123 Manual for the Installation of the LP-1520ai as a Universal Repeater.

LP1520ai_M123_ENG01W



123 Manual for the Installation of the LP-1520ai as a Universal Repeater.



Dear user, please consider the following data in this installation procedure:

- Name of the Network whose signal you wish to repeat.
- 2 Channel of the Network whose signal you wish to repeat.
- 3 Key and Cyphering mode of the Network whose signal you wish to repeat.
 - Cyphering mode shall be: WEP, WPA(TKIP) o WPA2(AES).
- Please take in mind if you have MAC or IP access control in the router or AP you wish to repeat the signal from.

In this configuration, the LP-1520ai will be a client of the network you wish to repeat and an additional Access point of the selected wireless network.

1

Please go to your network card's properties and select: **Internet Protocol**, select: **Properties**, as shown in figure 1.

Intel(R) PR0/1000	MT Mobile Conn	e Cont	igure
is connection uses the	following items:		
" "NWLink NetBIO	s		
WUrk IPX/SP	WNetBIDS Comp	atible Transpo	at Piot
🖉 🐨 Internet Photocol	(TCP/IP)		
· · ·			~
		_	
Instal.	Descal	Prop	erties
Description			
Transmission Control P	totocol/Internet P	tolocol The d	fault
wide area network prof	locol that provide	communication	on
across diverse intercon	nected networks	11 11	
Chau isan in natilizati		helper	
Notify many han this or	on alea when Col	mecteu Maria es com	-
a trade manager and the second states at the second	preservators mas ene	ed of no core	econy

Figure 1

3

2

Once the properties window pops-up, as shown in figure 2, please select: Use the following IP address and input an IP address inside the default IP range of the LP-1520ai. In this example we have selected the IP address: 192.168.1.201. The LP-1520ai has a default address of 192.168.1.254, input in: Subnet mask 255.255.255.0 , in: Default Gateway the destination router address, in the DNS please input your ISP's DNS address or the destination router address that provides the Internet service, this is permits the corresponding queries reach the destination network's router.

Local Area Connection Properties	Internet Protocol (TCP/IP) Properties
General Advanced	General
Convect using Bit Intel(R) PRID/1000 MT Mobile Conve	You can get IP settings assigned eutomatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
This connection uses the following items:	O Obtain an IP address automatically
V*NvLisk NetBIOS	Use the following IP address:
WWLink IPX/SPX/NetBIOS Compatible Transport WWLink IPX/SPX/NetBIOS Compatible Transport WWLink IPX/SPX/NetBIOS Compatible Transport WWLink IPX/SPX/NetBIOS Compatible Transport	IP address: 192 . 168 . 1 . 201
C + menter (roboca (robbet)	Subret mask: 255 . 255 . 0
· Ind I lead I for	Delex# galeway: 192 . 168 . 1 . 1
Description	Theory (Will server address accuracy)
Transmission Control Photocol/Internet Photocol. The d	Use the following DNS server addresses:
across diverse interconvected networks.	Preferred DNS server: 192 . 168 . 1 . 1
Show icon in notification area when connected Notify me when this connection has limited or no core	Abernate DNS server
	Advanced
1.04	OK. Cancel

Figure 2

Once finished, select: **Ok** and then: **Close**.

Proceed to connect to the LP-1520ai.

Open your preferred browser and input the default address 192.168.1.254, as shown in figure 3.



Figure 3



5

Select option: **TCP/IP Settings, LAN Interface** and in the DHCP field select: **Disabled**. Then select: **Apply changes**, as shown in figure 4. (Remember to verify that the LP-1520ai's IP address is not being used in the network to which you will connect to, we recommend to use an IP address inside the destination network so it can be managed).

SLANPRO		LP-1520ai High Power AP.	WWWEAN PRODUCTLCOM
Site contents Setup Wizard Operation Mode Wireless Basic Settings Advanced Settings	LAN Interface This page is used to coeffic LAN port of your Access I mask, DHCP, etc.	e Setup nare the parameters for local area network which connects to the Joint. Here you may change the setting for IP addresss, subnet	
Security Access Control WDS settings Site Survey WPS LAN Interface WAN Interface WAN Interface Management	IP Address: Subnet Mask: Default Gateway: DHCP: DHCP Client Range: Demain Name: S02.1d Spanning Tree: Close MAC Address: Apply Changes	192 168 1 254 255 255 255 0 0.0.0 255 255 255 0 0.0.0 255 255 255 0 0.0.0 255 255 255 0 0.0.0 255 255 255 0 0.0.0 0 255 255 255 0 0.0.0 0 255 255 255 0 0.0.0 0 255 255 255 0 0 0.0.0 0 255 255 255 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

Figure 4

In figure 5, select: **Operation Mode**, select also: **Bridge**, then select: **Apply Changes**, wait for the equipment to reboot.



Figure 5



As shown in figure 6, select: **Wireless, Basic Settings**, in: **Mode** select: **AP**. The SSID will be different to the one of the network you will connect to because this will be a new Access point. In: **Channel Number**, select the same channel of the network you will repeat the signal from, select option: **Enable Universal Repeater Mode**, input in: **SSID of external Interface** the name of the SSID of the network you will repeat the signal from and then select: **Apply Changes**, once done, the equipment will reboot.

SLANPRO	LP-1	520ai High Power AP.	WWW.LAN PRODUCTS.CO
Site contents:	Wireless Basic Settings		
Setup Wuzard Operation Mode Basic Settings Advanced Settings	This page is used to configure the parameter your Access Point. Here you may change wi network parameters.	s for wireless LAN clients which may connect to reless encryption settings as well as wireless	
Security Access Control	Disable Wireless LAN Interface		
WDS settings	Band: 2.4 GHz (B+G)	8	
Ste Survey WPS	Mode: AP 👻		
TCP/IP Settings	Network Type:		
Management	SSID: LP-1520ai		
	Channel Number: 1		
	Associated Clients: Show Active	Clients	
	Inable Mac Clone (Single Etherner C	liest)	
	🔄 Enable Universal Repeater Mode (Act	ing as AP and client simultaneouly)	
	SSID of Extended Interface: UP-1522		
	Apply Changes Reset		
	Fiaur	e 6	

You will now configure the wireless network security in case the destination router has it enabled. Always remember then in this configuration, the LP-1520ai behaves as a client of the destination router. Please configure its security as if it were another client of this network. Please take in mind that the security mode WPA2 is not supported in Client Mode. This same encryption will be used by the clients that connect to this new Access point.

Select: **Wireless, Security**, in mode: **Encryption**, use the corresponding one and input the key.

Then select: **Apply changes**, as shown in figure 7.

SLANPRO		LP-1520ai High Power AP.	WWWLAN-PRODUCTS.COM
Site contents Setup Wizard Operation Mode Basic Settings Advanced Settings Security Access Control WDS settings Site Survey WDS settings Site Survey WDS TCP/IP Settings TCP/IP Settings Management	Wireless Security This page allows you setup the wir could prevent any unauthorized ac	Setup reless security. Turn on WEP or WPA by using Encryption Keys cess to your waveless network.	-
	Encryption: WPA Use 802.1x Authentication WPA Authentication Mode: WPA Cipher Suite: WPA2 Cipher Suite: Pre-Shared Key Format:	BetWEP Key WEP 64bits Enterprise (RADIUS) @ Personal (Pre-Shared Key) TKIP [] AES TKIP [] AES Passphrase	
	Pre-Shared Key: Enable Pre-Authentication		
	Authentication RADIUS Server:	Port 1812 IP address Password	
	Note: When encryption WEP is se	lected you must set WEP key value.	
	Apply Changes Res	et	

Figure 7

	8			
Select: OK as show	n in figure 8.			
	SLANPRO	LP-1520ai High Power AP.	WWW.LAN PRODUCTS.COM	
	Site contents: Setup Wizard Operation Mode	Change setting successfully:		
		Figure 8		

The equipment will reboot now.

Once the configuration has been done, the LP-1520ai will automatically connect even though you disconnect it and connect it again.

9	

Highly Recommended:

As shown in figure 9, proceed to change the Administration Password of your equipment. In order to do this action, select: **Management**, then: **Password**. Input the user name: **admin**, the input the new password in: **New Password** and in: **Confirmed Password**, select then: **Apply changes**. In order to be able to access the equipment again, you will have to input the new data when asked by the equipment.

SLANPRO		WWWLAN PRODUCTS.COM	
Site contents: Setup Wizard Operation Mode Winnen TCP/IP Settings	Password Set	up re account to access the web server of Access Point. Empty user sable the protection.	
Firewall Management Status Status DONS DONS Setting	User Namer New Password: Confirmed Password:	admin ••••••	
Denial of Sense Log Upgrade Firmware Save/Reload Setting Password	Apply Changes	Reset	

Figure 9