

Base de conocimiento > Products > BAT > BAT, WLC (HiLCOS) > How to add a BAT or a WLC in LANconfig

How to add a BAT or a WLC in LANconfig

- 2018-02-21 - BAT, WLC (HiLCOS)

This lesson describes the different way to add a device into LANconfig.

This is a preliminary step before to be able to start a configuration using LANconfig

If you want to add a specific device (you know the IP or it's connected on a specific COM port)

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Hirschmann LANconfig Name	Comment Ad	dress Location	Device Status	Pro
ſ	View	•		
	Add Device	Ins		
	Find Devices	F3		
	Check Devices in this View	F5		
	Check all Devices for Firmware Updates in local Firm Cancel All Actions	ware Archive		
	New Group Configuration	Ctrl+G		
	Add Group Configuration	Curro		

Select:

File > Add device

or right clic in the main Window and select ""Add device"" (see screenshot)

New device dialog

lackup Network connection (TCP/IP) Senia pot Del-Up connection IP /Name: 10 (P) records IP /Name: 10 (P) records Communication protocols and pots: Immunication protocols and pots: IP /Name: 10 (P) records IP /Name: 10 (P) records Communication protocols and pots: Immunication protocols and pots: IP /Name: IP /Name: IP /Name:	General	Viteface	General	You know the COM port
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We wil see here 2 options.

Either you know the IP address. In this case select the option ""Network connection (TCP/IP). (to use this option you must be able to join the device per IP, try a ping before if not sure) Enter the IP address and password and select OK

Or your have a serial connection to the device. In this case select the option ""Serial Port"" Enter the COM port and password and select OK

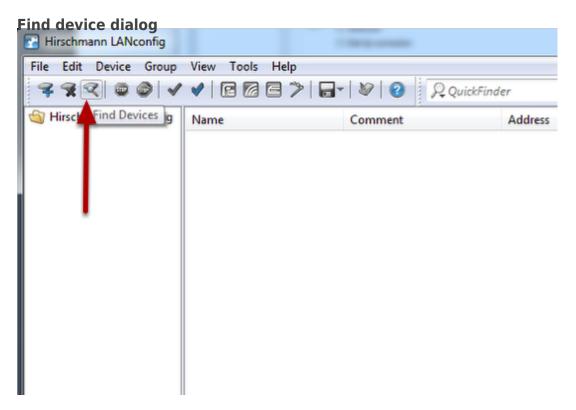
If you use a USB to serial converter, this option may not work (different behaviours observed with different converters)

If you want to perform a scan

× Select

File > Find Devices

or use the ""Find Device"" button (see screenshot)



\bigcirc	Search parameters:	
	Pick the interfaces to be used to scan for new devices and decide on addit parameters as necessary.	tional search
	Search on all serial ports	
	Network based search	
	Search the local network for 3 seconds	
	Search in a remote network for 3 seconds	
	IP address: 192.168.10.0 Netmask: 255.255	5.255.0 -
	Extend search to managed APs	

Here you have several options:

 Search on serial ports : With this option the device(s) connected to your serial ports will be scanned. It can be useful if you ignore the COM number of your serial connection.
 If you use a USB to serial converter, this option may not work (different behaviours observed with different converters)

- Search the local network : LANconfig will search devices connected to the local network (L2 network or broadcast domain).

If you have several network interface connected to several L2 networks. A scann will be performed in each of them.

This option is particulary interesting because LANconfig will detect any BAT or WLC present in the local network even if the device doesn't have any IP address or if the device has an IP address belonging to another IP range than your network interface.

This option is very often used to discover a device for the first time.

If a device with factory settings is discovered then at the next step, a Wizard will automatically be launched to give this device few basic settings (name, password, IP address). Refer to the lesson ""How to give aN open BAT or a WLC an IP address"" if you want to know more about that.

- Search in a remote network: LAN config will search device in a remote network (behind a router)

Devices in a remote network need to have an IP address and a gateway. You must be able to reach this remote network per IP.

Extend search to managed APs: Managed AP are devices which are supposed to be managed by a controller. That's why it's possible to exclude them from the scann.
BUT, take care that ""managed AP"" is also the factory setting of the Open BAT so don't forget to select it if you don't have any controller. You may miss them. > Search

Result of the scan

Name	Device Type	Address	Serial Number	MAC Address	Firmware Version
TCSGWC241	TCSGWC241	10.115.47.4	4009265210010001	008063a6ec47	8.01.3167
BAT-WLC_HLCOS_9	BAT-Controller WLC1000	10.115.45.118	4005690010001009	008063f753bd	9.00.5099
HLCOS-9-0-L2FW	BAT-R	10.115.45.122	94207099903050	ece55588fd5b	9.00.5070
BAT-R_HILCOS_9	BAT-R	10.115.45.119	94207099903040	ece5557b5c19	9.00.5099
V AP_141	BAT-R	192.168.1.141	94207099903050	ece5558e538c	9.00.5085
WLC_101	BAT-Controller WLC25	192.168.1.101	4000340010001070	008063f753af	9.00.5085
AP_140	BAT-R	192.168.1.140	94207099901010	ece55556ab84	9.00.5085
HLCOS-9.0-PRP	BAT-R	10.115.45.121	94207099903050	ece555913100	9.00.5099
BATJANBAT	BAT54-Rail Single + (FCC)	10.115.49.211	4009267220000100	008063f75299	8.80.0204
9 device(s) found. (9 ne	w one(s), 9 with complete sys	sinfo)			_

From the scann result. Unselect the devices you don't want to add in LANconfig and press "Add selected devices"

Your devices are ready to be configured

And	-		x
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	P\$ Quic	() HINSCH	MANN
Location		Device Status	Pre
141		Ok	
140		Ok	

If a device with no IP address was discovered and added in LANconfig then a Wizard will automatically start to give this device several basic settings (More details in lesson ""How to give an Open BAT or a WLC an IP address"")