SLANPRO

123 Manual, LP-1540ai High Powered 300 Mbps Access Point for the 2.4 GHz WiFi band for Outdoor service, PoE powered with Multiple Physical and Virtual interfaces that supports VLAN and has an EIRP of 27dBm (0.5W). Recovery of the LP-1540ai to its original AP+BRIDGE MODE + DHCP CLIENT default configuration.

LP1540ai_M123_ENC01W



123 Manual, LP-1540ai High Powered 300 Mbps Access Point for the 2.4 GHz WiFi band for Outdoor service, PoE powered with Multiple Physical and Virtual interfaces that supports VLAN and has an EIRP of 27dBm (0.5W). Recovery of the LP-1540ai to its original AP+BRIDGE MODE + DHCP CLIENT default configuration.

Please check the package contents which should contain:

- a.- One LP-1540ai Access Point
- b.- One AC/DC power converter with 110 V to 220VA input and 12 VDC output
- c.- One Patch Cord
- d.- One Documentation CD.
- e.- One passive PoE injector.

As shown in Figure 1.

Figure 1



Purpose of this 1 2 3 Manual:

In this 123 Manual we will explain how to perform the recovery of the **LP-1540ai** to its original AP+BRIDGE MODE + DHCP CLIENT default configuration. On this mode, the LP-1540ai radio would be supplying internet to the surrounding areas, just plug in ANY port of a given network. No need for special configurations. This is one of the most popular and versatile configurations available. Also, you can download the template for a faster configuration process.

For other options, please consult the available M123's in our site: at *www.lanpro.com*. Please proceed to physically connect the equipment as per the chosen configuration shown in **Figures 2.1, 2.2, 2.3 and 2.4**.





10 Please reset the unit, before the following steps:



Real life scenario.

Red cable to Ethernet port on the computer and to LAN PORT on the PoE injector, (red cable) and then from the PoE port on the injector to the POE port on the **LP-1540ai** radio. As you see, in the **Figure 6**, no power supply needed to power-up the unit.

PoE POWER SUPPLY CONNECTION MODE



Figure 6

CAUTION:

Please DO NOT use and external power adapter if you are using de POE injector.

11 Go to Windows Start	STEP 1. WINDOWS CONFIGURATION / Adm When box pops -up type: Network and Sharing, as shown in Figure 7.	inistrator privileges required. Then select option Control Panel as shown if Figure 8 and select Network and sharing Center.
	See more results network and sharing ×	Control Panel (3)
	Figure 7	Figure 8
12		

as shown in Figure 9.



13

In the Local area Connection Status window select Properties, as shown in Figures 10 and 11.

📱 Local Area Connection Status	📮 Local Area Connection Status
General	General
Connection IPv4 Connectivity: No network access IPv6 Connectivity: No network access Media State: Enabled Duration: 00:29:17 Speed: 100.0 Mbps	Local Area Connection Properties Networking Sharing Connect using:
Activity Sent Received	Configure This connection uses the following items: Configure This connection uses the following items: Configure Configure.
Packets: 1,844 0	Internet Protocol Version 4 (TCP/IPv4)
	Install Uninstall Properties Description Transmission Control Protocol/Internet Protocol. The default

Figure 10

Figure 11

14

In the Local Area Connection Status window, select the option **Internet Protocol version 4 (TCP/IPv4)** and then **Properties**, please be sure that everything is checked as show in **Figure 12** in which these are the options by default:

	Viternate Configuration				
fou can g this capat for the ap	et IP settings assigned auto ality. Otherwise, you need t apropriate IP settings.	matically if to ask your	your n netwo	etwork s rk admin	supports istrator
@ Qbt	ain an IP address automatica	sly			
⊖ Uge	the following IP address:				
IP add	ress:	•	•	•	
Subnet	: mask::				
Defaul	t gateway:			•	
Obt	ain DNS server address auto	matically			
Use	the following DNS server ad	dresses:			
Prefer	red DNS server:				
Alterna	ate DNS server:	•	•	•	1
🗌 Va)	date settings upon exit			Ady	anced
		ſ	OK		Cancel

		-

Please select option **Use the following IP address:** and use these parameters shown in **Figure 13** and hit **OK**.

Internet Protocol Version 4 (TCP/IPv4)	Properties 2
General	
You can get IP settings assigned auto this capability. Otherwise, you need to for the appropriate IP settings.	matically if your network supports o ask your network administrator
Obtain an IP address automatical	ly
Output Use the following IP address:	
IP address:	192.168.1.99
Sybnet mask:	255.255.255.0
Default gateway:	192.168.1.1
Obtain DNS server address autor	matically
Use the following DNS server add	iresses:
Preferred DNS server:	
Alternate DNS server:	· · ·
Validate settings upon exit	Advanced
	OK Cancel
	Figure 13

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You will be able to manage your LANPRO LP-1540ai by opening your preferred browser in this address: http://192.168.1.1, as shown in Figure 14, and using these credentials: Username: admin, Password: admin and selecting Login.

1 H 1 B 2 B 1 F	
(-) (-) (-) http://192.168.1.1/cgi-bin/luci	タ・C ③ LanProLP-1540ai × 命 会 総
SLANPRO	LP-1540ai High Output, Multipurpose indoor/outdoor SGN Radio
Authorization Required	
Please enter your username and password.	
Username	B admin
Pasaword	2
	Gieset Diasia

The main LanPro LP-1540ai configuration page will pop-up as shown in Figure 15.

	60	http://192168.1.1/cgi-bin/luci	P - C S LanProLP-1540ai - Overview ×
	SLANP	RO Status Network System Logout	LP-1540ai High Output, Hultipurpose indoor/outdoor BGN Radio
	Overview	Status	
	Firevali	System	
	Routes	Router Name	LanPesUP-1540ei
	System Log	Firmuare Version	LP15404 1.01
	Kernel Log	Uptime	Tue Nay 12 07:33:44 2015 Dh 46m 56a
Figure 15	Deshboard	Lood Average	
rigule 15		Memory Total Available	and of a the states
		Free	40222 M / A1795 M (1996)
		Cached	7004-k8 / 61776 k8 (11%)
		Buffered	204 vit / sime vit (20)
		Network	
		IPv4 WAN Status	A Not connected
		Active Connections	272 / 14234 (1%)

18 STEP 2. How to use the LP-1540ai as an Access Point.

Please follow the next procedure:

the page shown in Figure 16 ,	SLANPRO In Trent In	LP-1540ai	door BCN Radio
select the option Network.	Overview Status		and a set of the set
	Forwall System Routes Router Name	Landra (JA-1540a)	
	System Log Forter Model System Log Local Time	U 1940a U 1940a Tue May 12 0744-40 2015	
	Kernel Log Dishboard	0 N 12 H 12 0 83, 0 33, 0 15	
Figure 16	Total Available Free	andra of a 1979 of a 1979 of distri	
	Cashed Buffered	1996a val / 4199a val (1984) 22440 val / 4199a val (2014)	
	Network IRv4 WaN Status	Ā	
	Active Connections	T AND SUPPORT	
19			
Then select the option	SLANPRO Status Metwork System Lagout	LP-1540ai Wigh Doctort,uitigurgess Indeer fourdeer 86H Radio	
shown in Figure 17.	Operational Mode Operational Mode Other operational modes to uses for setting up the device e	andy.	
-	VLN	Main behave her Barriell Conservation	
Figure 17	DHCP and DK. LAST Notivernes	tenger in mis-moet, som vir an mis-tolens an apported.	
	Statis Routes O WAN Catarray: Permati	Anna Walit ar Walit gang	
	Dependen Gel	0	Oter Starting
20			
		I P-1540ai	
Now go to Interfaces and click on Edit , as shown in	SLANPRO Status Netv	work System LogouHigh Output, Multipurpose indoor/outdoor BGN Radio	
Figure 18.	Operational Mode		
	Interfaces Interfaces		
	VLAN	iew	
Figure 18	DHCP and DNS LAN LAN LAN Hostnames Static Routes Firewall	ork Status Actions Uptime: 0h 1m 27s MAC-Address: 00:27:11:02:61:3A (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	Edit



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Now you can sele and Channel Transm Power according to yo requirements. In window shown in Figure 22, go a rename the ESSID, sele an encryption method a create a key if it is require Note: KEY created usin the template= 123456789 then go and Save & Apply

General Setup Wireless Security M	AC-Filter
ESSID	pov/fB01
Mode	Access Point (WDS)
Network.	🗹 lan: 🕎 🖉 🧐
	create:
	Oncose the network(s) you want to attach to this wireless interface or fill out the create fit define a new network.
Hide ESSID	
WMM Mode	V
General Setup Advanced Settings Status	Mode: Master SSID: xwifi01 SSID: 00:27:11:02:61:38 Encryption: None Channel: 1 (2.412 GHz) Tx-Power: 27 dBm
General Setup Advanced Settings Status	Mode: Master SSID: xwifi01 BSSID: 00:27:11:02:61:38 Encryption: None Channel: 1 (2.412 GHz) Tx-Power: 27 dBm % Signal: 0 dBm Noise: -95 dBm Bitrate: 0.0 Mbit/s Country: US
General Setup Advanced Settings Status Wireless network is enabled	Mode: Master SSID: xwift01 BSSID: 00:27:11:02:61:38 Encryption: None Channel: 1 (2.412 GHz) Tx-Power: 27 dBm Signal: 0 dBm Noise: -95 dBm Bitrate: 0.0 Mbit/s Country: US Disable
General Setup Advanced Settings Status Wireless network is enabled Channel	Mode: Master SSID: xwifi01 BSSID: 00:27:11:02:61:38 Encryption: None Channel: 1 (2.412 GHz) Tx-Power: 27 dBm Signal: 0 dBm Noise: -55 dBm Bitrate: 0.0 Mbit/s Country: US Disable 5 (2.432 GHz)
General Setup Advanced Settings Status Wireless network is enabled Channel Transmit Power	Mode: Master SSID: xwift01 BSSID: 00:27:11:02:61:38 Encryption: None Channel: 1 (2.412 GHz) Tx-Power: 27 dBm Signal: 0 dBm Noise: -95 dBm Bitrate: 0.0 Mbit/s Country: US Disable 5 (2.432 GHz) 27 dBm (501 mW)
General Setup Advanced Settings Status Wireless network is enabled Channet Transmit Power	Mode: Master SSID: xwifi01 BSSID: 00:27:11:02:61:38 Encryption: None Channel: 1 (2.412 GHz) Tx-Power: 27 dBm Signal: 0 dBm Noise: -55 dBm Bitrate: 0.0 Mbit/s Country: US Disable 5 (2.432 GHz) 27 dBm (501 mW) 3 dBm
General Setup Advanced Settings Status Wireless network is enabled Channel Transmit Power Interface Configuration	Mode: Master SSID: xwift01 BSSID: 00:27:11:02:61:38 Encryption: None Signal: 0 dBm Noise: -55 dBm Bitrate: 0.0 Mbit/s Country: US Disable 5 (2.432 GHz) 27 dBm (501 mW) 38 dBm
General Setup Advanced Settings Status Wireless network is enabled Channel Transmit Power Interface Configuration General Setup Wireless Security M	Mode: Master SSID: xwift01 BSSID: 00:27:11:02:61:38 Encryption: None Signal: 0 dBm Noise: -55 dBm Bitrate: 0.0 Mbit/s Country: US (Disable 5 (2.432 GHz) 27 dBm (501 mW) (dBm
General Setup Advanced Settings Status Wireless network is enabled Channet Transmit Power Interface Configuration General Setup Wireless Security M Encryption	Mode: Master SSID: xwifi01 BSSID: 00:27:11:02:61:38 Encryption: None Channel: 1 (2.412 GHz) Tx-Power: 27 dBm Signal: 0 dBm Noise: -55 dBm Bitrate: 0.0 Mbit/s Country: US © Disable 5 (2.432 GHz) 27 dBm (501 mW) © dBm AC-Filter WPA-PSK/WPA2-PSK Mixed Mode
General Setup Advanced Settings Status Wireless network is enabled Channel Transmit Power Interface Configuration General Setup Wireless Security Encryption Cipher	AC-Filter Mode: Waster SSID: xwift01 SSID: 00:27:11:02:61:38 Encryption: None Signal: 0 dBm Noise: -55 dBm Bitrate: 0.0 Mbit/s Country: US Signal: 0 dBm Sizable S (2.432 GHz) 27 dBm (501 mW) C dBm AC-Filter MPA-PSK/WPA2-PSK Mixed Mode auto

LanPro is continuously improving its products and reserves the right to change specifications and availability without prior notice.