## HaLow-U Bridge Setup Guide

Purpose: HaLow-U connect to Windows PC 1 and Windows PC 1 shared internet connection to another Windows PC 2 through HaLow-U



2. Open Browser and type 192.168.100.1 to login page Username: admin Password: admin 192.168.100.1/#/login ss. place your favorites here on the favorites bar. Manage favorites now	2.	Open Brow Username: Password: a 192.168.100.1/#/ic st. place your favorites
Iogin.Authorization Required         A login.Please input username         Iogin Please input password         Iogin Login		
Iogin.Login A admin B Or Iogin.Login		

ser and admin admin	type 192.168.100.1 to	o login p	age	
gin here on the favorites b	ar. <u>Manage favorites now</u>		A" 1	5≡ (⊕ ≪ (
	login.Login			
	login.Authorization Required			
ρ	login.Please input username			
e	l login.Please input password login.Login	Ø		
	login.Logi	n		
	login.Authorization Require	ed		
	A admin			
	₩	ø		
	login.Login			
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3.	In the Network section change the LAN IP address to 192.168.100.2 and
	disable the DHCP Server

Matrix Pro	Ē
🜐 Home	
윪 Network	lan.IP Protocol: lan.static V
🍫 System	* Ian.IP Address: 192.168.100.2
	lan.Netmask: 255.255.255.0
	lan.Gateway:
	DHCP Server
	lan.DHCP Server: lan.Disable V
	* lan.DHCP Range: 192.168.100. 100 ~ 200
	* lan.DHCP Leases Time: 0 Day 12 Hour
	SAVE APPLY

 Go back to the Windows Network Connection page and right-click "Remote NDS Compatible Device" to setup the fixed IP address such as 192.168.100.77

。乙太網路 2 Status	/ ×	■ 乙太網路 2 Properties X	網際網路通訊協定第 4 版 (TCP/IPv4) Properties	×
General		Networking Sharing	General	
Connection		Connect using:		
IPv4 Connectivity:	No Internet access	Periode NDIS Compatible Device	this capability. Otherwise, you need to ask your network ac	dministrator
Media State:	Enabled	Configure	for the appropriate prisetorigs.	
Duration:	00:19:36	This connection uses the following items:	Obtain an IP address automatically	
Speed:	0 bps	Client for Microsoft Networks	O Use the following IP address:	
Details		File and Printer Sharing for Microsoft Networks	IP address: 192 . 168 . 100 .	. 77
/		☑ 〒GoS 封包排程器 ☑ · 網際網路通訊協定第4版(TCP/IPv4)	Subnet mask: 255 . 255 . 255 .	0
Activity		▼ □ _ Mcrosoft Network Adapter 多工器通讯编定	Default gateway:	
	· · · · · · · · · · · · · · · · · · ·	<ul> <li>✓ ▲ Microsoft LLDP 通訊協定随動程式</li> <li>✓ ● 網路網路通訊協定第 6 版 (TCP/IPv6)</li> </ul>		•••••*
Sent —	- Received		O Use the following DNS server addresses:	
Bytes: 516,789	2,618,306	Instal Uninstal Properties	Preferred DNS server:	
	****	Description	Alternate DNS server:	=
Separate Properties Disable	Diagnose	傳輸控制通訊協定/網際網路通訊協定 (TCP/IP)。這是預 鈴的廣域網路通訊協定,提供不問網路之間的通訊等		
S		力*	Validate settings upon exit	Advanced
	Close			
		OK Cancel	OK	Cancel

3. In the Network section disable the DHCP Server Matrix Pro •= ⇔ Home / Network / LAN Home lan.LAN setting 器 Network 🍫 System lan.IP Protocol: lan.statie \* lan.IP Address: 192.168.100.1 lan.Netmask: 255.255.255.0 lan.Gateway DHCP Server lan.DHCP Server: lan.Disable \*-----\* \* Jan.DHCP Range: 192.168.100 \* lan.DHCP Leases Time : Dav Hour

 Go back to the Windows Network Connection page and right-click "Remote NDS Compatible Device" to setup the fixed IP address such as 192.168.100.88



5. Go back to the browser and enter the 192.168.100.2 to access the setting page and scan the AP to select to connect

atrix Pro <sup>10me</sup>	access, place your lavontes ne	re on the favorites bar. <u>Man</u>	ege lavorites now			Language
Network System	80211AH Status Working Mode Master Channel 36 Security No Encryption Network Name	80211AH Sett AH Mode: * Network Nam Security :	Network Name         AHXC7292U-b2e8c7         Bandwidth         IM         Country Code	Station V Q Q Cancel OK	MAC 00.CO:CA-B2EB.C7 Frequency 9085 MHz TX Provector m L	ink Rate
80211AF Network N	i APs ame	с	hannel / Bandwidth	Signal Quality	Operate	×
	0C:BF:74:B3:DA:22		CH: 922 Mhz BW: 4 M	-49 dBm 100 %	⇒ Se	lect

5. Go back to the browser and enter the 192.168.100.1 to access the setting page.

To setup the AP mode, go to Edit  $\rightarrow$  change AH mode to AP mode and choose the channel you want to use and give the Security password, then hit "OK" to save config.



**NOTE:** Now go to HaLow-U Client Setting and follow steps to step 6 to connect to HaLow-U AP

6. When HaLow-U client connected will show in Network Status page

trix Pro	≡			🖲 Language 🗸 🛛 R. admin 🗸
me	Home			
etwork	80211AH Status			inda 🏟
stem	Working Mode	Network Name	MAC	
	Master	AHXC7292U-b2e8c3	00:C0:CA:B2:E8:C3	
	Channel	Bandwidth	Frequency	
	165	4 M	922 MHz	
	Security	Country Code	TX Power	
	WPA3	US	30 dBm	
$-\ell$	Network Name	MAC Address	Signal	Link Rate
	AH0C7292U-b2e8c3	00:C0:CA:B2:E8:C7	-33 dBm	TX: 6 Mbps RX: 6 Mbps
				<u> 1</u> 2

**NOTE:** After HaLow-U client successful connect to HaLow-U AP, then do below step 7 and 8.

 Wait until connected to the HaLow-U AP When connected it will show in connection status.

M	latrix Pro	trix Pro 🗉 🖷 🖷 🖷 Eanguage					
۲	Home		80211AH Status				🕸 EDIT
<del>क</del>	Network		Working Mode	Network Name		MAC	
••	System		Client	AHXC7292U-b2e8c3		00:C0:CA:B2:E8:C7	
		Ű	Channel	Bandwidth		Frequency	
			165	4 M		922 MHz	
			Security	Country Code		TX Power	
			No Encryption	US		30 dBm	
		•••	Network Name	MAC Address	Signal	Link Rate	
			AHXC7292U-b2e8c7	00:C0:CA:B2:E8:C3	-4 dBm	TX: 6 Mbps RX: 6 Mbps	
						<	1 >

**NOTE:** After HaLow-U client successful connect to HaLow-U AP, then go to HaLow-U AP setting step 6

7. Go back to Windows Network Connection page and change to "Obtain an IP address automatically."



7. Go back to Windows Network Connection page and change to "Obtain an IP address automatically." ..... Wi-Fi Not co Realted 乙太網路2 × 藍牙網路連線 Not connected 網路 3 20 Realtek RTI 88528F WiFi 6 802.1 Rivetooth Device (Personal Area ...... 。乙太網路 2 Status 乙太網路 2 Properties 網際網路通訊協定第4版 (TCP/IPv4) Propertie General General Alternate Configuration Networking Sharing Connection Connect using can get IP settings assigned automatically if your network supports 1Pv4 Connectivity network arress this capability. Otherwise, you need to ask your network administrato Remote NDIS Compatible Device for the appropriate IP settings. IPv6 Connectivity network access ...... Media State Enabled Configure Obtain an IP address automatically 00:40:27 Duration: This connection uses the following items O Use the following IP address: Speed: 0 bos Client for Microsoft Networks File and Printer Sharing for Microsoft Network
GOS \$193#1268 Details. ✓ ▲ 網際網路通訊協定第4版 (TCP/IPv4) Microardt Network Adapter 多工務通知協定 Activity \_ Microsoft LLDP 通訊協定驅動程式 Othain DNS server address automatically ✓ 網際網路通訊協定第6版(TCP/IPv6) O Use the following DNS server addresses: Preferred DNS server: Bytes: 1,056,516 4,119,854 Install Properties Alternate DNS serves Description 傳輸控制通訊協定/網際網路通訊協定 (TCP/IP)。這是預 設的廣域網路通訊協定,提供不同網路之間的通訊能 Properties Disable Diagnos Validate settings upon exit Advanced. Close OK Cancel OK Cancel

The HaLow-U client Remote NDIS Compatible Device will getting IP range 192.168.137.x from the remote HaLow-U AP windows system. If you can see the 192.168.137.x IP range, means your setup is success. You



 Choose the Ethernet port which connects to the Internet. This sample is "Realtek PCIe GbE Family Controller" choose Properties, then go to Sharing tab. Check the Allow other network users and select the HaLow-U "Remote

NDIS Compatible Device." to share the internet.



<ul> <li>DOWNLOAD Mbps</li> <li>DOWNLOAD Mbps</li> <li>2.25</li> <li>Ping ms</li> <li>67</li> <li>69</li> <li>190</li> <li>How Does your network availability compare with your expectations?</li> <li>DFT Taipei Change Server</li> <li>HiNet 61228251.64</li> <li>Download Mbps</li> <li>UPLOAD Mbps</li> <li>UPLOAD Mbps</li> <li>2.13</li> <li>190</li> <li>As expected</li> <li>Much better</li> </ul>	$\checkmark$	Speed test result.							U
Ping ms <ul> <li>67</li> <li>68</li> <li>190</li> </ul> Connections Multi DHT Taipei Change Server HiNet 61.228.251.64 669 69 190 How Does your Network Availability compare with your expectations? 1 2 3 4 5 Much worse As expected Much better			© downl 2.25	OAD Mbps - )	⊛ upl 2.	oad mbp 13			
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GO     DFT Taipei     1     2     3     4     5       Change Server     Much worse     As expected     Much better       HiNet 61.228.251.64     61.228.251.64		Coni Mult	nections :i		HOW DOE	S YOUR NE WITH YC	TWORK AV	AILABILITY ATIONS?	COMPARE
Change Server Much worse As expected Much better									5
		Chai HiNe 61.22	nge Server e <b>t</b> 28.251.64						Much better

## After shared Ethernet LAN internet, you can check HaLow-U Remote NDIS Compatible Device IP is 192.168.137.1 which assigned by Windows system



## **NOTE:** After this step then go to HaLow-U client setting step 7