

# 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	ər Login	
Default Pass	word is 'admin'	
English		
Forget You	Password?	
	Login	

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

	162.168.1.2r					
	10					tent beisenjahren Quains (Base
Ngund and N House	VALM Personal Inter Gammage 10008 19 Addresse 1922/01/20 196: 20220 198 Addresse 1993/01/2015	Working helis     Country Caller: Cit.     War Associated STA     Working and Associated     Working of Associated     Leta Research and     Leta Research and     Leta Research and	Threadaild III	Kalio Sana 143 Kalio Kada amitting 143 Deems/Reparty: 5/07/04/0 143 Kalendika: 141/05/0 143 Male in the 143 Male in the	1404/10.0%) 1404/10.0%) 1404/10.0%) 1404/10.0%) 1404/10.0%) 1404/10.0%)	lavie Name: AP Name: AP All And States (Second States) All And States (Second States) All Manual (Manual All All Manual (Manual All) All Ma
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	Miner, N. OCP	2018	Parameter No.	20	8	Jeffuit (Late

- 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.
- $\boxtimes$  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.

@ Delthard	Wizard						
- ware		1 chevro wine Michel 2, Serie	1 Second	2 was proposition	A protect	Standard .	
D was		NoteSwitching mode will cau	in the state	and the stations for something the	the delayer state		
Winners .		Stores in character					
O with some the		#Fit AP Mode		erage mode, jupport en need Access sontroller)		N, seamlers roaming, user	
2 um		OW/reless Router Milde		r wired connection, U/N IP, automatic access.	port for wireless core	noction. WXNi port support	
Acos Centroler						1000	
O Sjettern						(Incl.)	asial.
Of Advertered	e						

- 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			
1 Delhocard		PPFoE	Dynamic IP	Static IP
Witard .				
Q 2004			Usernamo and Password Required	
Wvelen		PPPoE Username	IV/Voll Userhaine Required	
🗇 Wili Schedulio		Password	Paraword Required	
9 km			Dia	
Access Controller				
Q System				
Q <sup>*</sup> <sub>0</sub> Alvaroad	č.			

# 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.

Without	2.4G WLAN Config	uration	
Q WAY	Enoble Wivelets Hide SSID		
Ø 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 <sup>*</sup> 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			
15 Darbhnaid				
a word				
		Wifi Schedule		
O waiv		Repeat	Annual Tantas Tantas Person	Time: Literar Lonior
Twinteri		Sart Time	04.00	
		Stop Time	22-09	
3 with Schedule			Save/Apply	
2 MB			a contraction (California)	
Access Controller				
O lytem				
C Advanced				

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

/E Cathoard	LED		
🕽 Witsef		Immediately Settich	OF LED OF
a www.		Wife Schedule	
9 windes		Repeat 06:00	
With Schedule		Jan me	
2 600		Slop Time 3200	Save/Apply
Access Controller			
D Settem			
2 <sup>th</sup> Advanced	ы. С		

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 ⊕ ⊚ HΩHAL3 =		() \$ \$ £ #
16		The second secon
R College	tolier	
Word Word	Product Name AP	
Q men	The Name of the Decky	
The second secon	AC Addense Element of Islams of AC	
O will behave	Saint, Repty	
Q uo		
Q. Antoni Cartendia		
O System		
Character 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	4524324773dt075dt1s3dd31845bt5571e11f1c06016casc	
Q WAN	tinding Code	14283C4458	
Wretes.		Enter your binding code obtained from the cloud	
Willi Schedule	Product Name	A9	
<ul> <li>WIFI Schedule</li> </ul>		The name of this device will be insplayed in your cloud account to identify the device	
Q LED	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	
Wizard	Change Password
WAN	Old Password Old Password Required
P Wireless	New Password New Password Required
) Wifi Schedule	Confirm Password Confirm Your New Password
LED	Save/Apply
Access Controller	
9 System	System Upgrade
C Advanced	Firmware Upgrade A select Q,Check Upgrade
	Current Version: v4.1.buikt00190614-4a5e831
	Config Asave Config Astronomy Restore Default
	After the configuration is restored, it is necessary to restart the device manually to take effect
	Reboot Canfirm To Reboot

#### 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		
Witard	Enable DHCP Server	
WAN :	DHCP Pool Start	100
The Wineless	DHCP Pool Size	150
Wifi Schedule	in the second	60
© uto		ne TimetMinute
Access Controller	Secondary DNS Server	2003
QF System		Save/Apply
O <sup>0</sup> <sub>0</sub> Advanced		
> DHCP farmer		
> Multiple SSID		
) RF Parameter		
PAG-WatchDog		
<ul> <li>Scheduled Rebort</li> </ul>		
3 System Time		

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

di Dahisari	Multiple SSID						
di Debicard	Add Wireless Signal						Alder Directo
G mai							
O MIN	100	Docyptice	Fallmoid	200 Hide	Network	VLA4	Operation
T privatera	midia_140,000	Crimi Crimi		-	240	Default V.AV	
	Works,31,012	LP11		144		Detail V.A.	(Biterres)
Whitesta							
Q' siz-							
Q. Noris Centralier							
© tyres							
Of almost *							
> DHOPServer							
1. Multiple Disc.							
Outpetite      Outpetite							
a 19 Paradister							

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 means	to add to the default VLAN	

# c. RF Parameter

# Deshboard		
G mard		
	Country	China
O WM		Note-Switching national regions can affect the available channels, and you may not be able to connect will if it is different from the higher level network channel in the sta mode.
🗇 mireless	Enable WMM	
3 WITE Schedule	User Isolation	
2 100	Max Associated STA	128
Contract New York	Beacon Interval	128
Access Controller		Uniters
> System	RTS/CTS Threshold	2347
A		Unit Bytes, default (2)47
0[] Advanced	Weak Signal Rejection Threshold	-85
> DeiCP Server		Unit-Allen, Suggestive volue:-43, Max:46, Min:-45
> Multiple SMD	2,4G Charinel	AUTO
1 IS Province	2.4G Bandwidth	sates artes artes auto
> PMG-WatchDeg	2.4G TaPower	AUTO
. 29 - 19 전 전 전 20 - 20 - 20 - 20 - 20 - 20 - 20		Unit of Power office
> Scheduled Reboot	5G Channel	AUTO
> System Time	56 Bandwidth	NT20 NT80 NT80- NT80- NT80 AUT0
	SG TaPower	OTLA
		Lost of Power dBm

- 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 Westers		IP or Domain
	Interval of checking	60
<ul> <li>WVI Schedule</li> </ul>		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	Retroit Cose wriness Restort Network Brudie Resour SSD Incl Accord.
Q <sup>®</sup> Advanced		If the incivitured address can not be pinged, the corresponding action will be performed.RESCUE SSID format RESCUE 2000, RESCUE partnerset 19899999.
3 DHCP Server		Save/Apply
> Multiple SSID		
) RF Patameter		
> Pre-watching		
Consequences and		
<ul> <li>Scheduled Rebort</li> </ul>		
> System 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

Scheduled Reboot 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.

Time Manager			
A PROPERTY.			
Wited	Enable NTP		
Q WAN.	Time Zone	Asia/Shanghai	5
T Wysiets.	System Time	1970-01-01 15:24:59	
Will Schedule	NTP Server	0 pool intp. org	
ŷup.	NTP Server	1.pool.ntp.org	
Access Controller	NTP Server	2.pool.ntp.org	
		Save/Apply	
O System			
C sharest			
> DHCP Server			
> Multiple SSID			
3 BE Patahetar			
3 PNG-WalchDog			
Scheduled Reboot			
3 Bythen Time			