- UBNT 网桥的默认 IP 是 192.168.1.20,请先将电脑有线网卡的 IP 地址手动设置为静态 192.168.1.0/24 网段(如 192.168.1.10),再通过浏览器输入 192.168.1.20 登录初始界面。
  PS:如果已修改电脑本地 IP 依旧无法登录,请更换谷歌浏览器登录,并检查网线
- 2. 设备的默认用户名和密码都是 ubnt,国家的选择北美(North America),如有需要,请 遵守当地法规选择相应国家,语言项默认为英文,填下完毕后勾选同意协议后,点击 LOGIN 进入配置界面。

< > C 合 印   ☆ https://192.1	68.1.20/login.cgi 🛛 🕴 🖓 🛂 🧭 🕴 🖉 🎽 🎽 🏷 🔿 🖞 🚍
	Login Please login to manage your wireless device.
1	Username
	ubnt
	Password
	••••
	Country
	North America •
	Language
	English
l l	
	TeXMS OF USE This Ubiquiti Networks, Inc. radio device must be professionally installed. Properly installed shielded Ethernet cable and earth grounding must be used as conditions of product warranty. It is the installer's responsibility to follow local country regulations including operation within legal frequency channels, output power, and Dynamic Frequency Selection (DFS) requirements. You are responsible for keeping the unit working according to these rules. You must also read and agree to the terms of the UBIQUTIT FIRMWARE LICENSE AGREEMENT in the link below before
	you can download or install or use the Ubiquiti airOS™ Firmware.
	UBIQUITI FIRMWARE LICENSE AGREEMENT
2	agree to these TERMS OF USE and the UBIQUITI FIRMWARE LICENSE AGREEMENT

3. 进入之后界面如下所示,首先点击下图位置修改 IP, 避免设备管理 IP 冲突

<	> Ċ ☆ 印   ☆ http	ps://192.168.1.20/index.html#dashboard		∮ > 女状元成清流	主播 🔍 🕒 🕨 🗮 🔕	🔖 业 % ン・ 🖞 🗏
U	airOS'8 LITEBEAM 5AC 23					ء 🛞
(1)			DAS	HBOARD		
್ಯ 	DEVICE DEVICE MODEL	LiteBeam 5AC 23		NETWORK MODE	Bridge	MORE DETAILS ≡
	DEVICE NAME MEMORY	LiteBeam 5AC 23	58 ×	VERSION	v8.0.1(VVA)	7 «
	DATE	2017/2/2下午6:50:59 00:29:05	00 %	LAN SPEED CABLE SNR	100 Mbps-Full +30 dB	
	AIRTIME		0.0 %	CABLE LENGTH		<20 m
	WIRELESS					
	Local	LiteBeam 5AC 23		Remote	DISCONNECTED	
	WIRELESS MODE	Station PtP		NOT CONNECTED		
	SSID	ubnt		AP MAC	Not Associated	
	WLAN0 MAC	80:2A:A8:FE:80:72				
	SECURITY	none				
	FREQUENCY	5770 [5760 - 5780] MHz				
	CHANNELWIDTH	Auto 20/40/80 MHz				
	NOISE FLOOR					
	RX CHAIN 0 / 1	-/-				

4. 点击 NETWORK 菜单在下图位置修改 IP, 此处修改为 192.168.1.30, 然后点击 3 位置保存 PS: 网桥的管理 IP 可与本地网络不同网段,不影响使用,例如上网的 IP 为 192.168.88 段

<	> ひ 心	□ ☆	https://192.168.1.20/index.html#netw	ork		# → 3	女状元成清流主播	۹ 😐		🍇 💁	⊻ %	ר ה	$\equiv$
U	air05.8											*	€
0				WIRELESS	NETWORK	SERVICES	SYSTEM						
Q <sub>0</sub>					+								
			Network Role		1								
			NETWORK MODE	Bridge 🗸									
			Configuration Mode										
			CONFIGURATION MODE	Simple 🗸									
			Management Network Settings										
			MANAGEMENT IP ADDRESS	DHCP OSTATIC			STP	OFF					
			IP ADDRESS	192.168.1.30 🔶	2		MANAGEMENT VLAN	OFF					
			NETMASK	255.255.255.0			AUTO IP ALIASING	ON					
			GATEWAY IP	192.168.1.1									
			PRIMARY DNS IP										
			SECONDARYDNSIP										
			MTU	1500				3					
F				TEST CHANGES	REVERTO	HANGES	SAVE CHANGES						

5. 如果设备为初始密码,出于安全考虑,要求修改密码才能往下操作,会弹出修改框如下 所示,从上往下分别填入初始密码(ubnt),新密码(要求 4 位以上),确认新密码。最 后保存,并且重新提交 IP 修改界面的保存

	WIRELESS NETWORK SERVICES SYSTEM
Network Role	
NETWORK MODE	Bridge 🗸
Configuration Mode	Change password $ imes$
CONFIGURATION MODE	CURRENT PASSWORD:
	NEW PASSWORD:
Management Network Settings	VERIFYNEW PASSWORD:
MANA GEMENT IP ADDRESS	PASSWORD STRENGTH: STP OFF
IP ADDRESS	192.188.1.30 CHANGE CANCEL GEMENT VIAN OFF
NETMASK	255.255.255.0 AUTO IP ALIASING ON
GATEWAY IP	192.168.1.1
PRIMARY DNS IP	
SECONDARYDNSIP	
MTU	1500

U	air0S'8	LITEBEAM 5A	C 23   WA.V8.0.1						*	€
(19)				WIRELESS	NETWORK	SERVICES	SYSTEM			
0,										
			Network Role							
			NETWORK MODE	Bridge 🗸						
			Configuration Mode							
			CONFIGURATION MODE	Simple 🗸						
			Management Network Settings							
			MANAGEMENT IP ADDRESS	OHCP OSTATIC			STP	OFF		
			IP ADDRESS	192.168.1.30			MANAGEMENT VLAN	OFF		
			NETMASK	255.255.255.0			AUTO IP ALIASING	ON		
			GATEWAYIP	192.168.1.1						
			PRIMARY DNS IP							
			SECONDARYDNSIP							
			MTU	1500						
E				TEST CHANGES	REVERTO	HANGES	SAVE CHANGES			

6. 保存成功后,使用新 IP 与新密码登录设备

く > Č 合 田  ☆ https: <mark>//192.168.1.30/k</mark> gin.cgi?u	ri=/index.html#network	F > 母猪下崽摆酒设宴	Q 😦	🔉 🖶 🗸	💁 🖞 🗶 🕇	>• ₾ ≡
	U LiteBeam 5AC 23					
	Login Please login to manage your wireless devic Username [ubnt Password ]	e. Login				

7. 接着进入无线菜单,配置设备无线模式,如下

<	> ひ ① 甲   ☆	https://192.168.1.30/#wireless			∮ > 女状元5	成清流主播	۹ 😦	Þ	۵	o,	⊻ ‰	ר⊂ 🖞	$\equiv$
U	аітоя и стевеам за											*	€
3			WIRELESS	NETWORK	SERVICES S	SYSTEM							
0,			1										
7.		Basic Wireless Settings	'										
		WIRELESS MODE [?]	Access Point PtP	$\sim$		ANTENNA	Feed only - 3 dB	i 🗸					
		SSID	Access Point PtP Access Point PtMP airMA	XAC	CALCUL	ATE EIRP LIMIT	ON						
		COUNTRY	Access Point PtMP airMA Station PtP	X Mixed	A	ANTENNA GAIN	3 dBi						
		CHANNEL WIDTH	Station PtMP		OL	UTPUT POWER		2.	4dBm				
		CONTROL FREQUENCY LIST, MHz	OFF		AUTO ADJ	JUST DISTANCE	ON						
		CENTER FREQUENCY, MHz	5755 🗸			DISTANCE			.4 mi. 0.	6 km			
		CONTROL FREQUENCY, MHz	5745 🗸			MAX TX RATE	Auto						
		Wireless Security											
		SECURITY	None 🗸			MAC ACL	OFF						
													1
		Advanced											
		TDMA FILTER	• •		SENSITIVIT	TY THRESHOLD	OFF						
E			TEST CHANGES	REVERTCH	ANGES SAVE	CHANGES							

这里对无线的几个模式进行简单的介绍: 发射端:

Access Point PTP: 点对点配置的发射模式

Access Point PTMP AirMax AC: 点对多点配置的发射模式,接收端都是 AC 协议网桥 Access Point PTMP AirMax Mixed: 点对多点配置的发射混合模式,接收端有 AC 协议网桥和 M 协议网桥

## 接收端:

Station PTP: 点对点配置的接收模式 Station PTMP: 点对多点配置的接收模式

即

配置点对点(一个发射一个接收),一个设置为 Access Point PTP,一个设置为 Station PTP 配置点对多(一个发射多个接收),基站设置为 Access Point PTMP AirMax AC,多个接收端 设置为 Station PTMP

配置点对多混合(一个发射多个接收), AC 基站设置为 Access Point PTMP AirMax Mixed, AC 接收端设置为 Station PTMP, M 系列接收端设置为 station,并勾选 WDS 选项

8. 这里以配置点对点为例,先配置发射端,将无线模式选为 Access Point PTP, SSID 选项可 自行填写(如现场有多个发射端,务必设置不同的 SSID,方便接收端扫描),CHANNEL WIDTH 频宽默认为 80M 不修改,CENTER FREQUENCY 频率默认为自动,可不修改,如果 需要,可自行选择良好的信道已达到更好效果。

<	つ ひ く	口 ☆	https://19	02.168.1.30/index.html#wirele	ess		₹ > 女状元成清洗	注播 〇	e   🥌	Þ	<b>e</b> (	🗛 💁	⊥ 3	6 ℃• ₾	) ≡
U	air0S'8 L													*	€
3					WIRELESS	NETWORK	SERVICES SYSTE	м							
0,						-									
7.			Basic W	ireless Settings											
				WIRELESS MODE [?]	Access Point PtP	$\sim$		ANTENNA Feed	only - 3 dBi						
				SSID	ubnt-ttt		CALCULATE								
				COUNTRY			ANTE	NNA GAIN 3	dBi						
				CHANNEL WIDTH	80 MHz 🔍		OUTPL	IT POWER		2	4 dBm				
			CON	ROL FREQUENCY LIST, MHz	OFF		AUTO ADJUST	DISTANCE							
			I	CENTER FREQUENCY, MHz	Auto 🗸		1	DISTANCE			.4 <b>mi</b> .	0.6 km			
					WARNING: NEW FREQU	JENCY SELECTED!	МА	X TX RATE Auto							
			Wireles	Security											
				SECURITY	None 🗸			MAC ACL	OFF						
			Advance	d											
				TDMAFILTER	•	0	SENSITIVITY TH		OFF						
E					TEST CHANGE	S REVERT	CHANGES SAVE CHA	NGES							

上图 4个选项确认之后,点击下方保存即可,发射端配置完毕。

9. 接着配置接收端,前面的步骤与发射端类似,分别修改 IP 以及登录密码, 具体参照步骤 2-6

10. 接着选择接收端的无线模式为 Station PTP, 点击 SSID 旁的 SELECT 按钮, 扫描发射端

U	air0S'8						8	€
3			WIRELESS	NETWORK SERVIC	CES SYSTEM			
0 <sub>6</sub>	-	Basic Wireless Settings	1					
		WIRELESS MODE [?]	Station PtP		ANTENNA	Feed only-3 dBi 🗸		
		SSID	ubnt	SELECT	CALCULATE EIRP LIMIT	ON		
		LOCK TO AP MAC			ANTENNA GAIN	3 dBi		
		COUNTRY			OUTPUT POWER	24 dBm		
		CHANNEL WIDTH	Auto 20/40/80 MHz 🗸 🗸		AUTO ADJUST DISTANCE	ON		- 1
		CONTROLFREQUENCY SCAN LIST,	OFF		DISTANCE	0.4 mi. 0.6 km		
		MHZ			MAX TX RATE	Auto 🗸		
		Wireless Security		SECURITY None				
		Advanced						
		AGGREGATIONFRAMES	32		SENSITIVITY THRESHOLD	OFF		
E				SAVE CHANGES				

11. 找到发射端的 SSID,点击前面的小圆圈,并选择 LOCK TO AP 锁定发射端

Graphic	cal View∨										
											-40 H
											-80 1
											-100%
	5,740 5,7	750	5,760	5,770	5,780	5,790	5,800	5,810	5,820	5,83	30
	Lis companya di sa di							JENNA GA			
Selecta	ible SSIDs must be vi	isible, na	ive compatible chan	nei Dandwidth i	and security setti	ngs, and must be compa	atible with airMA	X® AC techi	nology.	Search	0
											~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
•	MAC ADDRESS	сни	SSID_WIDTH	DEVI		RADIO MODE	AUTENCRY	PTION	SIGNAL/NOISI	E, dBm Fl	REQUENCY, G
ء 📀	30:2A:A8:FE:80:72		ubnt-ttt N LIST,	⊂ EiteBe	am 5AC 23	airMAX AC	NONE		<sup>C</sup> -96/-102		
ε	32:2A:A8:85:0E:BD		EDCwifi-5G			AC	WPA2		-39/-102		.745
6	D0:EE:07:3F:FA:1C		HiWiFi_3FFA1C_5	G		AC	NONE		-52/-104		.765
	D4:CA:6D:12:3C:24		MikroTik			802.11n	NONE		-63/-104		
C	D6:CA:6D:12:3C:24		ubnt			802. <b>11</b> n	NONE		-66/-104		.765
E	E4:8D:8C:44:1B:F3		EDC-5G				WPA		-67/-104		.765
E	E6:8D:8C:44:1B:F3		EDC-Guest			AC	NONE		-67/-104		.765
	F4:83:CD:D8:BB:DA		TP-LINK_5G				WPA				.745

**12**. 回到无线界面,下图位置会出现发射端的 MAC 地址即为锁定成功,点击下方按钮保存 即可,至此接收端配置完成

<	> さ 企	は 日 1 公	https://192.168.1.	.20/#wireless			₱ > 老太被铁链拴屋外	Q 🖉	Þ 💂	🐴 🚯	⊥ %	⊃• ≙	) ≡
U	air0S'8											*	€
					WIRELESS	NETWORK	SERVICES SYSTEM						
0,			Basic Wireless Se	ettings									
				WIRELESS MODE [?]	Station PtP		ANTENNA	Feed only - 3 dBi					
				SSID	ubnt-ttt	SELECT	CALCULATE EIRP LIMIT	ON					
				LOCK TO AP MAC	80:2A:A8:FE:80:72		ANTENNA GAIN	3 dBi					
				COUNTRY	North America	$\sim$	OUTPUT POWER		<b>2</b> 4 di	3m			
				CHANNEL WIDTH	Auto 20/40/80 MHz		AUTO ADJUST DISTANCE	ON					
			CONTROLFREG	QUENCY SCAN LIST,	OFF		DISTANCE			mi. 0.6 km			
				MHZ			MAX TX RATE	Auto					
			Wireless Securit	у									
						SECURITY	None 🗸						
			Advanced										
			AGGI	REGATION FRAMES		32	SENSITIVITY THRESHOLD	OFF					
E					TEST CHANGE	S REVERT	CHANGES SAVE CHANGES						

13. 配置成功后两端均可登录,在下图位置可看到对端的信息参数

U airOS'8 LITEBEAM SAC 2	3   WA.V8.0.1				€ 🛠
DEVICE					MORE DETAILS ≡
BEVICE MODEL	LiteBeam 5AC 23		NETWORK MODE	Bridge	
C DEVICE NAME	LiteBeam 5AC 23		VERSION	v8.0.1(WA)	
MEMORY		55 %	CPU		4 %
DATE	2017/2/2下午8:46:01		LAN SPEED	100 Mbps-Full	
UPTIME	02:24:07		CABLE SNR	+30 d B	
AIRTIME		0.1	CABLE LENGTH		< 20
		0.1 %			~20 m
WIRELESS					
Local	LiteBeam 5AC 23		Remote	LiteBeam 5AC 23 - CONNECTED	RECONNECT O
WIRELESS MODE	Station PtP		WIRELESS MODE	AP PtP	
SSID	ubnt-ttt		DEVICE MODEL	LiteBeam 5AC 23	
WLAN0 MAC	80:2A:A8:FE:73:9A		VERSION	v8.0.1	
SECURITY	none		AP MAC	80:2A:A8:FE:80:72	
DISTANCE	0.1 miles (0.2 km)		LAST IP	192.168.1.30	
CONNECTION TIME	00:03:02		AIRTIME TX/RX	0.0 / 0.1	
FREQUENCY	5750 [5740 - 5820] MHz		DESIRED PRIORITY	High	
CHANNEL WIDTH	80 MHz		PRIORITY	High	
TX RATE	8x (256QAM 2x2)		LATENCY	0 ms	
RX RATE	8x (256QAM 2x2)				
			TX POWER	24 dB m	

以上为点对点配置的简单说明,点对多点的配置基本一样,只是多配置几个接收端,只需将 设备设置为正确模式即可,具体参照步骤7的模式说明。