

AP USER MANUAL



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1. Log into the interface of AP

Set IP address of the computer: 192.168.1.23, subnet mask: 255.255.255.0 The default IP address is 192.168.1.2, the default password is admin.

Administrat	or Login		
Default Pass	word is 'admin'		
English			
Forget You	r Password?		
		Login	

2. Network Status(Dashboard) - Displays the current configuration and status information of the AP

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	ino	11 Decryption	Travel	1 202 Has	1 Materia	1 WAN
	atman, 35,012	2718	Parameter No.	NO	-	(what file).

- WAN: Display the network configuration information of the AP, the IP address of the WAN and LAN ports, the address of the gateway, the subnet mask, and the DNS. (169 Address: IP address automatically assigned to the AP when the DHCP information lease fails).
- Wireless info: 2.4G and 5G wireless code in different countries, maximum number of connections, roaming handover threshold, power, bandwidth and channel.
- Radio status: 2.4G and 5G wireless protocol modes, channel/frequency, wireless rate, noise and link quality.
- System info: working mode, device model, firmware version, running time and MAC address
- Real Time Flow Chart: current AP upstream and downstream rates.
- System load: CPU and memory usage, session usage.
- SSID: Information for multiple SSID configurations.

- DHCP client: A list of IP addresses assigned by the AP to the terminal. Applicable only to the wireless routing mode.
- Wireless terminal station: Displays the list of client currently connected to the AP.
- 3. Wizard: Step by Step guide for setting up your AP.

@ Dottoard	Wizard						
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2 um		OW/reless Router Mide	WAN port & PEPOL fact	in wired connection, UAN I P. automatic access.	port for wireless con-	nection, WVN port support	
Acres Centrolar							1
O Sjettern						(Ind) Hard	
C. Adversed							

- a. First step: Select the working mode for your AP ("Fit AP") mode is the default mode. * Please note: DHCP service cannot be enabled in this mode. The DHCP will be handled by your router.
 - Fit AP Mode (Default Mode): the AP is connected to your router and will act as a wireless access point. For better performance and control options, you can connect to an AC controller (Sold Separately). For further details, please refer to the gateway manual.



- Select the network protocol (DHCP or Static). Please note: The default IP address of the AP (192.168.1.2) will be changed to the selected IP address during this step.
- WAN Configuration: you can set the DNS.
- Wireless Configuration: modify the SSID name and encryption mode, and go to the "Wireless Settings" to modify the detailed configuration.
- \boxtimes Confirm that the configuration is complete.

Remark: Once the default IP of the AP has been changed, you will need to log-in with the newly assigned IP. If the settings were 'static', use the static IP address you assigned the unit. If the settings were 'DHCP', login to the router that is assigning the IP to this AP unit and look-up the IP assigned to the AP by looking up the MAC address of the AP from the connected device list of your router.

b. **Wireless router mode**, The WAN port of the AP is connected directly to the MODEM. Start the DHCP service of the AP.



- Select network connection mode: Select the type of Internet service you are subscribed to with your ISP (DHCP, Static, PPPoE).
- Configure the external network: DHCP: IP, subnet, and Gateway will be automatically assigned by your ISP. Static IP: Please enter the IP, Subnet and Gateway information provided to you from your ISP. PPPoE: Please enter the ID and Password provided to you from your ISP.
- Configure wireless network: modify the SSID name and encryption mode, and go to "wireless Settings" to modify the detailed configuration.
- Confirm that the configuration is complete.

Remark: When the Wireless Routing Mode is selected, the IP address of the AP will be changed to 192.168.11.1 and the DHCP service will be enabled.

4. WAN Settings

Configure the AP to connect to WAN: DHCP, Static IP, PPPoE are supported.

Please note: If you followed the setup process using the Wizard earlier, you do not need to configure these options again.

	WAN			
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Wiard		ma	Upramic #	STRIC P
Q 3005			Attentions and Pathwood Resource	
Tweley		PPPoE Username	IVIPOE Username Required	
🗇 With Schedule		Pastword	Pansword Required	
Q AID			Did	
Access Controller				
Q System				
OC Abranad				

5. Wireless Settings

Configure the 2.4G and 5G wireless settings by entering the SSID and encryption methods. Please note: If you followed the setup process using the Wizard earlier, you do not need to configure these options again. If you need multiple SSID, you can go to the 'Advanced' tab and add the additional SSID names.

Wight	2.4G WLAN Config	uration	
Q WM	Enable Wheless		
♥ weeken	May 550 SSID	Wireless, 2.45_0FDF	
🗇 will Schodule	Encryption	GRN	•
2 lao	5G WLAN Configur	ration	
9 Access Controller () System	Enable Wirelea Hide SSID		
D [*] Advanced Y	SSID	Wireless_5G_0KDW	
	Encryption	CRIN	

6. WiFi Schedule

You can set a schedule of when the WiFi is available by entering the start and stop times for each day of the week by enabling this option. If not enabled, WiFi will be available all the time.

	WiFi Schedule
10 Carltmani	
a word	With Scheduler
Q wate	Repet David Control Social Control Social Control Social
Twisteri	Start Time 00.00
(3 wm tchadae	Stop Tune 22:00
ç un	Sametrality
Q Access Controller	
O lyttem	
Q [®] ₀ Advanced	

7. LED Light on the AP can be switched 'on' or 'off'

	LED		
e Carleoard		1000	1473.799
Q. Witset		Immediately Selfich	ED-04
a www.		WiR Schedule	
P winders		Repeat	Table Contract, Page Inverse Lonky
		Start Time doired	
J with Schedule		Stop Time 2000	
2 600			Save/Apply
Access Controller			
D Settem			

8. **AC(Access controller) Management**, Cloud Direct or Cloud Managed Unified Gateway Options.

a. **Unified management**: By Default the AP is managed through a Gateway Module (ON-GW3) offering a more unified and quick management of multiple AP units. Please refer to the AP management section of the Gateway User Manual.

← → 0 ⊕ ○ HEHHEL2 <		() \$ \$ L #
16		The second secon
Access Control	ster	
Wined	Product Name A0	
Q men	The Tanne of the Dania	
There .	AC Addense Einnen ar kärina, af AC	
C self-bondule	Same Reprint	
Q LED		
Q. Acces Calender		
O lyter		
Channel M.		

b. Cloud management: When this option is selected, the AP is registered with the cloud server directly (http://165.22.140.64/login). After creating your user account at http:// 165.22.140.64/login, you will be assigned a binding code that is used to bind the AP to your cloud account. You will now be able to manage your APs via the Cloud account. For detailed explanation, please refer to the Cloud Account Manual.

	Device Name And Coordinates Configuration		
W Dethboard			
Wited	Device ID	4524324773dt075dtfa3dd31045bf5571e11f1c06016caac	
Q WAN	tinding Code	1A283C4A56	
WWWNESS		Enter your binding code obtained from the cloud	
Non Contractions	Product Name	AD-	
 WIFI Schedule 		The name of this device will be stoplayed in your cloud account to identify the device	
Q 180	Longitude		
W Cloud	Latitude		
O System		Save/Apply	

9. System Setting

Change password: to change your password, please enter your old password. Then your new password and confirm your new password and click on 'Save/Apply' to make the changes.

System Upgrade: In this section, you can update firmware (Manually from a local file or via the cloud upgrade), Save and import configurations files and restore to factory defaults.

a. Firmware upgrade

- Click on 'Select' to manually upgrade from a downloaded firmware file.
- Click on 'Check Upgrade' to check for and upgrade from a cloud server when new firmware is available.

b. Configuration Management

- Click on 'Save Config' to save the current AP configuration to a local PC.
- Click on 'Import Config' to restore a saved configuration to the AP

Click on 'Restore Default' to restore all settings to factory default state on the AP.

c. Reboot: Click on 'Confirm to Reboot' to reboot the AP

System			
Deshboard			
Witard .	Change Password		
WAN .	Old Password	Old Par	isword Required
* Wireless	New Password	New Pa	issword Required
) WiFi Schedule	Confirm Password	Confirm	n Your New Password
LED		1	iave/Apply
Access Controller			
System	System Upgrade		
å Advanced	Firmware Upgrade	A Select	QCheck Upgrade
	Current Version: v4.3 build)	0190614-445+0	131
	Config	A Seve Con	lig Almport Config Restore Default
	After the configuration is re	estored, it is ned	essary to restart the device manually to take effect
	Debugs.		and the second se

10. Advanced Setting

a. **DHCP Server**: When enabled, will assign IP address automatically to connected devices. (Only applicable when the working mode of the AP is set to 'Wireless Router Mode')

	DHCP Server	
destoord		
Wuad	Enable DHCP Server	
WAN :	DHCP Pool Start	100
The Wineless	DHCP Pool Size	150
Wifi Schedule	DHCP Lease Time	60
© uto	Le Primary DNS Server	00.0.0
Access Controller	Secondary DNS Server	2003
QF System		Sever/Apply
O ⁰ ₀ Advanced		
> DHCP farmer		
> Multiple SSID		
) RF Parameter		
PAG-WatchDog		
 Scheduled Rebort 		
3 System Time		

b. Multiple SSID Setting: Can create or delete multiple SSIDs for the AP in the 2.4G or 5G bands...

120101	Multiple SSID						
49 Defected	Add Winnies Signal						Alda Grante
G mail	A STATISTICS AND A STAT						And the second s
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O whitewake							
Q' up							
V AcesCentulier							
O tyrnes							
0) ananat							
) (HOFServer							
A. Multiple Dect							
> If feature							
r mo-weaking							
 E. Scheduled Relevant 							

Click "Add", select 2.4G or 5G network channel, fill in the required SSID and password, select "YES" or "NO" in "Hide SSID" and fill in VLAN Bind, then click "Submit".

Network	2.4G		
SSID	SID Required		
Encryption	WPA2-AES		
Password	Length of password is at least 8		
Hide SSID	NO		
VLAN Bind	0		
	0 mean	s to add to the default VLAN	

c. RF Parameter

() Beshboard		
G ward	Country	China
O WM	comp	Note: Switching mational regions can affect the available channels, and you may not be able to connect will if it is different from the index local centarias channel in the site routs.
The strength and the st	Enable WMM	
) WITI Schedule	User Isolation	
2 100	Max Associated STA	128
Access Controller	Beacon Interval	128
		Untres
0- System	HTS/CTS Threshold	2347
2 Advanced	Weak Signal Rejection Threshold	-95
> DHCP Server		Unitables, Suggestive value: 45, Marc 45, Mint 46
> Multiple 1500	2.4G Channel	AUTO
1 III Parameter	2.4G Bandwidth	ATTE MIRE MIRE MIRE AUTO
> PMG-WatchDeg	2.4G TaPower	AUTO
1 Schaduled Balance		List of Power dites
	5G Channel	AUTO
> System Tene	56 Bandwidth	NT20 WT00 HT00- HT00- HT00 AUTO
	SG TEPower	AUTO
		Unit of Power dDm

- Country: Select the corresponding country that the device in.
- WMM: Wi-Fi Multimedia, When 'Enabled', it will provide basic Quality of service (QoS) features. WMM prioritizes traffic according to four Access Categories (AC): voice (AC_VO), video (AC_VI), best effort (AC_BE), and background (AC_BK). However, it does not provide guaranteed throughput. It is suitable for well-defined applications that require QoS, such as Voice over IP (VoIP) on Wi-Fi phones.
- User Isolation: The User Isolation function is recommended not to be turned on, as all the wifi connected terminal devices cannot access each other after being turned on.
- Max Associated STA: It limit the number devices that can connect to this AP, it is recommended setting 40-50.
- Beacon Interval: Beacon interval might help your WiFi network to hold its connection with other devices. It is recommended to keep the default values.
- RTS/CTS Threshold: The wireless AP sends Request to Send (RTS) frames to a particular receiving device and negotiates the sending of a data frame. After receiving an RTS, the device responds with a Clear to Send (CTS) frame to acknowledge the right to begin transmission. It is recommended to keep the default values.
- Weak Signal Rejection Threshold: The AP will reject connection to any wireless device that tries to connect with a signal strength below the set value.
- ☑ 2.4G/5G Channel: 2.4G/5G supports automatic adaptation to the allowed wifi channels by the country code selected.
- 2.4G Bandwidth: Support 20/40/40+/40- MHz
- 5G Bandwidth: Support 20/40/40+/40-/80 MHz
- 2.4/5G TxPower: 2.4G supports up to 27 dBm and 5G supports up to 23dBm.

d. **PING-WatchDog**: After the function is enabled, the AP can perform line detection and perform preset actions.

PING-WatchDog		
# Dehboard		
Q ward	Enable Ping Watchdog	
Q WAN	Address	192.168.11.1
The Wales		IP or Domain
	Interval of checking	60
 WVI Schedule 		Interval, unitsez, suggest/80
Q 180	Number of Failure	3
		Selected action initialed after number of failures indicated Suggestited value 3
Access Controller	Ping Timeout	2
O System		Prog Timeout, Suggetted value2
	Action	Retoral Cross-similars Restart Network (Institute Resourt SSD (Institution)
Q ² Attended		If the monitoreal address can not be proped, the corresponding action will be performed.RESCUE SSID format RESCUE XXXX, RESCUE assessment 90000008.
3 DHCP Server		Save/Apply
> Multiple SSID		
) BE Patamatan		
N C AND DESCRIPTION		
Consequences and		
 Scheduled Rebort 		
5 Sutten Time		

- Watchdog monitoring address: AP performs PING test on the address or domain name
- Interval of checking: Ping test interval (unit: second)
- Number of failures: Ping checks the number of consecutive failures and performs actions. The suggested value is 3 times.
- Ping Timeout: Maximum ping time (unit: second)
- \boxtimes Watchdog monitoring action:
 - a. Reboot the device
 - b. Turn off wireless 2.4G and 5G wireless signals are off
 - c. Restart the network restart the network ports
 - d. Open RESCUE SSID increase wireless RESCUE SSID, name format:
 - RESCUE_99_XXXX, password: 99999999
 - e. No action
- e. **Scheduled Reboot**: When this feature is turned on, the AP can be set to automatically reboot daily, weekly, or monthly based on the schedule created

Reboot Cycle	Every Day	
Reboot Time	00:00	
	Save/Apply	

f. **System Time**: When 'NTP (Network Time Protocol)' is enabled, the AP will synchronize the system time to the installed location when connected to the internet.

all Dathboard			
a second			
2 wited	Enable NTP		
Q WAN	Time Zone	Asia/Shanghai	3
T Western	System Time	1970-01-01 15:24:59	
With Schedule	NTP Server	0.pool.ntp.org	
Q up	NTP Server	1.pool.ntp.org	
	NTP Server	2.pool.ntp.org	
V Access Controller		Save/Apply	
O System			
Q [*] Advanced			
3 DHCP Server			
> Multiple SDD			
3 BF Patameter			
3 PNG-WatchDog			
Scheduled Reboot			