LP1540ai_UG_ENB01W





LP-1540ai

User Guide. Initial configuration

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LP-1540ai

The **LP-1540ai** is a powerful Access Point with a 27dBi EIRP and 300Mbps of data air rate on the 2.4 GHz band, it is PoE powered and boasts multiple physical and virtual interfaces and VLAN support. The **LP-1540ai** is designed for outdoor service.

	Main Features	
EIRP power of 27dBm±1.5dBm	Provides multiple SSIDs.	The firmware includes (Load, Traffic, Wireless and physical Connections), with monitoring panel.
Complies with IEEE802.11 b, g and n standards.	Web based configuration and Support.	Performs Execution of Programmed tasks.
Supports high data transfer rates on the air of up to 300 Mbps, When in IEEE802.11n mode with two air streams.	Supports advanced Firewall for physical and logical interfaces (Global and Individual).	Supports automatic adjustment of air data transfer rate.
Good reception sensitivity with a peak of 67dBm±1.5dBm at 300 Mbps and a EIRP power of (500mW) for ample WiFi coverage.	Firmware update via web browser.	Loader of Updates is Supported.
Supports creation of multiple logical interfaces.	Basic diagnostics support embedded in the firmware.	Supports automatic air rate speed.
Provides MAC Access Control.	Provides 10/100 Mbps Ethernet support and automatic MDI/MDIX.	Supports MAC address filtering; wireless security on-off; 64/128/152bit WEP encryption and PA-PSK/ WPA2- PSK WPA/WPA2, with of reinforcement of security mechanisms for Data Transmission.
Advanced Routing adjustment support.	Advanced DHCP, DNS characteristics, Firewalls and NAT.	A DHCP Server has been included.

WMM Support, better voice flow in videos.	Supports Span-Tree Protocol 802.3d	Supports QoS, used for better quality of service delivery.
Support of VLAN for some interfaces.	Support of LAN Host names table.	

The **LP-1540ai**, is a product that has features not found in similar equipment in the same category. The **LP-1540ai** permits a granular configuration of functionalities based on your needs.

In this fast installation guide you will find how to modify the base configuration loaded in the equipment (Router Mode) in which with few adjustments will convert in your Internet Access Router.

Additionally, a description of how to load the different pre-configured templates. For details on the templates, you must refer to each independently made document.

If you require advanced functions, please review the User Manual (**LP1540ai_UM_ENB01W**) in which a detailed description of all the configurations is explained; please take in mind that this document purpose is that you can set-the equipment up rapidly.

Th	is process has been divided into four sections as follows:
1.	How to install the LP-1540ai.
2.	Accesing the LP-1540ai.
3.	Modifying the Router Mode Template values.
4.	How to add additional templates for pre-configuration.

Then each of the sections is as follows:

1. LP-1540ai installation

Proceed to check that the package contains the following components:

- ▶ 1 LP-1540ai radio.
- ▶ 1 Ethernet CAT 5e PatchCord
- ▶ 1 PoE injector.
- 1 Power cable for the PoE injector.
- 1 Documentation CD.
- 1 AC/DC Power Converter.



Figure 1.

Please proceed to make a layout plan for the equipment installation.

- **1.1** Please define the equipment application (AP, Router, PtP, Etc.)
 - The WAN port won't be used in the AP or PtP configurations, only as an auxiliary port in this configuration (Please refer to the user manual LP1540ai_UM_ENB01W). Please note that in this manual, the Router mode will be used as a reference.
- **1.2** Please define if the equipment's power will be through the PoE input or through the DC Input connector.
 - An AC power outlet will be needed if you plan to power up the LP-1540ai through the DC Power input connector, please take precautions for protecting this connection from weather if it is going to be outdoors.

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- In regard with data wiring, in this type of powering connection, a data cable must be installed between the LP-1540ai and the corresponding data outlets. In this document in Router mode, both (LAN y WAN) ports must be connected to the corresponding points:
 - From the LP-1540ai LAN port to the internal LAN Switch or the PC's Ethernet port, or to the serviced equipment.
 - From the WAN port of thel LP-1540ai to the Switch or ADSL providing the internet connection.





- If you plan to power your LP-1540ai up with the non-standard PoE injector, please take in mind any distance limitation imposed by losses in the cabling used. A rule of thumb when not sure enough is to limit the distance to 80m, this supposes the use of good wiring standards of workmanship and the following of the local standards.
- In regard with data wiring, in this type of powering connection, a data cable must be installed between the LP-1540ai and the corresponding data outlets. In this document in Router mode, both (LAN y WAN) ports must be connected to the corresponding points.

- From the LAN port of the LP-1540ai to the PoE Injector's PoE port.
- From the LAN port of the PoE injector to the switch in the internal LAN or to the Ethernet port of the PC or equipment to which the service will be delivered.
- WAN port of the LP-1540ai to the Swiche or DSL Internet service provides



IMPORTANT WARNING:

This equipment cannot be powered via the two methods at the same time.

- **1.3** Mounting the equipment on the selected location
 - Outdoors:
 - Place the equipment with the connectors are located in the lower part of the equipment so there is no water return that could damage the equipment.
 - It must be fixed to a mast or to a wall, depending on your needs.
 - Use the connectors to be used in outdoors.
 - Indoors:
 - It must be fixed to a mast or to a wall, depending on your needs.

For both mounting methods, please take in mind the RF coverage as per your needs, depending on the integrated antenna aperture.

IMPORTANT NOTE:

Once the cabling is setup and certified the equipment can be connected.

2. Access to the equipment

The **LP-1540ai** supports its configuration via Web Browser or SSH, it is recommended to use Google Chrome. The default **IP address is: 192.168.1.1, user: admin, password: admin**. Please refer to the User Manual for administration and configuration via SSH.

• When accessing the equipment for the first time, you must be in the corresponding network segment. Please configure your network card as follows:



- Go to Properties of your Network Card as shown in Figure 5.

 Please select the TCP/IP protocol, and select again Properties, as show in Figure 6.

Intel(R) 825671	.M Gigabit Network Co	Configure
his connection uses	the following items:	
Sealtek EAF Sealtek EAF Sealtek EAF Sealtek EAF Sealtek EAF Sealtek EAF Sealtek EAF	Pkt Protocol col (IEEE 802.1x) v3.7.5 ocol (ICP/IP)	
Install	Uninstall	Properties
Description Transmission Cont wide area network across diverse inte	ol Protocol/Internet Prot protocol that provides or rconnected networks.	ocol. The default ommunication
(Changing 1	ication area when conne	rcted

Figure 6.

• Input an IP Address in your Network Card in the same segment of the LP-1540ai, the default IP address of the LP-1540ai is 192.168.1.1, because of this we will 192.168.1.2 in our Network Card, remember taking care of not duplicating IP addresses in the data network, and proceed to select **OK** twice, **Figure 7**.

Connect using:	Internet Protocol (TCP/IP) Pro	operties
Intel(R) 82567LM Gigabit Ne This connection uses the following ♥ SF Realtek EAPPK Protocol ♥ SF Realtek EAPPK Protocol ♥ SF Internet Protocol (IEEE 802 ♥ SF Internet Protocol (IECP/IP) ↓ Install. Description Transmission Control Protocol/In wide area network protocol that jacross diverse interconnected ne ♥ Show icon in notification area w ♥ Show icon in notification area w	General You can get IP settings assigner this capability. Otherwise, you in the appropriate IP settings. C Obtain an IP address auto C Use the following IP addre IP address: Submet mask: Default gateway: C Obtain DNS server addres Preferred DNS server: Alternate DNS server:	d automatically if your network supports eed to ask your network administrator for matically
Figure 7.		Advanced

• Proceed to open the Browser of your choice and input the LP-1540ai IP address: 192.168.1.1, Figure 8.

🖉 Blank Page	- Windows Internet Explorer	
00-	2 192.168.1.1	
File Edit Vi	ew Favorites Tools Help	
😭 Favorites	@ Blank Page	

- Figure 8.
- The LP-1540ai will prompt your credentials for accessing your configuration, they are by default: Username: admin and Password: admin, Figure 9.

SLANPRO	LP-1540ai High Output, Multipurpose indoor/outdoo	or BGN Radio
Authorization Re	quired	
Please enter your username	and password.	
Username	amin	
Password	e #•••	
		Reset Login

3. Router Mode pre-loaded template values modification

The template used for Router mode pre-configuration contemplates the following:

- Physical LAN port IP address is: IP 192.168.1.1
- The physical LAN port is DHCP Client and takes its IP address from a ADSL or Internet service with DHCP.
- Wireless adaptor channel is 1.
- The wireless network name is: LanPro LP-1540ai in AP Mode.
- The wired or wireless Access has the DCHP service active and delivers addresses from the 192.168.1.100 to the 150 with a valid time of 12 hours.
- The LAN, WLAN and Vlan (lan) interfaces are in Bridge Mode.
- The encryption mode is WPA2 PSK (CCMP).
- The default password for the wireless connection is: 1234567890

	Router mode data tabl	e				
Data table	Description	Other data				
Template's description.	emplate's description. Router Mode, ideal for connecting a Router and service distribution to wired or wireless clients.					
WAN Port	DHCP Client					
LAN Port	192.168.1.1	255.255.255.0				
User	admin					
Password	admin					
WLAN	LanPro LP-1540ai					
Channel	1					
Power	27 dBm	501 mW				
DHCP WLAN	192.168.1.100 - 150					
Mode	Router	Lease time 12H				
LAN - WLAN	Bridged					
Country	USA					
Encriptation	WPA2 PSK					
Password	1234567890					

		Input	Output	Forward
Firewall Rules	LAN	Accept	Accept	Reject
	WAN	Reject	Accept	Reject

The described values will let you connect the equipment and use it as a Router immediately. If you wish to make changes this list are the more common.

- a. Wireless channel change.
- **b.** LAN port IP address.
- c. Wireless Access Password change.
- **d.** Equipment Administration and Configuration Access Password change.

Proceed as follows once section 2 (Access to the equipment) of this manual has been performed.

a. Change the wireless channel.

a.1. Select Network, Figure 10.



Figure 10.

a.2. Select Wifi, as shown in Figure 11.

SLANPRO	Status	Network	System	Logout	LP-1540ai High Output, Multipurpos	e indoor/outdo	or BGN Radio				
	radio0: M	aster *LanPro L	P-1540ai*								
Interfaces	Wireles	s Overviev									
VLAN		Generic MAC	80211 802.	11bgn (radio0) ite: ? Mbit/s				0	Scan	1	Add
LAN Hostnames		M SSID: LanP	ro LP-1540ai C:0E:00:10:50	Mode: Master Encryption: WF	PAZ PSK (CCMP)		Disable		Edit	×	Remove
Static Routes	Associat	ed Station	ns								
Diagnostics											
	1	SSID	MAC-Add	dress	IPv4-Address	Signal	Noise	RX Rat	e	т	X Rate
					No informatio	n available					



a.3. Select option Edit in the WiFi virtual device, Figure 12.

SLANPRO	Status	Network	System	Logout	LP-1540ai High Output, Multipurpor	se indoor/outdo	oor BGN Radio				
Operational Mode	radio0: M	laster "LanPro Li	P-1540ai*								
Interfaces	Wireles	Overview	,								
Wifi	The cics.	, orer mer									
VLAN	(((7)))	Generic MAC	80211 802.	11bgn (radio0)				100	6	40	
DHCP and DNS	1	Channel: 1 (2.4)	12 GHz) Bitra	te: ? Mbit/s				ها	scan		Add
LAN Hostnames		os BSSID: 00:0	to LP-1540ai /	Mode: Master Encryption: Wi	PA2 PSK (CCMP)		Disable	8	Edit	×	Remove
Static Routes											
Firewall	Associat	ted Station	ns								
Diagnostic s											
QoS	1	SSID	MAC-Add	iress	IPv4-Address	Signal	Noise	RX	Rate	Ţ	X Rate
					No informatio	n available					



a.4. Proceed to select the desired channel, Figure 13.

SLANPRO	Status Network System Logout	LP-1540ai High Output, Multipurpose indoor/outdoor BGN Radio
	radio0: Master "LanPro LP-1540ai"	
Interfaces	Wireless Network: Master "LanPro	LP-1540ai" (wlan0)
wiń		
	The Device Configuration section covers physical setti wireless networks (if the radio hardware is multi-SSID	ings of the radio hardware such as channel, transmit power or antenna selection which is shared among all defined capable). Per network settings like encryption or operation mode are grouped in the interface Configuration.
DHCP and DNS	Device Configuration	auto
LAN Hostnames	General Setup Advanced Settings	1 (2 412 GHz) 2 (2 417 GHz) 3 (2 422 GHz)
Static Routes	Status	4 (2.427 GHz)
		5 (2.432 GHz) 6 (2.437 GHz)
Diagnostics		7 (2.442 GHz) 8 (2.447 GHz)
QoS		9 (2.452 GHz) 10 (2.457 GHz)
	Wireless network is enabled	11 (2.462 GHz)
	Channel	- custom
		1(2.412 0H2)
	Transmit Power	27 dBm (501 mW)
		G dbm

Figure 13.

a.5. Proceed to select option Save and Apply as shown in Figure 14.

ESSID	LanPro LP-1540ai
Mode	Access Point
Network	Iman: 2019 20 00 Iman: 2019 Iman: 2019
Hide ESSID	
WMM Mode	



a.6. Wait for the equipment to re-initialize, Figure 15.

Figure 15.

b. LAN Port IP Address change. b.1. Select Network, Figure 16.



Figure 16.

b.2. Select Interfaces, Figure 17.

WWAN LAN Ces Overview Network WWAN	Status								
Ces 9 Overview Network WWAN	Status								
7 Overview Network WWAN	Status								
Network	Status								
WWAN						ctions			
	All a developed a second second second second second								
wwah	Scan	22 F	Reconnect	0	Stop	4	Edit	×	Delete
LAN	Uptime: 0h 59m 7s MAC Address: 00:00:00:00:00:00:00								
都 (聖言愛) br-lan	RX: 641.06 KB (4180 Pkts.) TX: 1.48 MB (4104 Pkts.) IPv4: 192.168.1.1/24	2 F	Reconnect	0	Stop		Edit	×	Delete
WAN	Uptime: Oh Om Os								
eth0.2	MAC-Address: 00:0C:0E:00:10:5C RX: 0.00 B (0 Pkts.) TX: 463.35 KB (1179 Pkts.)	12 F	Reconnect	0	Stop	4	Edit	×	Delete
	WAN	WAN Uptime: 00 m 00: 100 m 00; WAN Uptime: 00 m 00; WAN Uptime: 00; WAN <td< td=""><td>Street Street Stree Stree Stree</td></td<> <td>(1) (1)<td>B Control (Control (Contro) (Contro) (Control (Contro) (Control (Control (Contro) (Contro</td><td>B Control Contrel Contrel Control Control Contrel Control Control Control Cont</td><td>British PAR.A. Address: 000 Ct 100 Vt 15C C</td><td>Britishing Britishing British</td><td>With an arrow of the second second</td></td>	Street Stree Stree Stree	(1) (1) <td>B Control (Control (Contro) (Contro) (Control (Contro) (Control (Control (Contro) (Contro</td> <td>B Control Contrel Contrel Control Control Contrel Control Control Control Cont</td> <td>British PAR.A. Address: 000 Ct 100 Vt 15C C</td> <td>Britishing Britishing British</td> <td>With an arrow of the second second</td>	B Control (Control (Contro) (Contro) (Control (Contro) (Control (Control (Contro) (Contro	B Control Contrel Contrel Control Control Contrel Control Control Control Cont	British PAR.A. Address: 000 Ct 100 Vt 15C C	Britishing British	With an arrow of the second

Figure 17.

b.3. Select option Edit in the LAN Interfaces, Figure 18.

SLANPRO	Status Network Sy	stem Logout High Output, Mu	ultipurpose indoor/outdoor BGN Radio	
	WAN WWAN LAN			
Interfaces	Interfacer			
wifi	Interface Overview			
	Network	Status	Actions	
DHCP and DNS	WWAN			
LAN Hostnames	al and a second	No wireless connection associated Scan	🗊 Reconnect 🕲 Stop 🗷 Edit 😸] Delete
Static Routes	10.0	Uptime: 0h 59m 7s		
	LAN	MAC-Address: 00:00:00:10:50	6 mm 8 m	Durlaha G
Diagnostics	br-lan	TX: 1.48 MB (4104 Pkts.) IPv4: 192.168.1.1/24	ey Reconnect gy Stop (6) cort	j Deverce
QoS	WAN	Uptime: 0h 0m 0s		
	25. eth0.2	MAC-Address: 00:0C:0E:00:10:5C RX: 0.00 B (0 Pkts.) TX: 463.35 KB (1179 Pkts.)	🖉 Reconnect 🚳 Stop 🗾 Edit 🛚	Delete
	Add new interface	- and a second consideral (

Figure 18.

b.4. Proceed to change the IP address to the desired one in the corresponding box (as shown **Figure 19**), please remember that this change affects the DHCP service's delivery of addresses because it automatically switchs to the same segment and access the equipment under the new IP address. For this to happen you must adjust it as shown in section 2 (**Access to the equipment**) mentioned before.

SLANPRO	Status Network System Logo	LP-1540ai High Output,Multipurpose indoor/outdoor BGN Radio
Operational Mode	WAN WWAN LAN	
Interfaces	Interfaces - I AN	
win		
VLAN	On this page you can configure the network interf interfaces separated by spaces. You can also use \	aces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network /LAN notation INTERFACE.VLANNR (e.g.: eth0.1).
DHCP and DNS	Common Configuration	
LAN Hostnames	General Setup Advanced Settings Physi	cal Settings Firewall Settings
Static Routes	Status	
Firewall		MAC-Address: 00:0C:0E:00:10:5C
Diagnostics		Br 4an TX: 1.63 MB (4567 Pkts.)
QoS		IPv4: 192.168.1.1/24
	Protocol	Static address
날았는 것을 많이 한다.	IPv4 address	192.168.100.1
	IPv4 netmask	255 255 255 0
	IPv4 gateway	
	IPv4 broadcast	

Figure 19.

b.5. Proceed to select option Save and Apply, Figure 20.

IPv4 broadcast	
Use custom DNS servers	[] ä
HCP Server	
General Setup Advanced Settings	
Ignore interface	Disable DHCP for this interface.
Ignore interface Start	Ø Disable DHCP for this interface. 100 Ø Lowest leased address as offset from the network address.
Ignore interface Start Limit	O bisable DHCP for this interface. 100 O Lowest leased address as offset from the network address. 150 Maximum number of leased addresses.

Figure 20.

b.6. Please wait for the application of changes, (Figure 21).

SLANPRO	Status Network System Log	out High Output, Multipurpose indoor/outdoor BGN Radio
	WAN WWAN LAN	
Interfaces	Interfaces - LAN	
	On this page you can configure the network inte interfaces separated by spaces. You can also use	rfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network e VLAN notation INTERFACE.VLANNR (e.g.: eth0.1).
DHCP and DNS	Applying changes	1
	Waiting for changes to be applied	
Static Routes	Common Configuration	
Firewall	General Setup Advanced Settings Phy	sical Settings Firewall Settings
Diagnostic s	(Datas	
QoS	Status	Collecting data
	Protocol	Static address
	Really switch protocol?	Switch protocol
	IPv4 address	192.168.100.1

Figure 21.

b.7. Please remember to change the IP address of your network card before a new Access to the equipment is done, as shown in section 2,(Access to the equipment) an example is shown in Figure 22.

neral	
ou can get IP settings assigned is capability. Otherwise, you nee e appropriate IP settings.	automatically if your network supports id to ask your network administrator for
Obtain an IP address autom	atically
Use the following IP address	к
IP address:	192 . 168 . 100 . 🔟
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	
C Oblight ONC and a different	endere etime to
Upterr Diverserver address	automatically
Preferred DNS server	
riciciled Divo server.	
Alternate DNS server:	
	Advanced.

Figure 22.

b.8. Please access the configuration with the new IP address, **Figure 23.**

🔆 🕢 💌 🔞 http://192.168.100.1/cgi-bin/luci	💌 🖅 🗶 🕞 Bing	• 9
File Edit View Favorites Tools Help K 🕑 Trend Micro Toolbar -		
2 Favorites 🕘 LanPro LP-1540al		
SLANPRO	LP-1540ai	-
Authorization Required Rease enter your username and password.		
Username	ignin .	
Password	Ø	
		Reset Login

Figure 23.

c. Change the wireless Access password c.1. Select Network, Figure 24.

SLANPRO	Status Network System Logout High Output, Multipurpose indoor/outdoor BGN Radio
Operational Mode	Operational Mode
Interfaces	Offer operational modes to users for setting up the device easily
	C AP Bridge:
	At the interfaces are connected to the LAN Bridge. In this mode, both AP and WDS Client are supported.
LAN Hostnames	C Glient Bridge:
Static Routes	Similar to the AP Bridge, but support the function to bridge ap client to remote AP
	© WAN Gateway:
Diagnostics	Behave like a wireless nouter, support Wireless WAN or WAN port
QoS	
	@Reset @Save @Save & Apply



c.2. Select Wifi as shown in Figure 25.

SLANPRO	Status	Network	System	Logout	LP-1540ai High Output, Multipurpor	se indoor/outdo	oor BGN Radio				
Operational Mode	radio0: M	Naster "LanPro Li	P-1540ai*								
Interfaces	Wireles	s Overview									
win											
VLAN	((()))	Generic MAC	80211 802.	11bgn (radio0)	0			2	Gran	*1	444
DHCP and DNS	X	Channel: 1 (2.4)	12 GHz) Bitra	ite: 1 Mbit/s				LM.	Xan		AL.
LAN Hostnames		ON BSSID: LanPr	C:0E:00:10:50	Mode: Master	/PA2 PSK (CCMP)		Disable	4	Edit	×	Remove
Static Routes											
Firewall	Associat	ted Station	15								
Diagnostic s											
QoS		SSID	MAC-Add	dress	IPv4-Address	Signal	Noise	RX	Rate	т	IX Rate
					No information	n available					

Figure 25.



c.3. Select option Edit in the WiFi virtual device, Figure 26.

Figure 26.

c.4. Select Advanced settings, Figure 27.

,	Moder Master (1 Still: LawFor LA-1540a) SSS0: 00-00-color-0150 (1 Encyptone WA2 PX (CLMP) Channet: 11 (2-42 Okt) 11 Tx-Powers 27 dbn Sanati 0 dbit / Is (Douthry LS Bitrate: 0.0 Mbit / s (Country: US	
Wireless network is enabled	Disable	
Channel	11 (2.462 GHz)	
Transmit Power	27 dBm (501 mW)	
	i din	
nterface Configuration	WPA2.PSK	
nterface Configuration General Setup Worless Security MAC-Filter Encryption Copter	WPA2PSK auto	

Figure 27.

c.5. Proceed to change the password and select Save and Apply, Figure 28.

Status	Noder Nester I SSID: Lain's (D-1560) SSID: 00:05:05:05:05:01 (D-159) (D-159) (D-159) Channel: 11 (Z-40 (2Hz) 1 - Parkover: 27 dlm Signab: 0 dlm 1 Nole: - 15 dlm Bitnet: 63 Jonks: 1 (Country: 15	
Wireless network is enabled	Disable	
Channel	11 (2.462 GHz)	×
Transmit Power	27 dBm (501 mW) Ø dbm	<u>×</u>
Interface Configuration General Setup Workess Security MAC-Pitter Encryption	WPA2-PSK	<u>×</u>
Interface Configuration Contrast Security MACTREE Encryption Copter Copter	WPA2PSK ado	ž

c.6. Wait until the equipment resets, Figure 29.

SLANPRO	Status Network System	Logout High Output, Multipurpose Indoor/outdoor BGN Radio
Operational Mode	radio0: Master "LanPro LP-1540ai"	
Interfaces	Wireless Network: Master "	anPro P-1540ai" (wian0)
win	meters network. master	
VLAN	The Device Configuration section covers ph multi-SSID capable). Per network settings II	ysical settings of the radio hardware such as channel, transmit power or antenna selection which is shared among all defined wireless networks (if the radio hardw we encryption or operation mode are grouped in the Interfoce Configuration.
DHCP and DNS	Applying changes	
LAN Hostnames	Waiting for changes to be applied	
Static Routes	Device Configuration	
Firewall	General Setup Advanced Settings	
Diagnostic s	-	
QoS	Status	Mode: Master SSID: LanPro LP-1540al
		Channel: 11 (242 GHz) 1 Xx Power: 27 Gbs
		ov Signal: 0 dBm Noise: -95 dBm
		Bitrate: 0.0 Mbit/s Country: US



d. Change of the administration and configuration password of the equipment.

d.1. Select option System, as shown in figure Figure 30.

SLANPRO	Status Network System Logout	LP-1540ai High Output, Multipurpose indoor/outdoor BGN Radio	
System	System		
	Here you can configure the basic aspects of your device like its	s hostname or the timezone.	
	System Properties		
	General Settings Logging Language and Style		
	Local Time		
	LOCA TIME	Tue May 12 10:57:20 2015 Sync with browser	
	Hostname	LanPro LP-1540ai	
	Timezone	итс	-
	- Time Synchronization		
	Enable NTP client	<u>य</u>	
	Provide NTP server		
	NTP server candidates	0.usa.pool.ntp.org	
		×	

Figure 30.

d.2. Select Administration, Figure 31.

SLANPRO	Status Network System Logout	LP-1540ai High Output, Multipurpose indoor/outdoor BGN Radio
System	Router Password	
Administration	Changes the administrator password for accessing the device	
Scheduled Tasks		
Backup / Flash Firmware	Password	2
Upgrade bootloader		8
Reboot	Confirmation	2 2
	SSH Access	
	Dropbear offers SSH network shell access and an integrated SCP	server

Figure 31.

d.3. Proceed to change the password in both fields as shown in **Figure 32.**

SLANPRO	Status Network System Logout	LP-1540ai High Output, Multipurpose indoor/outdoor BGN Radio
System	Router Password	
Administration	Changes the administrator password for accessing the device	
Scheduled Tasks		
Backup / Flash Firmware	Password	
Upgrade bootloader		22
Reboot	Confirmation	e ê••••
		22

Figure 32.

d.4. Select **Save and apply** to perform the changes, as shown in figure 38 **Figure 33.**

	wwan: (no interfaces attached) unspecified unspecified tissen only on the given interface or, if unspecified, on at
Port	22 Ø Specifies the listening port of this Dropbear instance
Password authentication	Allow SSH password authentication
Allow root logins with password	Allow the root user to logis with password
Gateway ports	C 🕼 Allow remote hosts to connect to local SSH forwarded ports
til Add	
SSH-Keys Her you can paste public SSH-Keys (one per line) for SSH public	C-Ray sutheretication.
x	2 2 2
	@Reset @Save @Save & Appl

Figure 33.

d.5. Wait for the equipment to reset and access it with the new password, **Figure 34.**

SLANPRO	Status Network System Logout	LP-1540ai High Output, Multipurpose indoor/outdoor BGN Radio
	Password successfully changed!	
Administration	Router Password	
Scheduled Tasks	Changes the administrator password for accessing the device	
Backup / Flash Firmware	Applying changes	
Upgrade bootloader	Configuration applied.	
Reboot		
	Password)) 8
	Confirmation	i di
		2



4. How to add additional pre-configuration templates

а.	Select option \$	System.	Figure 35.		
SLANP	RO Status Network	System Logout	LP-1540al High Output Multipurpose indoor/outdoor/	BGN Radio	
Overview	Status				
Firewall	System				
Routes	Router Name	L	anPro LP-1540ai		
System Log	Router Model Firmware Version	u L	P-1540ai P154041 1.01		
KernelLog	Local Time	т	ue Alay 12 06:57:15 2015		
Dashboard	Uptime Load Average	0* 0	a 5m 26s .29, 0.15, 0.07		
	Memory				
	Total Available	F	41950 k6 / 61716 k8 (808)		
	Free	T	40766 kB / 617% kB (418)		
	Cached	ŗ	7020 k8 / 61716 k8 (118)		
	Buffered	L	2112 k8 / 61716 k8 (38)		
	Network				
	IPv4 WAN Status	1	Not connected		
	Active Connections	[267 / 16384 (18)		
	DHCP Leases				
	Hostname	IPv4-Address	MAC-Address	Leasetime remaining	
	LOFFLERPC	192.168.1.101	00:22:68:19:15:85	11h 55m 22s	

Figure 35.

b. Select Backup/Flash Firmware, then select Restore Backup (choose file), Figure 36.

SLANPRO	Status Network System Logout High Outpu	Dai 1,Multipurpose indoor/outdoor BGN Radio
System	Flash operations	
Administration		
cheduled Tasks	Actions Configuration	
lackup / Flash Firmware	Backup / Restore	
pgrade bootloader	Click "Generate archive" to download a tar archive of the current co	onfiguration files. To reset the firmware to its initial state, click "Perform reset".
Reboot	Download backup:	Generate archive
	Reset to defaults:	@Perform reset
	To restore configuration files, you can upload a previously generate	d backup archive here.
	Restore backup:	Choose File No file chosen
	Flash new firmware image Uplied a ynopprode-compatible image here to replace the running firmware image). Keep settings: Image:	firmware. Deck "Keep settling" to retain the current configuration (requires an OpenWrt compatible Choose File No file chosen

Figure 36.



Explore the Template's folder and select the desired one, then select **Open**, as shown in **Figure 37**.

SLANPRO	Status Network System	Logout High Output	0ai at,Multipurpose indoor/outdoor	BGN Radio		
System Administration Schoduted Tasks Backup / Flash Firmware Upgrade boottoader Reboot	Flash operations Open Actors Configurate Backup / Restore Cirk Teerana ande Dominad backupi Reset to defaults	Look In Plantilas	ter Hode tar gg for Hode tar gg	3 5 2	3 X	
	Flash new firmwe Uplada a nyappada-o rirmwere image). Keep settings: Image:	Computer Network Soces	Al Files I Files I Open as read-only		Dpen Cancel	3penWrt compatible

Figure 37.

d. Proceed to select option Upload archive, Figure 38.

SLANPRO	Status Network System Logout High Output Multipurpose indoor/outdoor BGN Radio
System	Flash operations
Administration	Autor
Scheduled Tasks	Actors Configuration
Backup / Flash Finnware	Backup / Restore
Upgrade bootloader	Click "Generate archive" to download a tar archive of the current configuration files. To reset the firmware to its initial state, click "Perform reset".
Reboot	Download backup:
	Reset to defaults: OPerform reset
	To restore configuration files, you can upload a previouily generated backup archive here.
	Restore backup: Choose File LP-154Dai Races.tar.gz
	Flash new firmware image Upload a proparatio image here to replace the running firmware. Deck "Keep settings" to retain the current configuration (requires an OpenWrt compatible firmware image). Keep settings: Choose File No file chosen @Flash image

Figure 38.

e. The equipment will proceed to upload the template's values and reinitialize, as shown in **Figure 39**, please wait until the equipment asks for the credentials again.

System - Rebooting	
Changes applied.	
Joading Waiting for changes to be applied	Figure 39.

f. The equipment will ask for your credentials again, Figure 40.

LANPRO	LP-1540ai High Output,Multipurpose indoor/outdoor BGN Radio
Authorization Required	
Username	adhin
Password	
	Becet II.



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