## Access Point (AP) Deployment Guide

## Introduction

AX83H is an enterprise portable Wi-Fi IP color screen phone that caters to the communication needs of mobile offices. It finds extensive applications in small and medium-sized enterprises, offices, warehouses, supermarkets, hotels, and other mobile office scenarios. Featuring a built-in Bluetooth 5.0 module and a dual-band 2.4G/5G Wi-Fi 6 module, coupled with advanced seamless roaming technology, it enables you to keep pace with the ever-evolving trends in the wireless era and stay ahead of the game.

With the continuous expansion of Wi-Fi network coverage, wireless access points (AP) are now widely employed in small and medium-sized enterprises, multi-story offices, commercial establishments, and branch offices to provide seamless Wi-Fi access and mobile solutions. This guide offers comprehensive insights and step-by-step instructions for deploying an Access Point (AP) environment.

## **Access Point Feature Requirements**

- 1. Embedded Wireless Controller
- 2. Wi-Fi roaming Protocol Suport 802.11k, 802.11v, 802.11r
- 3. Wi-Fi Protocol Support 802.11ac, 802.11ax, 802.11n
- 4. Interfaces: At least 1x 10/100/1000 Base-T (Ethernet) Uplink Interface, support POE
- 5. Radio Support:2.4GHz,5GHz

## **Recommended AP List**

The following table lists the APs that have been tested by Yealink and have good compatibility with AX83H for reference.

#### **Cisco Wireless Access Points**

Feature	Cisco Catalyst 9105i Access Point	Cisco Catalyst 9115 Access Point
Embedded Wireless Controller		
Wi-Fi roaming support 802.11k, 802.11v,802.11r		
Wi-Fi Protocol Support 802.11ac, 802.11ax, 802.11n		
Interfaces: At least 1 * 10/100/1000 Base-T (Ethernet) Uplink Interface, support POE	$\sqrt{-}$	

Radio Support: 2.4GHz, 5GHz		
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#### ∲ TIP

AC Controller: Not required (one AC can be reused)

#### HPE (Aruba) Wireless Access Points

Feature	503 Series	610 Series
Embedded Wireless Controller	×	×
Wi-Fi roaming support 802.11k, 802.11v, 802.11r		
Wi-Fi Protocol Support 802.11ac, 802.11ax, 802.11n		
Interfaces: At least 1 * 10/100/1000 Base-T (Ethernet) Uplink Interface, support POE	$\sqrt{-}$	
Radio Support: 2.4GHz, 5GHz		

#### 🔆 TIP

AC Controller: HPE Aruba Networking 7005 (it is recommended that at least 2 AP management licenses be configured).

#### **Rucks Wireless Access Points**

Feature	R350	H350
Embedded Wireless Controller	×	×
Wi-Fi roaming support 802.11k, 802.11v, 802.11r		
Wi-Fi Protocol Support 802.11ac, 802.11ax, 802.11n		
Interfaces: At least 1 * 10/100/1000 Base-T (Ethernet) Uplink Interface, support POE		
Radio Support: 2.4GHz, 5GHz		

#### 🖗 TIP

AC Controller: SmartZone 100 (it is recommended that at least 2 AP management licenses be configured).

## **Deployment Guidance**

#### **AP Deployment Requirements**

When deploying a Wi-Fi network with multiple APs for AX83H roaming, follow these guidelines:

- 1. Make sure the AP is properly powered on and connected to your network.
- 2. Connect your PC to the same network as the AP. This PC is used to configure the AP and other necessary devices through the Web GUI.
- 3. Access the AP using the PC's Web GUI. Configure the AP for settings.
- 4. Set the same SSID for all APs. SSID is case-sensitive.
- 5. Make sure the IP addresses assigned to the APs belong to the same network segment and the same VLAN.

## **Conventional Obstacle Penetration Loss Comparison Table**

Certain building structures and obstacles can directly interfere with or attenuate AP signals. The signal attenuation after penetrating different obstacles can be found in the following table:

Classic Obstacle	Thickness (mm)	2.4G Signal Attenuation (dB)	5G Signal Attenuation (dB)
Regular Brick Wall	120	10	20
Thickened Brick Wall	240	15	25
Concrete	254	25	30
Asbestos	8	3	4
Foam Board	8	3	4
Hollow Wood	20	2	3
Regular Wooden Door	40	3	4
Solid Wood Door	40	10	15
Regular Glass	8	4	7
Thickened Glass	12	8	10
Bulletproof Glass	30	25	35
Load-bearing Column	500	25	30
Roller Shutter Door	10	15	20
Steel Plate	80	30	35
Elevator	80	30	35

#### **Recommended Overlap Range for AP Signal Coverage**

During the deployment phase, it is essential to carefully consider the cell edge coverage for each access point (AP). It is recommended to design the cell edge of each AP with a signal strength of -67dBm to ensure optimal performance. Moreover, it is advised to maintain a 20% - 30% overlap between adjacent APs at this signal level. Failure to meet these requirements may lead to potential packet loss or blind areas at the cell edge, hindering the seamless switchover process for AX83H devices. To ensure uninterrupted roaming capabilities, it is highly recommended that AX83H devices consistently receive an RSSI of -67dBm or higher from the associated access point.

## **AP Placement**

The placement of APs is crucial in the construction of wireless networks. Through a well-designed AP layout, signal interference can be avoided, signal attenuation can be minimized, and better network performance and user experience can be achieved.

Improper placement of APs: Signals pass through multiple walls



Reasonable placement of APs: Signals pass through a single wall

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#### (i) IMPORTANT

- 1. Minimize the number of obstacles that the signal passes through.
- 2. Ensure that the AP is facing the target coverage area and is placed away from interference sources.
- 3. For scenarios that require a PoE power supply, the distance between the AP placement location and the weak current room (PoE power supply end) must be considered. The distance is recommended to be less than 100 meters.

## **Important WI-FI Parameters on APs**

There are several crucial parameters in Wi-Fi configuration for APs. Proper configuration of these parameters will enhance the roaming performance of AX83H.

Parameter	Description
Beacon Interval	The beacon interval defines the frequency at which the AP sends 802.11 beacon management frames. The default value is typically set to 100ms. It is recommended to keep the default value on the AP.

	This is the Delivery Traffic Indication Message (DTIM) period within the beacon.
DTIM	<ul> <li>TIP</li> <li>It is recommended to set it to 2.</li> </ul>
Unicast Mode and Multicast Mode	In unicast mode, the controller unicasts each multicast data packet to every associated access point. In multicast mode, the controller sends multicast data packets to the CAPWAP multicast group. This method reduces the overhead on the controller's processor and offloads the packet replication work to your network. It is recommended that unicast mode be used to ensure call quality.
	WMM is a wireless QoS protocol and a subset of the 802.11e protocol used to ensure high- priority packets are sent first, thus guaranteeing quality of service for applications such as voice and video.
WMM (Wi-Fi Multimedia)	<ul> <li>TIP</li> <li>QoS for SIP Layer 3</li> <li>Defines the QoS parameters for Layer 3 packets of SIP messages in decimal format. This value is used for IP precedence, Diff-Serv, or MPLS. The default setting is 26, equivalent to the DSCP name constant CS6.</li> <li>QoS for Audio Layer 3</li> <li>Defines the QoS parameters for Layer 3 packets of RTP messages in decimal format. This value is used for IP precedence, Diff-Serv, or MPLS. The default setting is 46, equivalent to the DSCP name constant CS6.</li> </ul>
Band Steering	Dual-band operation with band steering detects clients capable of operating at 5 GHz frequency and guides them to that frequency, making the more congested 2.4 GHz band available for traditional clients. This helps improve the end-user experience by reducing channel utilization, especially in high-density environments. It is recommended to enable band steering on the AP, which means that by default, the 5 GHz band should be used (if the 5 GHz signal is weak, users can switch to 2.4 GHz).

For the above important parameters, the following sections provide configuration methods for different vendor APs for reference.

#### **Cisco Embedded Wireless Controller**

#### ∲ TIP

If you need more detailed information, you can visit the Cisco Support website.

1. Log in to the web user interface.



2. Switch the configuration mode to the **Expert** mode.

Cisco Emb	edded Wireless Controller on Catalyst Acce	ess Points	Welcome admin	▼ ▲ B <mark>♥</mark> 9 <b>1</b> €	Search APs and Clients Q	Feedback y <sup>A</sup>
Q Search Menu Items	Configuration * > Tags & Profiles * > WLANs					
Dashboard	+ Add X Delete	Preferences	_	×		WLAN Wizard
Monitoring	Selected WLANs : 0 Status Y Name	Changing 'Configuration Mod	e' will trigger auto refresh of this GUI	T	Security	Ŧ
Configuration	Cicso-5G				[WPA2][FT + PSK][AES].[FT Enat	bled]
Administration	Cicso-2.4G	Default Landing Page	Dashboard		[WPA2][FT + PSK][AES].[FT Enab	oled]
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Y Troubleshooting		Track Logged In User	OFF			
		Dashboard Session Timeout 0				
		Guided Assistance	ENABLED			
Walk Me Through >		Dark Mode	DISABLED			
		Show Event Banners	ENABLED			
		Current Configuration Mode	○ Simple			
		Survey Participation ()				
			Save 3			

3. Add new WLAN. Go to **Configuration** > **Tags & Profiles** > **Wlans** > **Add**.

Cisco El	mbedded \	Vireless (	Controller on Catalyst Access Points	Welco	ome <i>admi</i>		Search APs and Clients Q	edback 🖌 🇭
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Edit WLAN							×
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		A Ple	ease add the WLAN	s to Policy Tags	for them to broadcas	t.	
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SSID*		Cicso-2.4G		5 GHz	Show slo	ot configuration	
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Status	2010			Status	ENABLED		
broadcast S	5510			802.11b/g Policy	802.11b/g 🔻		
Cancel						🛱 Update & Ap	oply to Device

4. Set the authentication method and fast roaming 802.11r.

Layer2       Layer3       AAA            • WPA + WPA2         • WPA2 + WPA3         • WPA3         • Static WEP         • None           • None          MAC Filtering           • WPA2           • Enabled           • Enabled           • Enabled           • Enabled           • Over the DS           • Reassociation Timeout       *           20           • MAC FitterIng           • Over the DS           • Reassociation Timeout       *           20           • Mex           • PSK	àeneral	Security	Advanced	Add To P	olicy Tags				
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5. Set the fast roaming 802.11k, 802.11v, and Wi-Fi 6.

Edit WLAN			
Per AP Per WLAN	0	Assisted Roaming (11k)	802.11k
Per AP Radio Per WLAN	200	Production Optimization	
11v BSS Transition Support	802.11v	Neighbor List	
BSS Transition		Dual Band Neighbor List	Ο
Dual Neighbor List	0	DTIM Period (in beacon int	ervals)
BSS Max Idle Service BSS Max Idle Protected		5 GHz Band (1-255) 2.4 GHz Band (1-255)	1
Directed Multicast Service Configuration of '11v BSS Disassocial supported from Command Line Interfa	tion Imminent' is ace (CLI) only	Device Analytics	
<sup>11ax</sup> Wi-Fi 6		Advertise Support	
Enable 11ax ()	0	Advertise PC Analytics Support <b>1</b> Share Data with Client	
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Downlink MU-MIMO Uplink MU-MIMO		On Association	0
BSS Target Wake Up Time	0	On Roam	

Cancel

Update & Apply to Device

6. After saving and submitting, edit and assign the policy profile again.

Edit WLAN	×
A Changing WLAN parameters while it is enabled will result in loss of connectivity for cli	ents connected to it.
General Security Advanced Add To Policy Tags	
+ Add × Delete	
Policy Tag     Policy Profile       Image: A state of the sta	policy-tag 🔻 💈
✓ Save	D Cancel
Cancel	Update & Apply to Device

#### Aruba

☆ TIP	
If you need more detailed information, you can visit the Aruba Support website.	

- 1. Log in to the web user interface.
- 2. Go to **Dashboard** > **Configuration** > **WLANs** > + to add a new WLAN.









Iobility Controller \ Aruba70	05 5D AD 7E					
	03_50_A0_72					
		WLANS 4				
		NAME (SSID)	AP GROUP	KEY MANAGEMENT	INFORMATION	
		aruba-2.4g	default, test	WPA2-Personal	-	
		aruba-2.4g-Kvr	default, test	WPA-Personal	-	
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MOBILITY COI Aruba7005_5 bility Controller > Aruba70 ( lity Controller Aruba7005_5D_AD_7E	Anter700, E11.2.557  BTROLEE  DAD,7E  Dashboard  Configuration  (WLANs  Roles & Policies Access Points ACCESS ACCE	WLANS 4         NAME (SSID)         aruba-2.4g         aruba-2.4g         aruba-3g         test         +         aruba-2.4g-kvr         Generative         • <td>ACCESS POINTS 2 0 0 P 1 AP GROUP default, test default, test</td> <td>CLENTS O O O ALERTS O O O ALERTS ALERTS VPA2-Personal VPA2-PERsoPERs VPA2-PERsonal VPA2-PERsonal VPA</td> <td>INFORMATION</td> <td>Cancel Submit Subr Cancel Rending C Pending C Coff the 802.11k. Example Contact of the solution of the sol</td>	ACCESS POINTS 2 0 0 P 1 AP GROUP default, test default, test	CLENTS O O O ALERTS O O O ALERTS ALERTS VPA2-Personal VPA2-PERsoPERs VPA2-PERsonal VPA2-PERsonal VPA	INFORMATION	Cancel Submit Subr Cancel Rending C Pending C Coff the 802.11k. Example Contact of the solution of the sol
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MOBILITY COL Aruba7005_5 Vility Controller > Aruba70 ( Wity Controller Aruba7005_5D_AD_7E	AnterPOOL E11.1.2.557  TROUCE CONFIGURATION  CONFIGURATION  CONFIGURATION  (WLANS  (WLANS  (WLANS  (WLANS  ACCESS Points  ACCESS Points  ACCESS Points  ACCESS Points  ACCESS Points  SVICES  Interfaces  Interfaces  SVICES  Interfaces  Interfaces  Interfaces  Interfaces  Interfaces  Interfaces  Interfaces  Interfaces  Interfaces  Interfaces Interfaces Interfaces Int	WLANS 4 NAME (SSID) * aruba-2.4g aruba-2.4g-kvr aruba-2.4g-kvr aruba-2.4g-kvr General Profiles for WLAN at © T virtual © T virtual © T c 0 C 0 C	ACCESS POINTS @ 2 0 0 P 1 AP GROUP default test default, test	CLENTS O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	INFORMATION	Cancel Submit Subr Cancel Submit Subr Pending C Pending C Coff the 802.11k. Subritic Subritic Subrit Subri
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4. Set the 802.11R fast roaming feature profile.

Aruba7005_5D	ROLLER D_AD_7E	ACCESS POINTSCLIENTSALERTS $\odot$ 2 $\odot$ 0 $\heartsuit$ 2 $\Rightarrow$ 0 $\bigtriangleup$ 0	⑦ admin ∨
Mobility Controller > Aruba7005	5_5D_AD_7E		Pending Changes 🗘
Ek Q Mobility Controller ⊡ Aruba7005_5D_AD_7E	Dashboard Configuration WLANS Roles & Policies Access Points AP Groups Authentication Services Interfaces Isystem Tasks Redundancy IoT Diagnostics Maintenance	General Admin AirWave CPSc Certificats NMP Logging       Profiles Aloudist More         Image: Construction of the second sec	The submit As

5. In **SSID**, select Apply 802.11r Profile.

Aruba7005_5D_AD_7E	r 7E	ACCESS POINTS CLIENT	TS ALERTS 0 2 0 △ 0	③ admin ¥
Mobility Controller > Aruba7005_5D_AL	ND_7E			Pending Changes 🗘
← Mobility Controller > Aruba7005_5D_AL Cont Mobility Controller Cont Con	D.7E Shiboard Ge Shiboard Ge Shiboard Ge WLANS Roles & Policies Access Points AP Groups Authentication Services Interfaces System Tasks Redundancy IoT gnostics intenance	eneral       Admin       AirWave       CPSec       Certificates         All Profiles <ul> <li>Management Authentication</li> <li>RADIUS Modifier</li> <li>RADIUS Server</li> <li>RADIUS Server</li> <li>RRM IE</li> <li>SSD</li> <li>RADIUS 249,kwr, Ssid_a</li> </ul> EDCA Parameters (AP)       EDCA Parameters (Station)       High-efficiency SSID         High-efficiency SSID       High-throughput SSID	SNMP Logging Profiles Allowlist More 802.11r Profile default  Advertise 802.11r Capability:  802.11r Mobility Domain ID: 1 802.11r R1 Key Duration: 3600	Pending Changes 🗘
	Aruba7005, 8.11.1.2 SSR			Cancel Submit Submit As

#### 6. Save.



#### Ruckus

# TIP If you need more detailed information, you can visit the Ruckus Support website.

#### (i) NOTE

802.11v is enabled by default and cannot be configured in the GUI or the CLI.

#### 1. Log in to the web user interface.



2. Add a new WLAN. We will add a 2.44GHZ WLAN as an example.

(i) NOTE		
WG Default		
2.4g		
WG 5g		
The WLAN group	<b>Default</b> is used for dual-band WLAN.	
The WLAN group	o <b>2.4g</b> is used for 2.4GHZ WLAN.	

The WLAN group **5g** is used for 5GHZ WLAN.

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新建 WLAN	×
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方法	WPA2 O WPA3 O WPA2/WPA3-Mixed O OWE O WPA-Mixed O None
算法: *密码: 802.11w MFP:	<ul> <li>● AES ○ 自动 (TKIP+AES)</li> <li>12345678</li> <li>● 已禁用 ○ 可选择的 ○ 必须的</li> </ul>
高级选项	•
无线用户隔离:	□ 在相同的AP上的其他用户隔离无线用户频道。         □ 在相同的AP或子网上的所有用户隔离无线用户频道。         不使用白名单 ∨
	(网关和其他能允许的主机需要白名单)
WLAN 优先级:	
记帐服务器:	茶用 ✓ +
访问控制	L2/MAC       无 ACL > + /         L3/4/IP 地址       无 ACL > + /         设备访问策略       无 > + /         成先级策略       Default > + /         自用基于角色的访问控制策略         展开在*管理 & 服务" > * 角色" 中应用基于角色的访问控制策略
应用识别控制:	
URL 1212	
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新建 WLAN	×
802.11d: 🗹 支持 802.11d(仅作用于2.4G频段)	^
DHCP option 82: □ 启用 DHCP Option 82	
Force DHCP: 使能 Force DHCP, 请断开客户编,如果客户编没有获得有效的IP地址在 10 秒后.	
DTIM 间隔: 1 (1-255)定义包含DTIM的信标频率	
管理 MC/BC 阈值: 5 (0-128)定义当AP停止将组寻址数据流星转换为单播时客户端计数	
客户编收发统计: 🔲 忽略未认证的客户编统计	
客户端指纹识别: 🗾 启用客户端指纹识别	
OFDM Only: □ 使能 OFDM Only	
BSS Min Rate: 默认 v	
Mgmt Tx Rate: 2.00mbps v (5 GHz 不变持 CCK 遗率 (1. 2, 5.5, 11 Mbps).)	
服务时间表: <ul> <li>Always on </li> <li>Always off </li> <li>Specific</li> </ul>	
Auto-Proxy:  □ 启用自动代理配置	
空间超时:在以下时间后,终止空间用户会话: 5 分钟空间时间	
无线资源管理 ☑ 启用 802.11k 邻居表报告 802.11K快速漫游功能洗项	
客戶端流星日志: 网络客户端数据流发送到syslog服务器	
□ 将连接记录发送到syslog服务器 (也可在在户端连接日志中的故障网络>诊新中下载。)	
願时客户端管理: □ 启用願时客户端管理	
● WI-F16: ■ <sup>启用</sup> WIFI6功能选项	

喻定

取消

3. Add the newly created WLAN ruckus 2.4g to the WLAN group 2.4g.

		▲ 支持服务位制(30)天	۲							2024/05/14 10:46:05	C adm	in
	CRK	无线局域网								検囲機式	718 1	
RAPA       KSO       KB       R2       MeNili       KB       KC       VAH       MeNili         60%       0.000       <	BAJR.	+ / D ×	0 4 +H2 200 D	12 O BH						<i>IRR</i>	۹ ۵	•
xxxx       xxx         xxx       xxxx         xxx <td< td=""><td>REFERENCE</td><td>= 系统</td><td>88 *</td><td>ESSID</td><td>说明</td><td>莱型</td><td>身份物道</td><td>108</td><td>8.8</td><td>VLAN</td><td>80%</td><td></td></td<>	REFERENCE	= 系统	88 *	ESSID	说明	莱型	身份物道	108	8.8	VLAN	80%	
S000040       Image: Source of the second of t	¢1210 ►	WG 2.49	No data available.									
XA       >         XA <t< td=""><td>20101019</td><td> of</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	20101019	of										
XiA       ►         XiA       ►         XiAA       ►         XiAAA       ►         XiAAAA       ►         XiAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	服务与配置 <b>▶</b>											
Image: Second	N44 ►											
• MARE       • MARE       • • • • • • • • • • • • • • • • • • •	1012 <b>&gt;</b>											_
SUR 249 説明 249 説明 Croup Settings マンジン・マンジン・マンジン・マンジン・マンジン・マンジン・マンジン・マンジン	① 新統計設置 新時常時: ruckus 前行時刻間: 17h 50m 制(年): 10.51.0 build 240	元元 <u>和田</u> 石小浜 事件 「 <u>和田</u>	-050							7620-0. BROKER	1	
249 説明 Group Settings		常规										
Group Settings		2.0: (2.0)	2.4g									
VLAN BELVLAN VLAN BEL		Group Settings									•	
VYLAN BER VLAN VLAN BER										<i>IRR</i>	٩	.
		WLAN			8940 1	UAN VLAN	「豊富					4.1

## 编辑 WLAN 组

**Yealink** 

常规								•
"Na	me: 24g 発明:							
Group Settings								•
						提索	Q	
VILAN		原始 VLAN	VLAN 覆盖					
ruckus-2.4g		1	● 无更改	() 标记				
					列出1-1,	总共1条记录	< <b>1</b> >	

×

## 4. Access Point Configuration.

RUCKUS"	▲ 支持服务QQ6(30)天	۲							2024/05/14 10:48	27 C	admin	0
ConeDervedor 2D1200 []	接入点								SERC FOR	<b>10</b> 102	网络	
18入48	+ / D x D C /AL 000 RF+								c	0	± 0	
παα αγ <sup>α</sup> α ►	- #id: 00	MAC IBld -	1288R	29	¥8	用的极大	PBM		外部中級ロ		,	
		00.e6:3a:38:4a:a0	RuckusAPt350	R350	Case	Disabled	10.52.10.23		10.52.10.23.1222	3		
		c0:c7:0a:1e:b4:10		H350	日期开连接(2024/05/14 09:25:37)	Auto	10.55.25.8		10.55.25.8 12223			
2020210210												
R94622 ►												
SIR ►												
1011 <b>•</b>												
<ul> <li>● 新研設第</li> <li>新研究第</li> <li>■ 新行院市 ruchus</li> <li>新行院前</li> <li>第 10.5.1.0 build</li> <li>240</li> </ul>	NE ER SPR SHOLD								Fiz1-2. (5)(2)(6)	98 E	•	
	彩現										-	
	88	System Default										
	IDEN System default group for Access Points											
	载源范围之资										•	
	2009-24-04z 1.2.3.4.5.6.7.8.9.19.11.12.13											
	无法原则 5.0 GH2 2019	<b>光振动影 5.0 GHz2部内</b> 36,40,44,48,52,56,50,64,148,153,157,161										
	无结构 5.0 GHz 重外	35,40,44,48,52,56,60,64,149	153,157,161									

5. The current configuration is that the WLAN group **2.4g** uses 2.4GHZ, and the WLAN group **5g** uses 5GHZ. If you need WLAN to support dual-band, set the WLAN group in the Radio settings to **Default**. The WLAN in the \*\*Default \*\*group can use dual-band transmission signals.

编辑AP组			×
*名称: 说明:	System Default System default group for Access Points		î
信道范围设置			-
无线电 2.4 GHz: 无线电 5.0 GHz室内:	<ul> <li>✓ 1 ✓ 2 ✓ 3 ✓ 4 ✓ 5 ✓ 6 ✓</li> <li>✓ 36 ✓ 40 ✓ 44 ✓ 48 ✓ 52 ✓ 5</li> </ul>	7 🗸 8 🗸 9 🗸 10 🗸 11 🗸 12 🗸 13 56 🗸 60 🗸 64 🗸 149 🗶 153 🗶 157 🗶 161	
无线电 5.0 GHz室外:	✓ 36 ✓ 40 ✓ 44 ✓ 48 ✓ 52 ✓ 5	56 🔽 60 💟 64 💟 149 💟 153 💟 157 💟 161	
Radio设置	无线电 2.4 GHz	无线电 5.0 GHz	-
信道帶致: 信道:	自动 > 自动 >	自动 >       室内     自动 >       室外     自动 >	
发射功率: WLAN 组: 呼叫输认控制:	自动 ~ 2.4g ~ 关闭 ~	自动 v 5g v 关闭 v	
WLAN 服务: 保护模式:	启用 ~ RTS/CTS ~	/ / □ 用 ▼	
网络设置			•
		10.45	WE TO BE A CONTRACT OF A CONTR
		MELE	RCFI