this page you can configure the network interface arfaces separated by spaces. You can also use <u>VL</u> Common Configuration		bridge interfaces" field and enter the names of several network
General Setup Advanced Settings Physica	I Settings Firewall Settings	
Status	Uptime: 0h 43m 38s MAC.Address: C4:4B:D RX: 43.16 MB (30742 Pk TV: 8.49 MB (29566 Pkts TV4: 192.168.1.1/24	ts.)
Protocol	Static address	~
	Static address 192.168.1.1	▼
IPv4 address		v v
IPv4 address IPv4 netmask	192.168.1.1	
IPv4 address IPv4 netmask IPv4 gateway	192.168.1.1	
IPv4 address IPv4 netmask IPv4 gateway IPv4 broadcast	192.168.1.1	
Protocol IPv4 address IPv4 netmask IPv4 gateway IPv4 broadcast Use custom DNS servers IPv6 assignment length	[192.168.1.1 [255.255.255.0 [[[[[[[[[[[[[[[[[[[



4. Wireless setting

login the path network->Interfaces->WIFI, then choose one wifi,we select

the red marked as example, click the button 'Edit'

SSID	MAC-Address	IPv4-Address	Noise	Rssi	RX Rate	TX Rate	TxCCQ	Up Time
ssociated Stations								
15% SSID: Ope BSSID: C4	nWrt Mode: Master :4B:D1:A0:3A:83 Encryption: None						Disable	🔏 Edit 💉 Re
Generic Ather Channel: 11 (2.4	os 802.11bgnax (wifi0) 62 GHz) Bitrate: 286 Mbit/s							🗋 Scan 🎽)
/ireless Overview								
wifi0: Master "OpenWrt"								
	n Static Routes Diagnostics Firewall Mul	ti-WAN		PERSONAL SPECIAL SPECI				ALCORPORT ALCORD
Status System Servic	es Network Logout		NGC NGC LOGIC		HEATER AREA	and the second second	ATTONIA ATTON	



The detail information show in the picture as below:

- Channel:for channel select;
- Transmit Power:signal chain power setting; ESSID:for ID
- Mode:it support 4 mode AP,AP(WDS),client,client(WDS) Wireless
- Security: for Encryption setting

	Changes: C
SuperWireless FIRMWARE-2167-20220823202	66 unknown Load: 0.00 0.07 0.09 Auto Refresh: on
Status System Network Logout	
Interfaces Wifi VLANs Diagnostics Firewall	Multi-WAN
wifi1: Master "OpenWrt" wifi0: Master "OpenWrt"	
Vireless Network: Master "OpenWrt" (ath	0)
he Device Configuration section covers physical settings of	i the radio hardware such as channel, transmit power or antenna selection which are shared among all defined le). Per network settings like encryption or operation mode are grouped in the <i>Interface Configuration</i> .
" Device Configuration	
General Setup	
Status	Mode: Master SSID: OpenWrt BSSID: 00:4B:D1:A0:02:0B Encryption: WPA2 PSK (CCMP) Channel: 149 (5.745 GHz) Tx-Power: 25 dBm Signal: 1 dBm Noise: -98 dBm Bitrate: 573.0 Mbit/s Country: US
Wireless network is enabled	(Disable
Country Code	US - United States V
Mode	802.11axa 🗸
Channel Spectrum Width	40MHz 🗸
Frequency	auto 🗸
Block Dfs Channel list	🗹 🍘 Block Dfs Channel list
Background ACS scan	Automatically scan and switch to best channel after a period of time, default is 60 seconds
Scan List:	Enable Scan List
	□ 36 (5.180 GHz) □ 40 (5.200 GHz) □ 44 (5.220 GHz) □ 48 (5.240 GHz)
	□ 149 (5.745 GHz) □ 153 (5.765 GHz) □ 157 (5.785 GHz) □ 161 (5.805 GHz)
	□ 165 (5.825 GHz)
Transmit Power	25 dBm (316 mW)



In advance setting you can select which chain do you need, which BW do you need and so on

ESSID	OpenWrt	
Mode	Access Point (WDS)	
Guard Interval	Short 🗸	
Hide <u>ESSID</u>		

In the end, you need click the button "Save & Apply", and wait for 2 minutes, then you can enjoy it.



5. Backup archive

Login System->Backup/Flash Firmware; Then click the button "Generate archive" Then download the archive

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tus System Netwo	ork L	ogout		2 2 3 1 2 5 1				
tem Administration	Services	LED Configuration	Backup / Fl	lash Firmware F	Reboot			
h operations								
ons Configuration								
. <mark>OGDUMP</mark> lick LOGDUMP" to down	load log dun	nped file.						
Download LOGDUMP:			🛄 Generat	e logdump				
ossible with squashfs in		a tar archive of the c	-		the firmware to its in	itial state, click	"Perform res	set" (only
oossible with squashfs in Download backup:		a tar archive of the c	Generat	e archive	the firmware to its in	itial state, click	: "Perform res	set" (only
ossible with squashfs in Download backup: Reset to defaults:	nages).		Generat	e archive reset	: the firmware to its in	itial state, click	: "Perform res	set" (only
oossible with squashfs in Download backup:	nages).		Generated bac	e archive reset	: the firmware to its in		"Perform res	set" (only
oossible with squashfs in Download backup: Reset to defaults: To restore configuration Restore backup:	nages). files, you car		Generated bac	e archive reset kup archive here.			"Perform res	set" (only
ossible with squashfs in Download backup: Reset to defaults: To restore configuration Restore backup: Flash new firmware Upload a sysupgrade-cor	nages). files, you car image npatible ima	n upload a previously ge here to replace the	I Generat I Perform generated bac 选择文件	e archive reset kup archive here.] 未选择任何文件	🚺 Upload	archive		
ossible with squashfs in Download backup: Reset to defaults: To restore configuration	nages). files, you car image npatible ima	n upload a previously ge here to replace the	I Generat I Perform generated bac 选择文件	e archive reset kup archive here.] 未选择任何文件	🚺 Upload	archive		



6.Update new image

Login System->Backup/Flash Firmware; Then click the button "flash image" Then click the button "Proceed" warning don't power off wait for about three minutes Then the system will reboot automatic.

Then login again, you can enjoy it.





7. wireless encryption

Login System->Network/wifi/Edit->Choose 5G radio Country Coad choose " US " click the button"Wireless Security" Then choose "WPA3" and set password Notice:SAE/SAE PWE/SAE MFP click " $\sqrt{}$ "

ireless Network: Master "OpenW	/rt" (ath0)
	settings of the radio hardware such as channel, transmit power or antenna selection which are shared among all define SID capable). Per network settings like encryption or operation mode are grouped in the <i>Interface Configuration</i> .
General Setup	
Status	Mode: Master SSID: OpenWrt BSSID: 00:48:D1:A0:02:08 Encryption: WPA2 PSK (CCMP) Channel: 149 (5:745 GHz) Tx-Power: 25 dBm Signal: 1 dBm Noise: -98 dBm Bitrate: 573.0 Mbit/s Country: US
Wireless network is enabled	3 Disable
Country Code	US - United States
Mode	802.11axa 🗸
Channel Spectrum Width	40MHz V
Frequency	auto 🗸
Block Dfs Channel list	🗹 🕘 Block Dfs Channel list
Background ACS scan	. Automatically scan and switch to best channel after a period of time, default is 60 seconds
Scan List:	□ Enable Scan List □ 36 (5.180 GHz) □ 40 (5.200 GHz) □ 44 (5.220 GHz) □ 48 (5.240 GHz)
	□ 149 (5.745 GHz) □ 153 (5.765 GHz) □ 157 (5.785 GHz) □ 161 (5.805 GHz)
	□ 165 (5.825 GHz)
Transmit Power	
Interface Configuration	
General Setup Wireless Security MAC	-Filter Advanced Settings
Encryption	WPA3 🗸
SAE	
SAE PASSWORD	12345878
SAE PWE	



7. wireless encryption

E	SuperWirel	ess FIRMWARE-2167-202	208232026 unknown	Load: 0.01 0	.04 0.07 Aut	o Refresh: on					Changes
25									ĺ		
atus	System	Network Logout	14141414141		19694196	1917191	RIR I RI	19191	Rist	115	191519
terface	es Wifi	VLANs Diagnostics	Firewall Multi-WAN	U.							
ifi1: Ma	aster "Oper	Wrt" wifi0: Master "Ope	enWrt"								
reles	s Overvi	ew									
<u>@</u>	Generic Channel:	Atheros 802.11anaca 149 (5.745 GHz) Bitrate	x (wifi0) 1: 573 Mbit/s					D	Scan		Add
		D: OpenWrt Mode: Mast SID: 00:4B:D1:A0:02:0B		SK (CCMP)		0	Disable		Edit		Remove
<u>@</u>	Generic Channel:	Atheros 802.11bgnax 1 (2.412 GHz) Bitrate: 2	(wifi1) 286 Mbit/s					ß	Scan		Add
		D: OpenWrt Mode: Mast SID: 00:4B:D1:A0:EE:E7				0	Disable		Edit	×	Remove
ocia	ted Stati	ons									
	SSID	MAC-Address	IPv4-Address	Noise	Rssi	RX Rate		Rate	TxCC	-	Up Time
	OpenWrt	A2:E9:FE:4A:58:12	192.168.1.243	-98 dBm	38(36,34)	275.3 Mbit/s	137.6	Mbit/s	0%	F	24 s



DR5018S UART configuration

1. Introduction

The photo below shows how to use the Uart for DR5018S







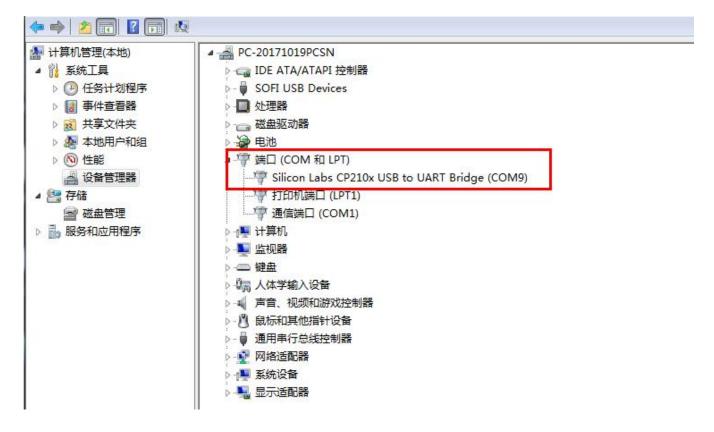
DR5018S UART configuration

2. Device connect

Step 1:Connect the cable to the DR5018S As the picture as above,the sequence of the signal in the UART

Connector:GND,TX,RX,VCC, And we need use GND connect black cable,TX connect to white cable,RX connect to Green cable VCC don't use.

Step 2:Check the Com number on the PC Connect the console board to the PC with USB connector, Then check the com number on the PC,the com number on the test PC is COM15





DR5018S UART configuration

2. Device connect

Step 3 Login with the software You can use putty,Xshell or some others,enjoy it.

BusyBox v1.30.1 () built-in shell (ash)

	M	NI			MMMM	0000	M	М	
							100 C 100 C	100 M	
ŞMI	MMM	MM	IMM		MMMMM	MANNA.	MMM	MMM	
MMM	MMMM	MM MM	MMM.		MMMMM:	MMMMMM:	MMMM	MMMMM	
=MMMM	MMMMMM	MMM	MMMM	MMMMM	MMMM	MMMMMM	MMMM	MMMMM'	
=MMMM	MMMMM	MMMM	MM	MMMMM	MMMM	MMMM	MMMMN	MMMMM	
MMMM=	MMMM	MMMMM		MMMMM	MMMM	MMMM	MMMMM	MMM	
MMMM=	MMMM	MMMMMM		MMMMM	MMMM	MMMM	MMMMM	MMMM	
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1	MMM M			MMMM	MMM	М	М		
	M								
For	those	about t	to rock	(Chaos	Calmer,	unknow	n)		

root@SuperWireless:~#



DR5018S GPS

Identification command

stty -F /dev/ttyMSM1 9600 cat /dev/ttyMSM1

ç				
🥌 新建会话 (2) - Xshell 4 (Free for Home/School)		-		×
文件(F) 编辑(E) 查看(V) 工具(T) 窗口(W)	帮助(H)			
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\$gnvtg,,,,,,,,,N*2e				
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\$GNTXT,01,01,01,NME	A unknown msg*46			
\$GNTXT,01,01,01,NME	A unknown msg*46			
\$GNTXT,01,01,01,NME	A unknown msg*46			

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