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First login (Password change) with LANconfig connecting the BAT device to a personal computer (2020-02-13)

Christoph Strauss - 2020-02-14 - BAT, WLC (HiLCOS)

Introduction:

This HowTo applies to BAT devices with the following software release and later: HiLCOS 10.12-RU2

To help prevent undesired access to the device, it is imperative that you change the default password during initial setup.

Prerequisites:

- RJ45 Ethernet cable is available (not included in the scope of delivery)
- Personal computer is on
- HiDiscovery software is installed
- LANconfig software is installed
- Device is on

Step 1: Connect the device to your personal computer using the RJ45 Ethernet cable.

Step 2: Open (double-click) HiDiscovery.



Result: HiDiscovery detects the new device without IP configuration as shown in the screenshot below.

0	MiDiscovery										
File	File Edit Options ?										
Image: SignalImage:						2 Rescan	Nreferences	192.168.1.1: USE	13.0 to Giga	bit Ethernet Adapt	-
Id		MAC Addres	s	Writable	IP A	ddress A	Net Mask	Default Gateway	Product	Name	
1 EC:E5:55:A7:EB:F0			0.0.0.0		0.0.0.0	.0.0.0 BAT-R		BAT-R_A7EBF0			

Troubleshooting if HiDiscovery does NOT detect the device:

There might be a conflict between HiDiscovery and your Antivirus program. Proceed as follows:

- 1. Contact your system administrator to check if the Antivirus program can be disabled temporarily or if an exception for HiDiscovery can be configured.
- 2. Then click "Rescan".

HiDiscovery detects the new device without IP configuration as shown in the screenshot above.

Step 3: Double-click the device that you want to configure.



Result: HiDiscovery opens the "Properties" dialog.

Properties ×							
MAC Address: EC:E5:55:A7:EB:F0							
Name: BAT-R_A7EBF0							
IP Configuration							
IP Address: 0 . 0 . 0 . 0 Set Default (0.0.0)							
Net Mask: 0 . 0 . 0 Set Default (0.0.0)							
Default Gateway: 0 . 0 . 0 Set Default (0.0.0)							
Save As Default							
Ok Cancel							

Step 4: IP Configuration

I	Properties										
I	MAC Address: EC:E5:55:A7:EB:F0										
I	Name:	BAT-	R_A7E	BFO)						
IP Configuration											
	IP Address:		192	•	168	•	1	•	2		Set Default (0.0.0.0)
	Net Mask:		255	•	255	•	255	•	0	5	Set Default (0.0.0.0)
	Default Gate	way:	0	•	0	•	0	•	0		Set Default (0.0.0.0)
	Save As Default										
L											

- 1. Configure the IP Address according to your preference.
- 2. Configure the Net Mask according to your preference.
- 3. Click "OK".

Result: After 5-10 seconds HiDiscovery shows the IP Address and the Net Mask that you have configured (see screenshot below).

0	HiDis	covery									
Fi	File Edit Options ?										
	<mark>알</mark> Signal	♥ Properties) www	🗃 Telnet	⊙ Ping	∂∂ Rescan	Nreferences	192.168.1.1: USB3.) to Gigabit E	thernet Adapt 🔄	-
	Id I	MAC Addres	s V	Vritable	TP A	ldress A	Net Mask	Default Gateway	Product	Name	
C	1 EC:E	E5:55:A7:EB	:F0	V	192.10	58.1.2	255.255.255.	0 0.0.0.0	BAT-R	BAT-R_A7EBF0	

Troubleshooting if the IP Configuration takes longer than 10 seconds after you have clicked "OK" and the configured IP Address and the Net Mask are still NOT shown:

There might be a conflict between HiDiscovery and your Antivirus program. Proceed as follows:

- 1. Cancel the action.
- 2. Contact your system administrator to check if the Antivirus program can be disabled temporarily or if an exception for HiDiscovery can be configured.

3. Click "Rescan".

HiDiscovery shows the IP Address and the Net Mask you have configured (see screenshot above).

Step 5: Open (double-click) LANconfig.



Step 6: Click "OK".

Hirschn	nann LANconfig 🛛 🔀
<u> </u>	LANconfig generates backup copies of a device configuration when a new firmware is uploaded or configuration changes were made.
	These backups may contain security relevant parameters, please select the backup path accordingly (can be set under Tools > Options > Backup).
	Do not show this notice again
=	ОК

Step 7: Click "File" > "Find Devices".

🚰 Hirschmann LANconfig							
File Edit Device Group View Tools Help							
Add Device Ins							
Delete Device	Del						
Find Devices	Find Devices F3						
Check Devices in this View	F5						
Check all Devices for Firmware Updates in local Firmware Arc	hive						
Cancel All Actions							
Devices/Configurations from CSV File							
Export Device List							
New Folder							
Exit	Alt+F4						

Step 8: Use the default parameters (as shown in the screenshot below) or define your own search parameters.

 Find Devices Search parameters: Pick the methods to be used to scan for new devices and decide on a parameters as necessary. 	? ×
✓ Search the local network for 3 ★ seconds Search an IP range using 3 ★ tries From: To:	T
 Additional methods Extend search to managed APs Search 	n Cancel

Step 9: Click "Search".

🔍 Find	Devices ? ×	
Q	Search parameters: Pick the methods to be used to scan for new devices and decide on additional search parameters as necessary.	
-	Search the local network for 3 : seconds	
	From: To:	
-	Additional methods Extend search to managed APs	
-	Search Cancel	

nfiguration reading started

Result: LANconfig shows the newly configured device in the "Find Devices" dialog.

Find Devices
Device scan complete. 1 of 1 devices will be added.
Mamo Dovice Tune Address Serial Nur
BAT-R_A7EBF0 BAT-R 192.168.1.2 942070999
 I device(s) found. (1 new one(s), 1 with complete sysinfo) Why is my device not being found? Search anew Add selected devices Cancel

Step 10: Click "Add selected devices".

I	Find Devices			_ 🗆 🗙
	Device scan co	mplete.		
	1 of 1 devices will	be added.		
	✓ Name	Device Type	Address	Serial Nurr
	BAT-R_A7EBF0	BAT-R	192.168.1.2	942070999
Sč	•			Þ
	1 device(s) found. (1 nev	v one(s), 1 with complete sysinf	0)	
			·	
	Why is my device not being	found? Search anew	Add selected devices	Cancel

Result: LANconfig shows the newly configured device in the start dialog.

ANconfig								
Group Vi	Group View Tools Help							
> ✔ ✔ 🖻 🚍 ≫ 🚓 🔐 - ≫ ❷ 📿 QuickFinder								
Nconfig	Name 🔺	Comment	Cluster Name	Address				
	@BAT-R_7B5B99			10.115.45.119				
	BAT-R 913100			10.115.45.121				
	BAT-R_A7EBF0			192.168.1.2				
	SAT450-F_982CFE			10.115.45.122				

Step 10: Right-click the newly configured device.

Nconfig								
Group View Tools Help								
> ✔ ✔ 🖻 🚍 ≫ 🚓 🔐 + 😻 😢 🔎 QuickFinder								
Vconfig	Name 🔺	Comment	Cluster Name	Address				
	@BAT-R_7B5B99		10.115.45.119					
	2 PAT D 012100			10 115 45 101				
	BAT-R_A7EBF0			192.168.1.2				
			10.115.45.122					

Step 11: Click "Configure".

Name	Comment	Cluster Name	Address		Location
@BAT-R_7B5B99			10.115.45.119		
BAT-R_913100			10.115.45.121		
@BAT450-F_9820	CFE		10.115.45.122		
🔒 BAT-R_A7EBF0			197 168 1 7		
	Configure			Ctrl+O	
	octup wi	card		Ctrl+W	
	Quick Roll	back		Ctrl+Q	
	Check			Ctrl+F5	
	Configurat Firmware N WEBconfig	ion Management 1anagement 1 / Console Session) 	
	Monitor De	evice			
	Monitor De	evice Temporarily		Ctrl+M	
	Monitor W	LAN Device			
	Monitor W	LAN Device Tempora	arily		
	Create Tra	ce Output		Ctrl+L	
	Set Date/1	īme			
	Activate Se	oftware Option			

Step 12: Click "Yes".

Hirschn	nann LANconfig ×
<u> </u>	This action is performed using the HTTPS protocol to transmit data. Even though the data transmission is encrypted, the connection will not yet be secured by certificates.
	Do you want to continue?
	Do not show this warning again
	Yes No

Step 13: Type in the password "private".

Login D	ata for BAT-R_A7EBF0
Z	No login information is stored for this device. Please enter valid login information below in order to access the device.
	Administrator:
	Password:
	Save login information
	OK Cancel

sk for undator is not supported in this varsion.

Step 14: Click "OK".

	Login Data for BAT-R_A7EBF0	<u>? ×</u>
	No login information is stored for this device. Please enter valid login information below in o to access the device.	rder
	Administrator:	
	Password: Save login information	
_	OK Cance	

Result: LANconfig opens the "Configuration" dialog.



Step 15: Click "Configuration" > "Admin".

	BAT-R_A7EBF0, Config	uration
	G QuickFinder	
- R	Configuration	ि ि Device name:
	🤤 🦣 Hanagement	Location:
	 Rollout Agent Admin Autnentication 	Administrator:
	💑 Costs	
	🗔 Advanced	
	🗉 💩 Wireless LAN	Comments
	🗉 🇔 Interfaces	
	🗉 🕑 Date & Time	
	🗉 🝺 Log & Trace	
	🗉 👮 Communication	
	🕀 👤 IPv4	
	🕀 👤 IPv6	
	🗉 🔂 IP Router	

Step 16: Type in a new password that contains at least 8 characters which includes upper-case characters, lower-case characters, numerical digits and special characters.

gu	ration	<u>? ×</u>
	Device configuration	
	Administrator name (optional):	
	Main device password: Show	
	Repeat	
	You also can set up further device administrators:	
	Further administrators	

Step 17: Type in the new password from Step 16 again.

Device configuration
Enforce device password policy
Administrator name (optional): admin
Main device password: Show
Repeat:
You also can set up further device administrators:
Further administrators
You also can set up further device administrators: Further administrators

Step 18: Click "OK".

Image: Configuration Image: Configuration Image: Configure Configuration Image: Configuration Image: Configure Configuration Image: Configuration Image: Configure Configure Configuration Image: Configure Configuration Image: Configure Configure Configuration Image: Configure Configuration Image: Configure Configu	
Management Management Repeal Admin Administrator name (optional): Advanced Advanced Vou also can set up further device administrators: Vireless LAN Imagement <	
Administrator name (optional): Admini Admini <	Show
 Admin Main device password: Authentication Costs Advanced Wireless LAN Therfaces Date & Time Log & Trace Configuration login lock Invertion Invertion Prof Invertion Prof Lock configuration after: Invertion Prof Lock configuration for: Preval/QoS Configure over which channels configurations may be uploaded to and through what means the web interface of the device can be read through what means the web inte	Show Jogin failures minutes to and downloaded from the device eached.
 Authentication Costs Advanced You also can set up further device administrators: Vorteless LAN Interfaces Configuration login lock Configuration login lock Configuration login lock Inv4 Inv6 Lock configuration for: IPv6 Lock configuration for: IPv6 Lock configuration for: Device access Firewal/QoS Configure over which channels configurations may be uploaded to and through what means the web interface of the device can be read through what means the web interface of the device can be r	
 Costs Advanced Wireless LAN Interfaces Date & Time Log & Trace Configuration login lock Communication IPv4 Lock configuration after: IPv6 Lock configuration for: IPv6 Lock configuration for: IP Router Routing protocols Firewal/QoS Configure over which channels configurations may be uploaded to and through what means the web interface of the device can be re COM Ports NetBIOS Public-Spot RADIUS SNMP Least-Cost-Router 	
 Wireless LAN Interfaces Date & Time Log & Trace Configuration login lock Communication IPv4 Lock configuration after: IPv6 Lock configuration for: Prof IPv6 Lock configuration for: Firewal/QoS Certificates Configure over which channels configurations may be uploaded to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to and through what means the web interface of the device can be read to an devic	
 Interfaces Date & Time Log & Trace Configuration login lock Communication IPv4 IPv6 Lock configuration after: IP Router Routing protocols Firewal/QoS Certificates Configure over which channels configurations may be uploaded to and through what means the web interface of the device can be re NetBIOS Public-Spot RADIUS Least-Cost-Router 	iogin failures minutes to and downloaded from the device eached.
Obtact a finite Image: Configuration login lock Communication Image: Diversion login lock	login failures minutes to and downloaded from the device eached.
Image: Communication Lock configuration after: 10 IPv4 Lock configuration after: 10 IPv6 Lock configuration for: 5 IP Router Device access Entreval/QoS Certificates Configure over which channels configurations may be uploaded to and through what means the web interface of the device can be reinterface of the device can be reinterface. NetBIOS Access settings Public-Spot SNMP Least-Cost-Router Configure over up to fee the new prior for the the new	login failures minutes to and downloaded from the device eached.
IPv4 Lock configuration after: I0 IPv6 IPv6 IPv6 Pototic protocols <td< td=""><td>to and downloaded from the device eached.</td></td<>	to and downloaded from the device eached.
IPv6 Lock configuration for: 5 IP Router Device access Frewal/QoS Configure over which channels configurations may be uploaded to and through what means the web interface of the device can be reader to and through what means the web interface of the device can be reader to another the sector of the device can be reader to another the sector of the device can be reader to another the sector of the device can be reader to another the sector of the device can be reader to another the sector of the device can be reader to another the sector of the device can be reader to another the sector of the device can be reader to another the sector of the device can be reader to another to ano	minutes to and downloaded from the device eached.
Routing protocols Firewal/QoS Certificates Configure over which channels configurations may be uploaded to and through what means the web interface of the device can be re NetBIOS Public-Spot RADIUS Least-Cost-Router	to and downloaded from the device eached.
 Firewall/QoS Certificates COM Ports NetBIOS Public-Spot RADIUS SNMP Least-Cost-Router Configure over which channels configurations may be uploaded to and through what means the web interface of the device can be ready to and through what means the web interface of the device can be ready to and through what means the web interface of the device can be ready to and through what means the web interface of the device can be ready to and through what means the web interface of the device can be ready to an advect to advect to an advect to advect to an advect to an advect to	to and downloaded from the device eached.
Certificates and through what means the web interface of the device can be ready of	eached.
Access settings Access settings Access settings Access settings Access settings	
Public-Spot RADIUS Least-Cost-Router	
RADIUS SNMP SNMP SNMP	
Least-Cost-Router	
Configure the access rights for all protocol versions of SiNVP here	e.
SNMD sottings	
Management protocols	
Here you can enter the management protocols port numbers.	
Ports	

Success! You can now configure the device according to your preferences.