## SLANPRO

## LP-583ai 5.8GHz Band 802.11a/n Outdoor Radio with Integrated Antenna. Installation Guide

LP583ai\_IG\_ENB01W



# LP-583ai 5.8GHz Band 802.11a/n Outdoor Radio with Integrated Antenna.

## **Installation Guide**

## ELANPRO

Power LAN port: Connect with a PC or a router

Power POE port: Connect device LAN port (supply power to the device)

 $\underline{\textbf{Note:}}$  Use LAN ports of the device to log in software





## Open your "Networks Connections"



2. Op

Open your **"Local Area Connections"** and choose **"Properties"** 



Set your IP to "Use the following IP Address"



(5.)

Double click **"Internet Protocol (TCP/IP) Properties**"

General Advanced	Internet Protocal (TCP/IP)Properties
Connect using         Realtek RTL8139/810x Family Fast         Conligure         This connection uses the following items:	General       Alternate Configurataion         You can get IP settings ass igned automatically if your network supports this capability.Others,you need to ask your nerwork administrator for the appropriate IP settings.         O Obtain an IP address automatically         O Use the following IP address:         O Obtain DNS server address automatically         O Obtain DNS server:         Prefened DNS server:         Altemate DNS server:         Advanced
OK Cancel	OK Cancel

4.

Open your IE and enter in "192.168.110.1", the admin password is "password", enter in "Enter admin password"

	Wireless Network
Easy Setup	Login
Status	Enter admin password:
Connection	Login
Firewall	Current Date & Time
System	02/24/14 03:53 UTC
Logut	

5.

Get into the firmware and choose "Easy Setup" (Choose the Mode which you need)



### ADSL Mode (Dialing)

Choose "ADSL", enter the user name and password of your broadband, and set your own SSID, set your IP to 192.168.110.1, and save changes.

Note: The cable needs to be connected with WAN port in ADSL Mode.

		Wireless Netwo
Easy Setup Easy Setup ADSL AP Terminal Repeater	User Name: Password: Reconnect Mode:_ (seconds)	← enter the user name Keep Alive ▼ ← enter the password
AP+WDS Terminal(WDS) Repeater(WDS)	CLocal Network / LAN	192.168.110.1 ← Set your IP
Status	Local Network / LAN	
Connection	Operation Mode:	
Firewall	Channel Width:	40MHz(2nd chan, blow) ▼
System	Transmit Power:	Max 🛛 27 (0-27dBm)
Logut	Wireless MAC Filter:	Dissbled <ul> <li>Dissbled</li> </ul>
	Accdss Point SSID: Wireless Channel: Encryption:	✓       your wifi name         11       ✓       support 1–11 channels         WPA PSK       ✓       Choose WPA PSK.
	Password:	and set your password

### **STEPS FOR SETTING UP:**

- 1. Write down ADSL and password.
- 2. Set up IP address for Router (for example: 192.168.110.1).
- **3.** Frequency setting (supports 2.3-2.7GHz).

**Note:** In general, routers, mobile phone, laptop, only could receive 2.4GHz channel.

First, choose "width of broadband"

 40MHz (2nd chan. below) 
 40MHz (2nd chan. above) 

 40MHz (2nd chan. above) 

 Second, choose the channel which you need in "wireless channel"

 Write down the name of SSID (like: WiFi)
 Choose encryption (like: choose WPA PSK, add WiFi password).
 Save and finish setting.

### **ENVIRONMENT SETTING:**



#### AP Mode (sending + WDS)

Choose "**AP**", enter the user name and password of WiFi, set your IP to 192.168.110.1 and save changes.

**Note:** The cable needs to be connected with LAN port in AP Mode.

		Wireless Network
Easy Setup Easy Setup	Current IP :	Renew Lease Now
ADSL AP Terminal	Current Lease Expires : Wan Ethernet Port :	Normal Use
Repeater AP+WDS Terminal(WDS) Repeater(WDS)	Local Network / LAN	100 168 110 1 <b>A</b> Sat your ID
Status	Router IP:	192.168.110.1
Connection Firewall System Logut	Local Network / LAN     Operation Mode:     Channel Width:     Transmit Power:     Wireless MAC Filter:	N+A 40MHz(2nd chan, blow) $\leftarrow$ D e fau lt b an d w id th Max 27 (0-27dBm)
	Access Point SSID: Wireless Channel: Encryption: Clients Quantity:	WiFi          ← your wifi name          2452MHz[11]          ← support 1–11 channels          None          ← Choose WPA PSK,          and set your password
	Save Changes	Reset
Status Connection Basic Authentication DHCP Dynamic DNS	DHCP LAN DHCP Server Enable DHCP range : Start : End : Lease Time :	ed 192.168.110. 10 192.168.110. 250 12 (hours)
Routing Wake on LAN	Static IPs Block MAC addresses as Add Static IP Addresses :	ssigned a static IP that connect from a different IP
System Logut	Hostname ( optional )	MAC IP Add m Currently Connected Hosts
	Assigned Static IP Addresse	s :
	Save Changes	Reset

### STEPS OF SETTING UP:

- 1. Write down ADSL and password.
- 2. Set up IP address for Router (for example: 192.168.110.1).
- 3. Frequency setting.

Note: In general, routers, mobile phone, laptop, only could receive 2.4GHz channel.

First, choose "width of broadband"

 40MHz (2nd chan. below) 

 40MHz (2nd chan. above) 

 Second, choose the channel which you need in "wireless channel"

 Write down the name of SSID (like: WiFi)
 Choose encryption (like: choose WPA PSK, add WiFi password)
 Save changes, select "Status" to cancel "DHCP Services" (picture above)
 Save and finish setting.

 CONFIGURACION DEL ENTORNO:



### Terminal Mode + WDS

Choose "Terminal", scan WiFi name and enter in the password, set you IP to 192.168.110.2, and save changes.

Note: The cable needs to be connected with LAN port in Terminal Mode

Easy Setup Easy Setup ADSL AP Terminal		H.	Wireless Network
Repeater			
AP+WDS Terminal(WDS) Repeater(WDS)	Wireless Bridge/Repeater Bridge IP :	192.168.110.2	(must be in AP subnet)
Status	Subnet Mask :	255.255.255.0	(same as AP mask)
Connection	AP/Gateway IP :	192.168.110.1	← Enter in IP
Firewall	DNS Servers:	Use Gateway As DNS S	erver 🔻
Svstem			
Logut	Connect Via WDS Operation Mode Channel Width : Transmit Power : SSID to Join : MAC Binding ( Bl binding ) : Wireless Channel Encryption :	: N+A ▼ 40MHz (2nd of Max ▼ WiFi ank if not : 2452MHz[11] None	chan. below) ▼ ← Default bandwidth 27 (0-27dbm) Scan ← Scan wifi ▼
	Save Changes	Reset	

#### **STEPS FOR SETTING UP:**

- **1.** Change WAN port into LAN port according to demand.
- 2. Set up IP address for Router (for example: 192.168.110.1).
- **3.** Setting SSID, scan the available WiFi signal.
- 4. Write down the name of SSID (like: WiFi).
- 5. Choose encryption (like: choose WPA PSK, add WiFi password).
- **6.** Save and finish setting.

## **ENVIRONMENT SETTING:**



#### Note:

- 1. If the strength of signal light on, could connect QQ but could not open the website, please choose "connection" option at the left, DNS change to "Google DNS server"
- 2. When receiving CMCC, DNS change to "Operators provide default DNS Server".

#### **B** Repeater Mode

Choose "**Repeater**", scan WiFi name and enter in the password, and set your IP to 192.168.110.3 and save changes.

**Note:** the cable needs to be connected with LAN port in Repeater Mode.

	1	Wireless Network
Easy Setup Easy Setup	Current IP : Current Lease Expires :	Renew Lease Now
ADSL AP	Wan Ethernet Port :	Disable
Terminal Repeater AP+WDS Terminal(WDS) Repeater(WDS)	Router IP:	192.168.110.1 ← Set your IP
Status	Channel Width:	40MHz(2nd chan, blow) ▼ ← D e fau It bandwid th
Connection	Transmit Power:	Max 💙 27
Firewall	Wireless MAC Filter:	Disable V
Logut	SSID to Join: MAC Binding(Blank if not binding): Wireless Channel: Encryption:	1111 scan 2462MHz[11] ▼ None▼
	Access Point SSID: Wireless Channel: Encryption: Clients Quantity	2222     ← your wifi name       2452MHz[1]]     ← support 1-11 channels       None     ← Choose WPA PSK, and set your password       ← Scan wifi
	Save Changes	Reset

#### **STEPS FOR SETTING UP:**

- 1. Setting the router IP address: (For example: 192.168.110.3).
- **2.** Setting SSID, scan the available WiFi signal.
- 4. Enter the name of SSID (like: WiFi).
- **5.** Choose encryption (like: choose WPA PSK, add WiFi password).
- **6.** Save the change, set up is finished.

#### **ENVIRONMENT SETTING:**



#### <u>Note:</u>

- 1. If he device signal indicator light is on, and it can connect to QQ but can't open the website, please click the left selection "connect", DNS change to "Google DNS Server".
- 2. When receiving CMCC, DNS change to "Operators provide default DNS Server" by default

#### C Q&A

#### Q1 How does CPE get the power without power supply?

We use PoE power, CPE get the power via cable. User need use 2 cables to connect and setting (better use Super five types copper cable with shielding net) PoE manual can refer to cover connecting picture, but please remember connect with LAN port (black port), not yellow one.

#### Q2 How long the PoE cable can be?

The length of cable depends on power voltage and cable quality. If you use 12V power, cable can be 10-20m. if you use 24V power, cable can be over 20m. cable must be Super five types copper cable with shielding net (better quality can be 50m)

#### Q3 How to reset CPE?

Get device power on, long press RESET button (7-10 sec), device reboot.

#### Q4 How to solve the LAN can't get the IP address even the cable connects to the computer?

The cable must connect to the wireless bridge LAN port, if connect to WAN will not get the IP address.

Q5 Why local Area Connection is on and off after installed device?

Detection method as bellow:

**1.** Try to change 1m cable, make sure it is not quality of cable problem

**2.** try to change channels, avoid signal quality problem cause disturbance

#### Q6 Why the website blank and show the mistake that can't enter password?

You can try to change the IE version, recommend the Google browser.

#### Q7 What's the mean of repeater?

Repeater mean when receive the signal, it will transfer the signal mean while output the wireless signal. As the function of the amplifier.

#### Q8 Light of signal

Red: PWR power light showing the normal working status

**Blue:** WLAN WiFi signal light the strobe light shows the normal working status; WAN, LAN: LAN light showing the normal working stats.

**Orange:** 1-4 Signal. Strength Indicator.

Light 1, the signal is to weak.

Light 1.2, the signal is weak.

Light 1.2.3, the signal is normal.

Light 4, the signal is to strong.

Light 1.2.3.4, the best signal.

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