

1. GTHUB配置wifi中继操作指南

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3. 文档信息

文档名称	版本号	创建人	创建日期	备注
GTHUB配置wifi中继操作指南	V1.0	张涛	2020年12月16日18:39:00	

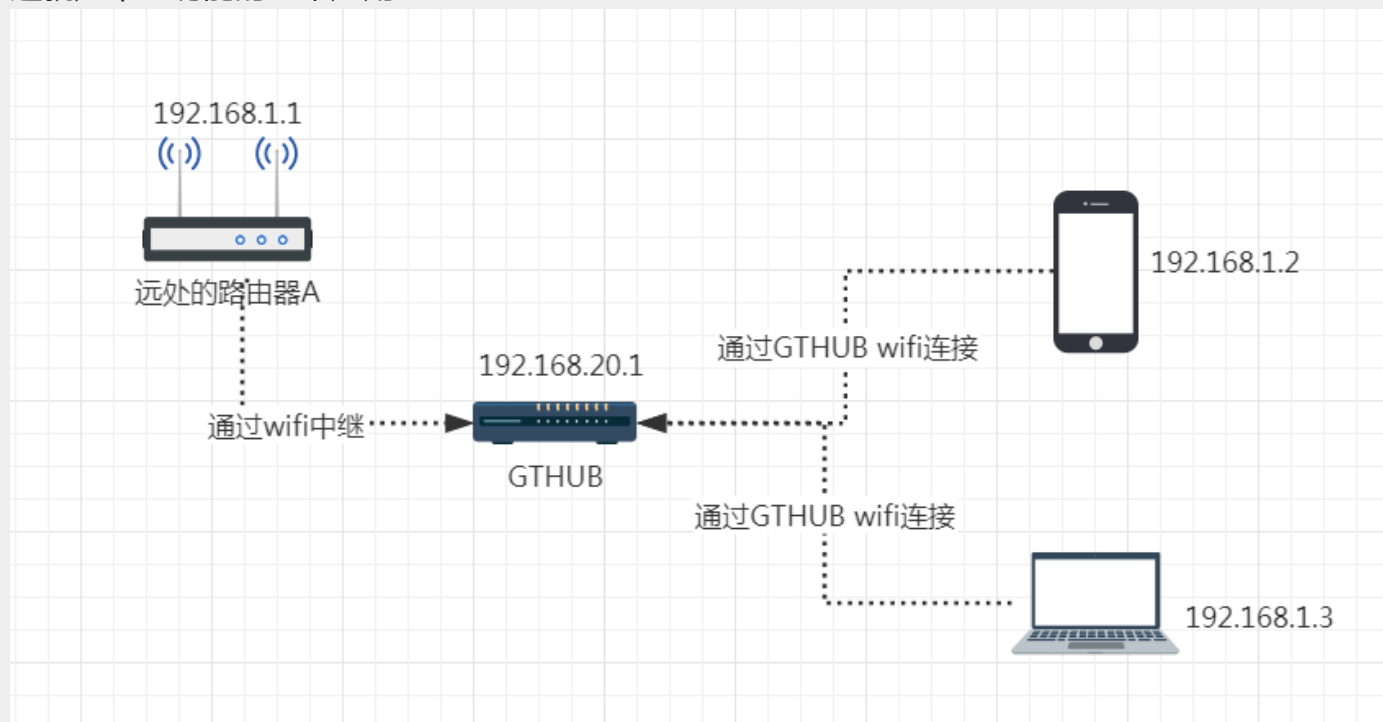
4. 更改记录

序号	更改原因	更改前版本号	更改后版本号	更改人	更改日期	备注
001	创建文档	V1.0	V1.0	张涛	2020年12月16日18:39:00	创建文档

5. 功能介绍

此处所介绍的中继功能，主要用于信号放大，如下图所示，路由器A由于在手机和笔记本电脑的远处，信号比较微弱
因此手机和笔记本直连路由器A的效果不理想。因此我们引入GTHUB作为中继功能，既先让GTHUB连接到路由器A
的无线，然后让手机和笔记本连接离他们比较近的GTHUB的 wifi，此时手机和笔记本的IP依然由路由器A分配，

这就是中继功能的基本应用



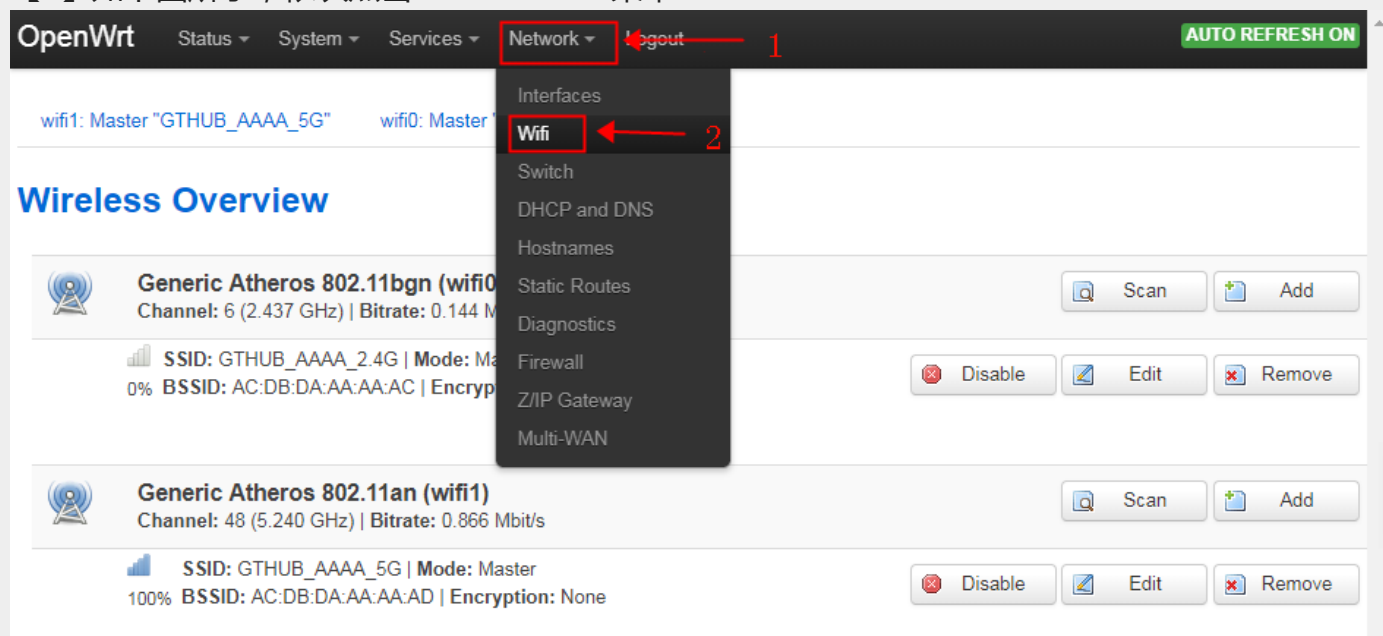
6. 操作步骤

6.1. 升级固件

请将固件升级到**202012161917.0583db**及以上版本，其他版本不支持该功能

6.2. 配置wifi中继

【1】如下图所示，依次点击network->wifi菜单



【2】点击scan搜索附近wifi信号

wifi1: Master "GTHUB_AAAA_5G"

wifi0: Master "GTHUB_AAAA_2.4G"

Wireless Overview

**Generic Atheros 802.11bgn (wifi0)**

Channel: 6 (2.437 GHz) | Bitrate: 0.144 Mbit/s



Scan



Add



SSID: GTHUB_AAAA_2.4G | Mode: Master

0% BSSID: AC:DB:DA:AA:AA:AC | Encryption: None



Disable



Edit



Remove

**Generic Atheros 802.11an (wifi1)**

Channel: 48 (5.240 GHz) | Bitrate: 0.866 Mbit/s



Scan



Add



SSID: GTHUB_AAAA_5G | Mode: Master

100% BSSID: AC:DB:DA:AA:AA:AD | Encryption: None



Disable



Edit



Remove

【3】找到想要中继的wifi信号，并点击Join Network

Join Network: Wireless Scan



100%

Xiaomi_B5EF5G

Channel: 36 | Mode: Master | BSSID: 8C:BE:BE:29:B5:F1 | Encryption: open



Join Network



98%

SuperGTW_5G

Channel: 100 | Mode: Master | BSSID: 12:34:56:78:90:12 | Encryption: open



Join Network



100%

5g

Channel: 149 | Mode: Master | BSSID: 64:6E:97:8F:B8:CD | Encryption: mixed WPA/WPA2 - PSK



Join Network



92%

geniatech-google2

Channel: 149 | Mode: Master | BSSID: 80:70:22:00:71:82 | Encryption: WPA2 - PSK



Join Network



95%

GTC_5

Channel: 157 | Mode: Master | BSSID: A8:15:4D:B1:7B:10 | Encryption: mixed WPA/WPA2 - PSK



Join Network



97%

geniatech-1-5G

Channel: 165 | Mode: Master | BSSID: A0:C5:F2:B0:7C:1E | Encryption: WPA2 - PSK



Join Network



4%

YZHB_HuiYi_5G

Channel: 149 | Mode: Master | BSSID: 20:76:93:4F:2B:A0 | Encryption: WPA2 - PSK




Join Network


[Back to overview](#)[Repeat scan](#)

【4】此处保持默认配置后点击Submit

Join Network: Settings

Replace wireless configuration ☒  An additional network will be created if you leave this unchecked.

Name of the new network

 The allowed characters are: A-Z, a-z, 0-9 and _

Create / Assign firewall-zone

☐

lan:

lan:


☒

wan:

wan:

☐

unspecified -or- create:

 Choose the firewall zone you want to assign to this interface. Select *unspecified* to remove the interface from the associated zone or fill out the *create* field to define a new zone and attach the interface to it.



【5】此处一定要将Interface Configuration里的Network修改为lan (默认为wan)如下图所示

OpenWrt Status System Services Network Logout UNSAVED CHANGES: 12 AUTO REFRESH ON

Status 100% Mode: Master | SSID: GTHUB_AAAA_5G
BSSID: AC:DB:DA:AA:AA:AD | Encryption: None
Channel: 48 (5.240 GHz) | Tx-Power: 15 dBm
Signal: -97 dBm | Noise: -95 dBm
Bitrate: 0.9 Mbit/s | Country: 00

Wireless network is enabled

Channel 36 (5.180 GHz)

Transmit Power 15 dBm (31 mW)

Interface Configuration

General Setup Wireless Security Advanced Settings

ESSID Xiaomi_B5EF5G

Mode Client

Network ☒ lan: ☐ wan: ☐ wwan: ☐ create:

Choose the network(s) you want to attach to this wireless interface or fill out the create field to define a new network.

Save & Apply Save Reset

6.3. 关闭LAN口DHCP功能

关闭此功能后连接到GTHUBwifi上的设备IP才会由上级路由器分配

【1】如下图所示，依次点击Network->Interfaces菜单，再点击LAN接口的Edit按钮

OpenWrt Status System Services Network Logout AUTO REFRESH ON

WAN WWAN LTE LAN

Interfaces

Interface Overview

Network	Status	Actions
LAN br-lan	Uptime: 0h 29m 15s MAC-Address: AC:DB:11:11:11:11 RX: 2.49 MB (22197 Pkts.) TX: 11.11 MB (28178 Pkts.) IPv4: 192.168.20.1/24	Connect Stop Edit Delete
LTE 3g-lte	RX: 0.00 B (0 Pkts.) TX: 0.00 B (0 Pkts.)	Connect Stop Edit Delete
WAN eth0.2	Uptime: 0h 29m 35s MAC-Address: AC:DB:DA:AA:AA:AA RX: 9.27 MB (23832 Pkts.) TX: 1.97 MB (17159 Pkts.) IPv4: 10.168.4.138/24 IPv6: FD00:AAAA:0:0:AEDB:DAFF:FEAA:AAAA/64	Connect Stop Edit Delete
WWAN Client "Xiaomi_B5EF5G"	Uptime: 0h 0m 0s MAC-Address: 00:00:00:00:00:00 RX: 0.00 B (0 Pkts.) TX: 0.00 B (0 Pkts.)	Connect Stop Edit Delete

Add new interface...

【2】将DHCP server的Ignore interface选项勾选后点击Save & Apply

DHCP Server

n. 门；网关；方法；通道；途径

General Setup

Ignore interface ☒ Disable DHCP for this interface.

Save & Apply

Save

Reset

6.4. 增加wifi接口

原本的wifi信号在设置中继模式后将会消失，此处我们需要新增一个wifi接口供客户端连接

【1】如下图所示若想新增2.4Gwifi则在2.4Gwifi接口右侧菜单中点击Add按钮，若想添加5Gwifi则在5Gwifi右侧点击Add按钮

wifi1: Client "Xiaomi_B5EF5G"

wifi0: Master "GTHUB_AAAA_2.4G"

Wireless Overview



Generic Atheros 802.11bgn (wifi0)

Channel: 6 (2.437 GHz) | Bitrate: 0.144 Mbit/s



Scan



Add



SSID: GTHUB_AAAA_2.4G | Mode: Master

0% BSSID: AC:DB:DA:AA:AA:AC | Encryption: None



Disable



Edit



Remove



Generic Atheros 802.11an (wifi1)

Channel: 36 (5.180 GHz) | Bitrate: 0.173 Mbit/s



Scan



Add



SSID: Xiaomi_B5EF5G | Mode: Client

100% BSSID: 8C:BE:BE:29:B5:F1 | Encryption: None



Disable



Edit



Remove

【2】此处一定要将Interface Configuration里的Network修改为lan（默认为wan）

如下图所示，确认后点击Save & Apply按钮，手机会搜索到新的wifi信号，连接即可获取上级路由

Status

SSID: OpenWrt | Mode: Unknown
0% Wireless is disabled or not associated

Wireless network is enabled

☒ Disable

Channel

Locked to channel 36 used by Client "Xiaomi_B5EF5G"

Transmit Power

15 dBm (31 mW) ▾

☒ dBm

Interface Configuration

General Setup

Wireless Security

Advanced Settings

ESSID

OpenWrt

Mode

Access Point ▾

Network

lan: wan: wwan: create:

1



Choose the network(s) you want to attach to this wireless interface or fill out the create field to define a new network.

Hide ESSID



2

Save & Apply

Save

Reset