# UBNT 快速配置指南

# (5.3)

# 北京格网通信技术有限公司

HTTP://WWW. BJMESH. COM



-	_



1	配置说明1
2	点对点简单配置2
2.1	WIRELESS 配置说明7
2.2	NETWORK 配置
3	详细配置10
3.1	进入 WEB 配置页面10
3.2	进入配置页面11
3.3	WIRELESS 配置页面:11
3.4	NETWORK 配置页面:14
3.5	ADVANCED 配置页面:15
3.6	SERVICES 配置页面:19
3.7	SYSTEM 配置页面:



或网络摄像机



# UBNT 快速配置指南

#### 1 配置说明

#### 前期准备 (室内测试没问题后在安装):

A、设备大体连接图示: (如下)



**注意:** POE 模块有两个网口,其中 POE 口接网桥; LAN 口接电脑或其他网络设备。 连接的网线使用标准直通线即可。

B、查明设备的 IP,例如 192.168.1.20; **设备的原始 IP 都为 192.168.1.20**;在本地连接的 TCP/IP 协议里添加 192.168.1.xx 的网段;必须同一网段才能配置设备。

👍 本地连接 2 状态 ? 🗙	👍 本地连接 2 属性 🛛 ? 🗙	Internet 协议 (ICP/IP) 属性 ? 🔀
常规         支持           注接            状态:         已连接上           持续时间:         11:35:57           速度:         100.0 Mbps	<ul> <li>常規 高级</li> <li>连接时使用:</li> <li>■ Atheros AB0132 FCI-E Fast Eth:</li> <li>配置()</li> <li>此连接使用下列项目(2):</li> <li>● Nicrosoft 网络常户端</li> <li>□ ● Nicrosoft 网络常户端</li> </ul>	<ul> <li>常規</li> <li>加果网络支持此功能,则可以获取自动指派的 IP 设置。否则, 您需要从网络系统管理员处获得适当的 IP 设置。</li> <li>○ 自动获得 IP 地址 @)</li> <li>●使用下面的 IP 地址 @]</li> </ul>
活动 发送 — 收到 字节: .065,126,787,167 065,120,073,637	○ 書 (1)         ○ 書 (1)           ○ 要 (2)         ○ 目 (1)           ○ 書 (1)         ○ 目 (1)           ○ 目 (1)	IP 地址(Q):       192,168,1       2         子阳陵码(Q):       255,255,255,0         默认阿关(Q):          自动获得 DMS 服务器地址(Q):         • 使用下面的 DMS 服务器地址(Q):
■ 「 廉性 (2) 禁用 (2)	<ul> <li>ご连接后在通知区域显示图标(1)</li> <li>・</li> <li>・</li></ul>	
		確定 取消



#### 下面正式进入设置界面:

UBNT支持 WEB界面管理方式。其出厂默认地址为 <u>http://192.168.1.20/</u>,在浏览器中 输入 IP地址后会弹出输入用户名和密码的对话框, User Name (用户名)为: ubnt, Password

(密码)为: ubnt, 输入之后即可登陆设备配置界面。

💑 Login - 360极速浏览器					- 6 ×
← → 🔃 🖙 🍤 😭 🕲 192.168.1.2	20/login.cgi?uri=/		▼ ● 兼容	🕨 🛃 谷歌	۹ 🖋
🚵 Google 翻译 🔛 百度一下,你就知道 🗋 mail.	bjmezh.com 🗋 镁思锑中国 🔀 京东网上商城-综	📉 Mikrotik-ROS和UB	📄 奥汀ICBM客户关系 🔭 Ubiquiti Network	○ 百度地图	» 🧰 其它收藏
🔊 Login X 🔄					
	<i>Aằ</i> os⁼	dsemane: Ubit Pessword:	Logn		2
	北京格网 www.bjm UBNT市场	M通信有限公司 esh.com M经理:颜学虎:	.3911486338		
					8

2 点对点简单配置

# 点对点配置过程如下:

1、取其中一台设备,在 NETWORK 选项中改 IP 到自己所需要的 IP;例如 192.168.1.100



MAIN     WIRLESS     NETWORK     ADVANCED     SERVICES     SYSTEM     Tota:     Logent         Network Role     1         Network Role         Network Settings         Bridge P Address:     Outpression       P Address:     Dubbe Static         P Address:     Dubbe Static         P Address:     Display Display         Bridge P Address:     Display Static         P Address:     Display Static         P Address:     Display Static         P Address:     Display Static         P Address:     Configure         VLAN Network Settings         Chance         Chance         Chance         Chance	anoStation loco M5	AïrOS	
Network Role       1         Network Mode       Indee         Disable Network       Image         Network Settings       Image         Padaress       1000000000000000000000000000000000000	MAIN WIRELES	S NETWORK ADVANCED SERVICES SYSTEM Tools: V Logout	
Network Note: ● ridge     Network Settings     Index P Address:     P Address: <td>Network Role</td> <td></td> <td></td>	Network Role		
Disable Network     Network Settings     Bridge P Address:     P Address:        P Address:        P Address:        P Address:        P Address:        P Address:        P Address:        P Address:        P Address:        P Address:           P Address:        P Address:           P Address:           P Alaese:              VLAN Network Settings      Enable VLAI: <b>VLAN Network Settings Dance</b>	Network Mode:	Bridge	
Network Settings         Indge P Address:       Differentiation         P Address:       Differentiation         P Address:       Differentiation         P Address:       Differentiation         Netmask:       255:255:255:0         Gateway P.       192:168:1.1         Primary DNS P.       Differentiation         Becondary DNS P.       Differentiation         MTU:       1500         Spanning Tree Protocot       Differentiation         Auto P Aliasing:       P         P Aliases:       Configure         VLAN Network Settings       Differentiation         Enable VLAH:       Chance	Disable Network:	None	
Bridge IP Address:       DLCP: ③ Static       Pr设置为自己需要的IP.         Netmask:       255 255 255 0         Gateway IP, 192 168 1.1       Primary DNS IP.         Bridge Tee Protocot       Duto IP Alasing:         Pralases:       Configure	Network Settings		
P Address 192.168.1.10 Primary DNS P. Geteway P. 192.188.1.1 Primary DNS P. MTU: 1500 Spanning Tree Protocot Auto P Alasing: ビ P Alases: Configure VLAN Network Settings Enable VLAN:  Change	Bridge IP Address:	O DHCP ③ Static	
Netmask:     255:255:255:0       Gateway P:     152:188:1.1       Primary DNS P:	IP Address	192.168.1.100 IP设置为自己需要的IP。	
Gateway P: 152:188.1.1 Primary DNS P:	Netmask:	255.255.0	
Primary DNS P:	Gateway IP:	192.168.1.1	
Secondary DNS P:	Primary DNS IP:		
MTU: 1500 Spanning Tree Protocot: Auto IP Aliasin: 记 IP Aliases: Configure VLAN Network Settings Enable VLAN: ] Change	Secondary DNS IP:		
Spanning Tree Protocot: Auto P Alasing: P Alases: Configure VLAN Network Settings Enable VLAN: Change	MTU:	1500	
Auto P Alasing: ビ P Alases: Configure VLAN Network Settings Enable VLAN: □ Change	Spanning Tree Protocol:		
P Alases: Configure VLAN Network Settings Enable VLAN:  Change	Auto IP Aliasing:		
VLAN Network Settings Enable VLAN: □ Change	IP Aliases:	Configure	
Enable VLAN: □ 改完后另	VLAN Network Settings		
Change	Enable VLAN:		改完后别忘
击下方 Change,此时不需要点击 Apply,可以改完所有参数	击下方 Change	,此时不需要点击 Apply,可以	改完所有参数在
1 <sup>注</sup> 21	÷ h or		



2、改网络模式,这个也是最关键的,把第一台设备的模式设置为 AP 模式。





注意这 5 个是必须要设置的,根据情况来,默认就为图中参考就可以。频率用的不同可能数字稍微有点区别,但是大体一样的道理,最下面是加密,一般没有必要选择。别忘记点击下面的 Change,到这里 AP 设置完成,别忘记上面还有 Apply.



3、拿出另外一台设备进行配置,默认新的也是 192.168.1.20;配置方法和配置第一台设备 一样,先改 IP 地址,改为 192.168.1.101;配置如下:先点击 Change,可以先不用 Apply。

MAIN WIRE	ELESS NETWORK ADVANCED	SERVICES	SYSTEM	Tools:	V Log
Network Role					
Network Mo	ode: Bridge 🗸				
Disable Netwo	ork: None 🗸				
Network Settings					
Bridge IP Addre	ess: 🔘 DHCP. 💽 Static				
IP Addre	ess. 192.168.1.101				
Netma	ask: 255.255.255.0				
Gateway	y IP: 192.168.1.1				
Primary DNS	S IP:				
Secondary DNS	S IP:				
м	ITU: 1500				
Spanning Tree Proto	col:				
Auto IP Alias	ing: 🔽				
IR A line	Configure				

4、改第二台设备的网络模式,第二胎网络设备的频率是只适应的,会根据第一 AP 所设定的自动连接,所以在一个多台设备的时候就需要注意很多问题了,单独的点对点没问题,具体配置情况如下:

最后点击 Apply;所有配置完成,如果设备能正常通信,设备背面的 4 个信号灯会亮,



状态如下图所示:

一般信号等全亮证明传输信号好,但是不一定效果就一定非常好,但是如果灯都不亮,或者亮一个,证明链路连接都有问题,所以一般信号等最好保证在 2 个以上;现在你连接 ubnt 设备 192.168.1.101 主页你可以看到连接的信号强度,CCQ,等如下图:



MAIN	WIRELESS NETWO	ORK ADVANCED	SERVICES	SYSTEM	1 Tools:	✓ Logout
Status						
Device Name:	UBNT		A	AP MAC:	00:15:6D:82:86:CB	
Network Mode:	Bridge		Signal S	strength:		-52 dBm
Wireless Mode:	Station		Vertical / Ho	rizontal:	-60 / -55 dBm	
SSID:	ubnt		Nois	se Floor:	-91 dBm	
Security:	none		Transr	mit CCQ:	99.7 %	
Version:	v5.3.3		TX/F	RX Rate:	104.0 Mbps / 78.0 Mbps	
Uptime:	00:33:50			AirMax:	Enabled	
Date:	2011-07-26 12:15:47		AirMax	Quality:		90 %
Channel/Frequency:	161 / 5805 MHz		AirMax C	apacity:		65 %
Channel Width:	Auto 20 MHz					
ACK/Distance:	28 / 0.1 miles (0.2 km)					
TX/RX Chains:	2X2					
WLAN MAC:	00:15:6D:82:86:DC					
LAN MAC:	00:15:6D:83:86:DC					
LAN:	100Mbps-Full					
Monitor						
	Throughput	AP Information   AF	RP Table   Bridge	Table   F	Routes   Log	
	LAN				WLAN	

5、以上配置基本完成,以上是点对点最简单的配置方法。

#### 需要配置的主要参数有:

- 无线工作模式; Access Point-----Station
- ESSID; 频率选择;
- 国家代码;
- IP 地址。

注意:无线网络之间,如果是拨号上网,通过无线则不能选用这种配置方法,需要用 AP WDS-Station WDS 来完成。具体配置在下面详细配置说明中有提到。



#### 2.1 WIRELESS 配置说明

MESH	MAIN	WIRELESS	NETWORK	ADVANCED	SERVICES	SYSTEM	Tools:	×	Logout
Basic Wir	eless Setting	S							
	Wireles	ss Mode:[?] A	ccess Point	~					
		SSID: A	irMesh900		Hide SSID				
	Chann	el Width:[?] 2	0 MHz	*					
	Frequ	ency, MHz: 9	12	*					
	Extensio	on Channel: N	lone	~					
	Frequency	y List, MHz:	Enabled						
	Ant	tenna Gain: 0	dBi	Cable	e Loss: 0	dB			
	Out	put Power:		- 1/1 28	dBm				
	Max TX F	Rate, Mbps: M	ICS 15 - 130	💌 🗹 /	Automatic				
Wireless	Security								
		Security: n	one	*					
		MAC ACL:	Enabled						
								Cha	ange
			© Copyrig	nt 2006-2011	bjmesh comm	unication, Ind			

#### 主要配置参数:

Wireless Mode (无线工作模式):有4 种工作模式Station、Station WDS、Access Point、Access Point WDS 可供选择,一般设定为Access Point和Station即可。设备出厂默认设置为Station,我们这里把它改为Access Point。

SSID/ESSID: 设备默认SSID 为ubnt,可根据用户需求更改,更改后需在Station 端更 改为相同ESSID,这里使用默认值。

**Frequency(频率)**: 5Mhz、10Mhz、20Mhz、40Mhz可以随便选用,但是40Mhz频率 偏少一些,频宽大占用频率资源多,所以带宽也就大。

Channelwidth(信道带宽):如果在信号强度大于-80dBm时可以选着20M或者40M信道带宽,如果高于-90dBm而小于-80dBm,可以选择10Mhz或者5Mhz,要是小于90dBm则只能用5Mhz。

此页,其他参数均可先不用配置。

注意: 在单个页面设定完需要修改的选项后,需点击页面下方的change,然后再点击 Apply,设置才能生效。



#### 2.2 Network 配置

MESH	MAIN	WIRELESS	NETWORK	ADVANCE	D SERVICES	SYSTEM	Tools:	V Logout
Network	Role				<b>.</b>			
	Net	work Mode: B	ridge	~				
	Disab	le Network: N	lone	*				
Network	Settings							
	Bridge	IP Address: (	DHCP Stati	c				
		IP Address: 1	92.168.1.20					
	,	Netmask: 2	00.400.4.4					
	Drive	Sateway IP: 1	92.106.1.1					
	Prim		0.0.0					
	Second							
		MTU: [1	500					
	Spanning Tre	ee Protocol:						
	Auto	IP Aliasing:						
		IP Aliases:	Configure					
VLAN Net	work Settings	S						
	En	able VLAN:						

由于设备的出厂IP 地址均为192.168.1.20,所以需将需要调试的两台设备的IP 地址区分开,以免 IP地址冲突,所以可将Access Point 端的IP 地址设置为同IP段其他地址: 192.168.1.30。

注意: 在单个页面设定完需要修改的选项后,需点击页面下方的change,然后再点击 Apply,设置才能生效。



Bridge IP Address:	O DHCP ③ Static
IP Address:	192.168.1.30
Netmask: 2	255.255.2
Gateway IP:	192.168.1.1
Primary DNS IP:	0.0.0.0
Secondary DNS IP:	
MTU:	1500
Spanning Tree Protocol:	
Auto IP Aliasing:	
IP Aliases:	Configure
VLAN Network Settings Enable VLAN:	
Firewall Settings	
Enable Firewall:	Configure
Static Routes	
Static Routes: (	Configure
	Change

MESH	MAIN	WIRELESS	NETWORK	ADVANCED	SERVICES	SYSTEM	Tools:	
Configura	tion contains cha	anges. Apply t	hese changes?				Τ	est Apply Discard
Network F	Role							
	Netw	ork Mode: Br	idge	*				
	Disable	Network: No	one	*				
	Bridge IP	Address: C	DHCP 💿 Stati	c				
	IP	Address: 19	2.168.1.30					
		Netmask: 25	5.255.255.0					
	Ga	ateway IP: 19	2.168.1.1					
	Prima	ry DNS IP: 0.0	0.0.0					
	Seconda	ry DNS IP:						
		MTU: 15	00					
	Spanning Tree	e Protocol:	]					

配置完成后,该两台出厂配置的UBNT即可通信了。



# 3 详细配置

#### 3.1 进入 WEB 配置页面

通过IE 或者其他浏览器(推荐360浏览器)访问UBNT,并作配置; UBNT 的出厂IP 地 址为192.168.1.20,用户名为ubnt,密码为ubnt;

login - Vindows Inte	rnet Explorer				
🔊 🗢 🔊 http://192.16	58. 1. 101/login. cgi?ur	i=/			💌 🗟 😽 🗙 ಶ Bing
牛(2) 编辑(2) 查看(V)	收藏夹(A) 工具(I)	帮助 (H)	х 🍖 -		
收藏夹 🛛 🍰 🔀 工作台-XT	oolsCRM 🙋 建议网站,	· 🙋 网页快讯	幸 👻 🚽 中国邮政储蓄银行		
Login					🏠 • 🗟 - 🖻 🖶 • J
			AirOS	Username: ubnt	
			7111 00	Password: ••••	
				Login	

### 点击Login,登陆到设备的主页面:

🖉 UBNT: [NanoStation Loco I5] - Nain - Vindows Intern	et Explorer			
🚱 🕞 🗢 📓 http://192.168.1.101/index.cgi			💌 🗟 🍫 🗙 🦉 Bing	<mark>ا م</mark> ا
文件 (E) 编辑 (E) 查看 (Y) 收藏夹 (A) 工具 (E) 帮助 (H) ×	🍖 •			
🚖 收藏夹 🛛 🏫 🔀 工作台-XToolsCRM 💋 建议网站 🗸 🔊 网页快讯库 🗸	🖡 中国邮政储蓄银行			
🔊 UBNT: [NanoStation Loco M5] - Main			🟠 • 🔊 - 🖃 🖶 • 页面 🕑	• 安全 (3) • 工具 (0) • 🔞 •
NanoStation IOCO	W5 WIRELESS NETWORK	ADVANCED SERVICES SYSTEM Tools:		
Status				
Device Name: Network Mode SSD: Secury: Version: Uptime: ChannelFrequency: Channel Width: ACKOBiance TX/RX Chana: WLAN MAC.	UBNT Bridge Staton ubnt 0052:54 2011-07-254 2011-07-254 281/07-140 281/07-140 281/07-140 281/07-140 292/2 001560/83.88/DC 001560/83.88/DC	AP MAC: Net Associated Signal Strength: - Vertical / Horizontal: 0 / 0 dBm Nose Foor: - Transmit CCQ: - TX/RX Rate: - / - A/Mac: -		
Monitor				
	Throughput   AP II	formation   ARP Table   Bridge Table   Routes   Log		
100 90 RX: 0bps	LAN	WLAN 100 90 RX: 0bps		



## 3.2 进入配置页面



在主页中可以看到设备的一些基本的信息,若想调通设备,可以在WIRELESS、Network和Advanced 里面修改参数。

## 3.3 WIRELESS 配置页面:

×	MAIN	WIRELESS	NETWORK	ADVANCED	SERVICES	SYSTEM	Tools:	V Logout
Basic Wir	eless Setting	5						
	Wirele	ss Mode:[?] Ac	cess Point	~				
		SSID: ubi	nt		Hide SSID			
	Co	untry Code: Un	ited States	*				
	IEEE 80	2.11 Mode: A/I	N mixed	~				
	Chann	el Width:[?] 20	MHz	*				
	Channel	Shifting:[?] Dis	abled	*				
	Frequ	ency, MHz: 58	05	*				
	Extensio	on Channel: No	ne	~				
	Frequency	y List, MHz: 🗌	Enabled					
	Auto Adjust to	EIRP Limit: 🗸						
	Out	put Power:		23	dBm			
	Max TX F	Rate, Mbps: MC	S 15 - 130	✓ ✓	Automatic			
Wireless	Security							
		Security: no	ne	~				
		MAC ACL:	Enabled					

修改无线模式:



MESH	MAIN	WIRELESS	NETWORK	ADVANCED	SERVICES	SYSTEM	100IS:	Logi
Basic Wir	eless Setting	S						
	Wirele Chanr Frequ Extensi	ss Mode: [1] Ac SSID: Sta hel Width: [1] Ac Jency, MHz: 91. on Channel: No	cess Point tion tion WDS cess Point cess Point WDS 2		Hide SSID			
	Frequenc An Ou	y List, MHz: Itenna Gain: 0 tput Power:	Enabled dBi	Cabk	e Loss: 0 dBm	dB		
Wireless	Max TX	Rate, Mbps: MC	S 15 - 130	× v	Automatic			
		Security: nor	ne Enabled	*				
								Change

UBNT有4 种无线模式, Station、Station WDS、Access Point、Access Point WDS。若使两个UBNT可以通信,可以将这两个AirMesh900设备的无线模式,修改为Access Point—Station、Access Point WDS—Station WDS、Access Point—Station WDS、Access Point WDS—Access Point WDS—Access Point WDS四种组合。

以Access Point WDS—Station WDS 为例,首先将其中一个修改为Access Point WDS:

×	MAIN	WIRELESS	NETWORK	ADVANCED	SERVICES	SYSTEM	Tools:	Logout
Basic Wire	eless Setting	5						
	Wirele	ss Mode:[?] Ac	cess Point	~				
		SSID: Sta	tion tion WDS		lide SSID			
	Co	untry Code: Ac	cess Point					
	IEEE 80	2.11 Mode: AC	mixed	~				
	Chanr	el Width:[?] 20	MHz	~				
	Channe	Shifting:[?] Dis	abled	*				
	Frequ	ency, MHz: 580	5	*				
	Extensi	on Channel: No	le	~				
	Frequenc	y List, MHz: 📃	Enabled					
	Auto Adjust t	EIRP Limit: 🗹						
	Ou	put Power:		23	dBm			
	Max TX	Rate, Mbps: MC	S 15 - 130	💌 🗹 /	Automatic			
Wireless S	Security							
		_						
		Security: nor	e	*				
		MAC ACL:	Enabled					

此时可以选择自动,让其自己寻找可以能够通信的UBNT,也可以绑定对端的MAC 地



#### 址,来限定要通信的设备:

×	MAIN	WIRELESS	NETWORK	ADVANC	ED SERVICES	SYSTEM	Tools:	V _ L
Basic Wir	eless Setting	S						
	Wirele	ss Mode:[?] A	ccess Point WDS	~	Auto			
	١	NDS Peers: 00	:15:6D:82:86:DA					
		SSID: ut	ont		Hide SS	(D		
	Co	untry Code: U	nited States	*				
	IEEE 80	2.11 Mode: A	/N mixed	$\sim$				
	Chann	el Width:[?] 4	) MHz	*				
	Channe	Shifting:[?]	sabled	*				
	Frequ	ency, MHz: A	uto	*				
	Extensi	on Channel: N	one	$\sim$				
	Frequenc	y List, MHz:	Enabled					
	Auto Adjust to	o EIRP Limit: 🔽						
	Ou	tput Power:		- 1/1	23	dBm		
	Max TX I	Rate, Mbps: M	CS 15 - 300	*	<ul> <li>Automatic</li> </ul>			
Mirologo	Coourity							

注意: SSID 需要通信的双方一致,国家代码选为中国,或者任何一个,但是必须相同。

MAIN	WIRELESS	NETWORK	ADVANCE	ED SERVICES	SYSTEM	Tools:	V Logout
Basic Wireless Settin	js						
Wire	ess Mode:[? Ac	ccess Point WDS	~	Auto			
	WDS Peers: 00:	:15:6D:82:86:DA					
	CCID: ub	-		Lide C	cip		
E	ountry Code: Un	ited States	~	nue s	510		
IEEE 8	02.11 Mode: A/I	N mixed	~	•			
Cha	nel Width:[?] 40	MHz	~				
Chann	el Shifting:[?] Dis	sabled	*	_			
Free	uency, MHz: 57	65	~				
Extens	ion Channel: Lo	wer Channel	$\sim$				
Frequen	cy List, MHz: 📃	Enabled					
Auto Adjust	to EIRP Limit: 🗹						
0	utput Power:		- 11	23	dBm		
Max TX	Rate, Mbps: MC	CS 15 - 300	*	<ul> <li>Automatic</li> </ul>			
Wireless Security							
	0						

信道可以根据实际情况来选择;输出功率,可以随意调整,在室外时一般调为最大值, 其他均可使用默认值;在无线安全里面,UBNT提供了多种加密方式,用以保证信息传输的



#### 安全性,在设置时,通信的两端需要设置成同一加密方式:

Auto Adjust to EIDD Limit:	 [3]	
Auto Aujust to EIRF Limit.	v	
Output Power:		23 dBm
Max TX Rate, Mbps:	MCS 15 - 300 💌 🔽	Automatic
Wireless Security		
Security:	none 💙	
MACACI	none	
INAG AGE.	WEP	
	WPA	
	WPA-TKIP	
	WPA-AES	Change
	WPA2	Change
	WPA2-TKIP	
	WPA2-AES 06-2	011 Ubiquiti Networks, Inc.

## 3.4 Network 配置页面:

MESH	MAIN	WIRELESS	NETWORK	ADVANCE	D SERVICES	SYSTEM	Tools:	~	Logo
Network R	ole								
	Netv	work Mode: Br	idge	~					
	Disabl	le Network: No	ne	*					
Network S	ettings								
	Bridge I	P Address: 🔘	DHCP 💿 Stati	с					
	1	P Address: 192	2.168.1.20						
		Netmask: 25	5.255.255.0						
	G	Sateway IP: 192	2.168.1.1						
	Prim	ary DNS IP: 0.0	.0.0						
	Second	ary DNS IP:							
		MTU: 15	00						
	Spanning Tre	ee Protocol:							
	Auto	IP Aliasing: 🔽							
		IP Aliases:	Configure						
VLAN Netw	ork Settings	1							
	Ena	able VLAN:							

UBNT默认工作为网桥模式,由于设备的出厂IP 地址相同,所以在配置设备的时候,需要将IP 地址修改(可根据用户需求修改):



Bridge None	*				
None					
	*				
ODHCP 💿 Static					
192.168.1.30					
255.255.255.0					
192.168.1.1					
0.0.0.0					
1500					
<b>v</b>					
Configure					
	O HCP      Static      192.168.1.30  255.255.255.0  192.168.1.1  0.0.0  1500  ✓ Configure	● DHCP ● Static         192.168.1.30         255.255.255.0         192.168.1.1         0.0.0         1500         ✓         Configure	● DHCP ● Static         192.168.1.30         255.255.255.0         192.168.1.1         0.0.0         1500         ✓         Configure	● DHCP ● Static         192.168.1.30         255.255.255.0         192.168.1.1         0.0.0         1500         I         Configure	● DHCP ● Static         192.168.1.30         255.255.255.0         192.168.1.1         0.0.0         1500         ✓         Configure

# 3.5 Advanced 配置页面:

MESH	MAIN	WIRELESS	NETWORK	ADVANCED	SERVICES	SYSTEM	Tools:	~	Logout
Advance	d Wireless Set	ttings							
	DTC	Threehold: 224							
	Fragmantation	Threehold: 224							
	Fragmentation	Distance: 234	©0ff						
				0.4	miles (0.6	3 km)			
	A	CK rimeout: 31	🗹 Au	ito Adjust					
	А	ggregation:	Enable	50000					
	Mad	JZ	Frames	20000 B	ytes				
	Enable Extra	a Reporting:	Allow All						
	Enable Clie	ent Isolation:							
	Sensitivity Three	shold, dBm: -96	✓ Off						
	-								
Advance	d Ethernet Set	tings							
	Enable Auto	negotiation: 🔽							
	Link Sp	beed, Mbps: 100	)	~					
	Enable	Full Duplex: 🗸							
Signal LE	DThrocholde								
SIGHAI LE	DIMESHOIDS								
		1	FD1 LFD2	LED3 I	FD4				

在此页面中, Distance(距离)可以根据实际使用情况来修改, 一般最好比视实际情况



大点比较好, 1.2倍左右。

在Station WDS 中,主要修改要绑定的Access Point WDS 的MAC 地址, Channel Width (信道带宽), Output Power (输出功率), Security (加密方式)以及IP 地址、Distance (距离)即可:

MESH	MAIN	WIRELESS	NETWORK	ADVANCED	SERVICES	SYSTEM	Tools:	Cogout
Basic Wir	reless Settings	S						
	Wireles	ss Mode:[ <mark>?]</mark> Sta	tion WDS	*				
		SSID: Airl	lesh900	Se	lect			_
	Lock	to AP MAC:						
	Chann	el Width:[?] 20	MHz	*				
	Frequency Scar	n List, MHz: 📃	Enabled					
	Ant	tenna Gain: 0	dBi	Cable	e Loss: 0	dB		
	Out	tput Power: 🛛 🗖		<b>-</b> 28	dBm			
	Max TX F	Rate, Mbps: MC	S 15 - 130	× v /	Automatic			
Wireless	Security							
		Security: nor	le	*				
								Change
			© Copyrigh	ht 2006-2011	bjmesh comm	unication, Inc.		

MESH MAIN WIRELES	S NETWORK	ADVANCED	SERVICES	SYSTEM	Tools:	*	Logout
Network Role							
Network Mode: Disable Network:	Bridge None	~					
Network Settings							
Bridge IP Address:	O DHCP 💿 Static						
IP Address	192.168.1.20						
Netmask:	255.255.255.0						
Gateway IP:	192.168.1.1						
Primary DNS IP:	0.0.0.0						
Secondary DNS IP:							
MTU:	1500						
Spanning Tree Protocol:							
Auto IP Aliasing:	<b>~</b>						
IP Aliases:	Configure						
VLAN Network Settings							
Enable VLAN:							



MESH	MAIN	WIRELESS	NETWORK	ADVANCED	SERVICES	SYSTEM	Tools:	*	Logout
Advanced	I Wireless Sett	tings							
		There halds 2004							
	RIS	Inresnola: 234	◦						
	Fragmentation	Threshold: 234	6 ✔ Off						
		Distance: 1/1	]	0.4	miles (0.6	km)			
	AC	K Timeout: 31	🗹 Au	to Adjust					
	Ag	ggregation: 🔽	Enable						
		32	Frames	50000 B	ytes				
	Multi	icast Data: 🔽	Allow All						
	Enable Extra	Reporting: 🔽							
	Enable Clien	nt Isolation:							
	Sensitivity Thres	hold, dBm: -96	✓ Off						
Advanced	l Ethernet Setti	ings							
	Enable Auton	egotiation: 🔽							
	Link Spe	eed, Mbps: 100	)	~					
	Enable F	ull Duplex: 🗸							
Signal LE	D Thresholds								

注意:其他两种无线模式的配置参数,基本上同,只是不需要绑定MAC 地址(无WDS 模式)。

UBNT 室外单元前面有6 个指示灯,其中第一个为电源灯:供电是否正常,第二个为 LAN 口灯:与其他设备通信是否正常;其他四个为信号灯,当设备扫描到信号或者通信时, 信号灯会亮,亮得越多信号越强。其对应的信号强度(可修改)为:



UBNT 快速配置指南

Aggregation:	Enable
	32 Frames 50000 Bytes
Multicast Data:	Allow All
Enable Extra Reporting:	
Enable Client Isolation:	
Sensitivity Threshold, dBm:	-96 V Off
Advanced Ethernet Settings	
Enable Autonegotiation:	
Link Speed, Mbps:	100
Enable Full Duplex:	$\checkmark$
Signal LED Thresholds	
Thresholds, dBm:	LED1 LED2 LED3 LED4 - 94 - 80 - 73 - 65
Traffic Shaping	
Enable Traffic Shaping:	
	Change

#### 注意:修改时,每个页面修改完后要点Change保存当前页面设置

Aggregation:	✓ Enable
	32 Frames 50000 Bytes
Multicast Data:	Allow All
Enable Extra Reporting:	
Enable Client Isolation:	
Sensitivity Threshold, dBm:	-96 Off
Advanced Ethernet Settings	
Enable Autonegotiation:	
Link Speed, Mbps:	100
Enable Full Duplex:	$\checkmark$
Signal LED Thresholds	
Thresholds, dBm:	LED1 LED2 LED3 LED4 - 94 - 80 - 73 - 65
Traffic Shaping	
Enable Traffic Shaping:	
	Change

在页面顶端会出现系统提示条



MESH	MAIN	WIRELESS	NETWORK	ADVANCED	SERVICES	SYSTEM	Tools:	V Logout		
Configu	ration contains ch	anges. Apply th	ese changes?				Test	pply Discard		
Advance	d Wireless Sett	tings								
	DTC	Three helds 224								
	RIS	Inresnold. 234	™ <b>™</b> 0ff							
	Fragmentation	Threshold: 234	l6 ✔ Of							
		Distance: 🥢		0.4	miles (0.6	6 km)				
	AC	K Timeout: 31	31 🗸 Auto Adjust							
	Ag	gregation: 🔽	Enable							
		32	Frames	50000 B	/tes					
	Mult	icast Data: 🔽	Allow All							
	Enable Extra	Reporting: 🔽								
	Enable Clier	nt Isolation:								
	Sensitivity Thres	hold, dBm: -96	✓ Off							
Advance	d Ethernet Sett	ings								
	Enable Auton	egotiation: 🔽								
	Link Sna	and Mhne: 10	n	4.0						

如果所有选项都已经设置完并保存,就可点Apply项,所有配置才能生效,点Discard则 放弃修改。

## 3.6 SERVICES 配置页面:

MESH	MAIN	WIRELESS	NETWORK	ADVANCED	SERVICES	SYSTEM		Tools:	<b>~</b>	Logout
Ping Wate	chdog	SNMP Agent								
	Enable Ping V		Enable SN	IMP Agent:						
	IP Address To Ping:					SNMP C	Community:	public		
	Ping Interval: 300 secor				Contact:					
	Star	tup Delay: 300	seconds				Location:			
	Failure Count T	o Reboot: 3								
Web Serv	er				SSH Serv	er				
Use Se	cure Connection	n (HTTPS):				Enable SS	SH Server:	<b>~</b>		
	Secure Se	erver Port: 443				S	erver Port:	22		
	Se	erver Port: 80			Enable	Password Auth	entication:	<b>~</b>		
	Sessio	n Timeout: 15	minutes			Author	ized Keys:	Edit		
Telnet Se	Telnet Server				NTP Clien	nt				
	Enable Teln	et Server: 📃				Enable	NTP Client:			
	Se	erver Port: 23				N	TP Server:			
Dynamic I	DNS				System L	.og				
	Cashie Dura			第 1 <sup>c</sup>	) 页	-				



**Enable Ping Watchdog**: 启用Ping监视狗: 可以在实际应用的时候ping某个IP的设备, 当发现无法ping通失败若干次后,设备认为异常会自动重启,默认关闭;

**IP Address To Ping:**要Ping的IP地址(对方IP地址);

Ping Interval: Ping间隔: 多长时间启动一次Ping功能;

Startup Delay: 启动延迟: 设备重新启动后第一次启动Ping功能的时间间隔;

Failure Count Reboot: 重启失败次数,多少个Ping功能失败次数后系统重新启动;

其他支持的网络方式:

- SNMP Agent:SNMP代理
- NTP Client:NTP代理
- WEB SERVER:WEB服务器
- **TELNET SERVER:**TELNET服务器
- SSH SERVER: SSH 服务器专为远程登陆会话和其他网络服务提供安全性的协议
- **SYSTEM LOG:** 系统日志

系统默认只开 SSH SERVER,其它均关闭。

#### 3.7 SYSTEM 配置页面:

MESH	MAIN	WIRELESS	NETWORK	ADVANCED	SERVICES	SYSTEM	Tools:	✓ Logout
Device					Date Sett	ings		
	Devi Interface L	ice Name: AIF anguage: En	RMESH glish	~		T Enable Star Star	imezone: (GMT+08:00) tup Date: tup Date:	Beijing, Pert 💙
System A	ccounts							
E	Administrator U Enable Read-Only	Account:	nin	0				
Miscellan	eous				Location			
	Enable Res	et Button: 🔽				L	Latitude:	
								Change
Configura	tion Manageme	ent						
		Ba Up	ckup Configurati bload Configurati	on: Download		浏览 U	pload	



Administrator Username: 管理员用户名称,管理员帐号;

点击小钥匙会有以下显示:

- 当前密码:当前用户密码;
- 新密码: 重新更改的密码;
- 确认新密码:确认更改的密码;

Eable Read-Only Account: 只读帐户的用户名启用;

**Read-Only Username**: 只读用户名称;

Configuration Management: 可以备份当前设备的配置信息;

Upload configuration: 上传配置文件;

#### 颜学虎 UBNT 渠道经理 格网通信技术有限公司

地址:北京市海淀区花园路2号牡丹创业楼 电话:0110-82237772 手机:13911486338 传真:010-82237609 个人主页:www.bjmesh.com 邮箱:yxh@bjmesh.com