

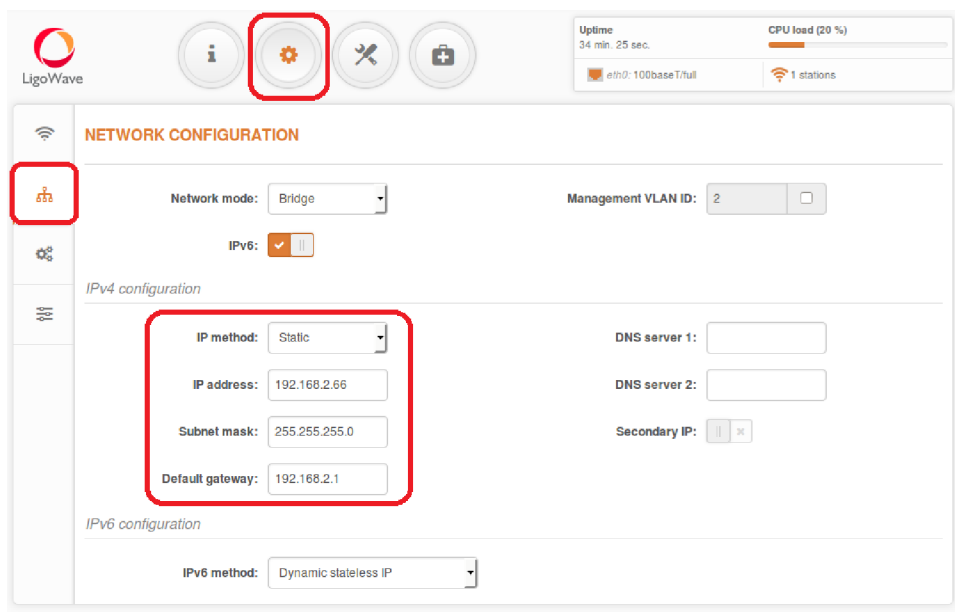
# Ligowave DLB-5-15AC Point to Point



- It is recommended to use the iPoll 2 proprietary protocol for simple Point-to-Point network configuration.

Perform the following steps to create a simple Point-to-Point link between Access Point iPoll 2 and Station (WDS/iPoll 2):

**Step 1. Access Point iPoll 2 Configuration.** Change the device's default IP address (can be static or dynamic) and enable IP alias (secondary IP), if necessary:



## Step 2. Configure the wireless settings for **Access Point iPoll 2**:

- set **Wireless mode** to **Access Point (iPoll 2)**
- set **Channel** to **Auto**

All other settings should be left as their default values

The screenshot displays the LigoWave wireless configuration page. At the top, there are system status indicators: Uptime (34 min. 15 sec.), CPU load (19%), and network status (eth0: 100baseT/full, 1 station). The main section is titled 'WIRELESS CONFIGURATION'. It includes an 'Enable radio' toggle (checked), 'Operating country' set to 'US', and an 'Operating mode' dropdown menu set to 'Access point (iPoll 2)'. Below this, 'Radio settings' show 'Tx power (dBm)' at 3 and 'Channel' set to 'Auto / 40 MHz'. There is also an 'Advanced radio settings' section. Under 'Wireless settings (AP)', a table lists the configuration for 'LigoDLB'.

Network SSID	Security	Management	Broadcast SSID	VLAN
LigoDLB	WPA/WPA2 Personal	Enabled	Yes	--

- Press the gear icon found in the Wireless Settings (AP) section (shown below) to change the SSID and the encryption configurations.

Network SSID	Security	Management	Broadcast SSID	VLAN
LigoDLB	WPA/WPA2 Personal	Enabled	Yes	--

- set the **SSID**
- enable **Security** for secure traffic on link

All other settings should be left as their default values

**WIRELESS AP SETTINGS**

SSID: LigoDLB

Broadcast SSID:

*Security settings*

Security: WPA/WPA2 Personal

Passphrase: \*\*\*\*\*

WACL

Advanced settings

Done Cancel

**Step 3. Station iPoll 2 Configuration.** Change the device's default IP address (can be static or dynamic) and enable IP alias (secondary IP), if necessary:

LigoWave

Uptime: 35 min, 21 sec. CPU load (84 %)

eth0: 100baseTfull -54/-49 dBm

**NETWORK CONFIGURATION**

Network mode: Bridge Management VLAN ID: 2

IPv6:

*IPv4 configuration*

IP method: Static

IP address: 192.168.2.67

Subnet mask: 255.255.255.0

Default gateway: 192.168.2.1

DNS server 1: DNS server 2: Secondary IP:

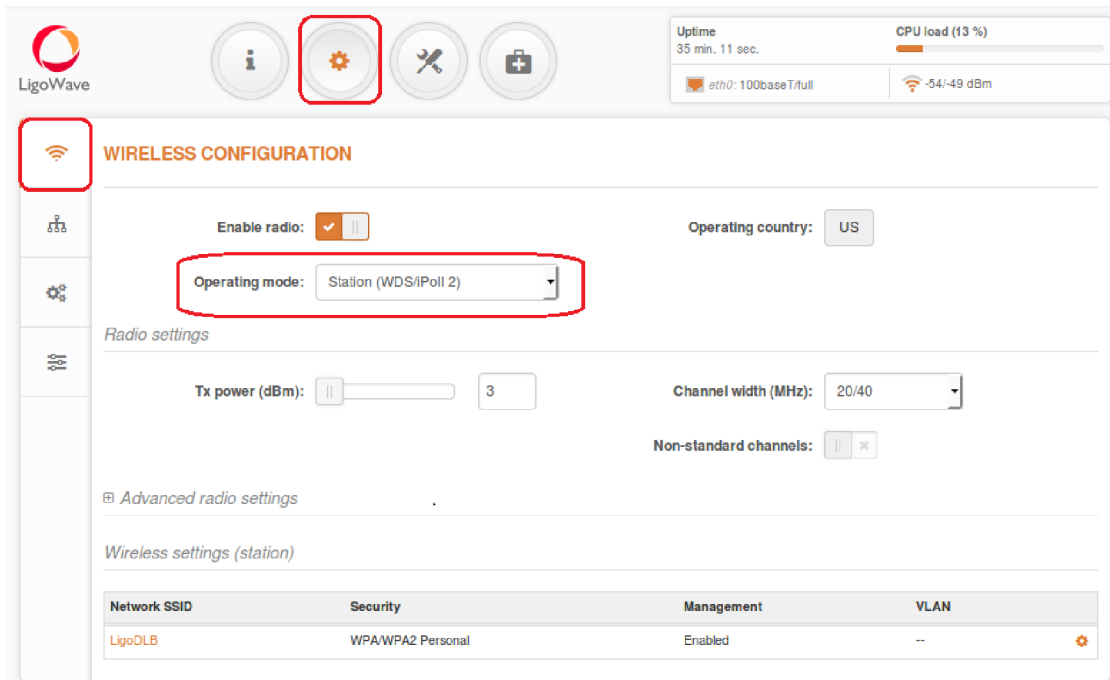
*IPv6 configuration*

IPv6 method: Dynamic stateless IP


• **Step 4.** Configure the wireless settings for Station iPoll:

• set **Wireless mode** to **Station (WDS/iPoll 2)**.

• All other settings should be left as their default values.



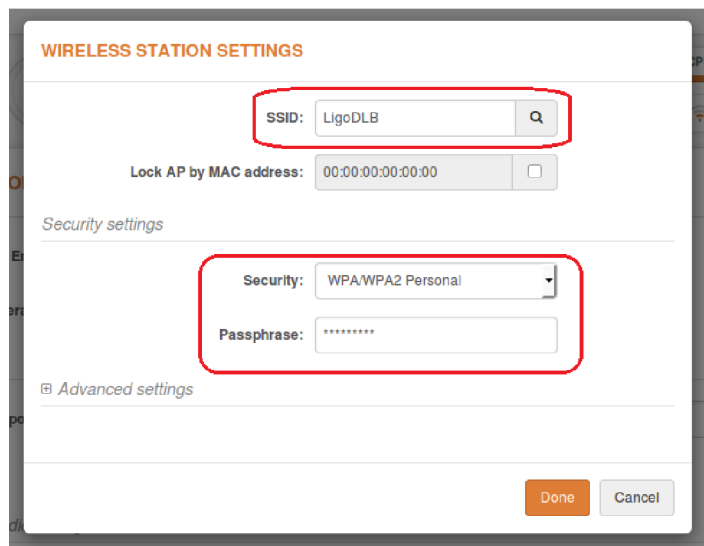
- Press the gear icon found in the Wireless Settings (Station) section (shown below) to change the SSID and the encryption configurations.

Network SSID	Security	Management	VLAN	
LigoDLB	WPA/WPA2 Personal	Enabled	--	

• set the SSID or use Scan to find iPoll 2 Access Points automatically;

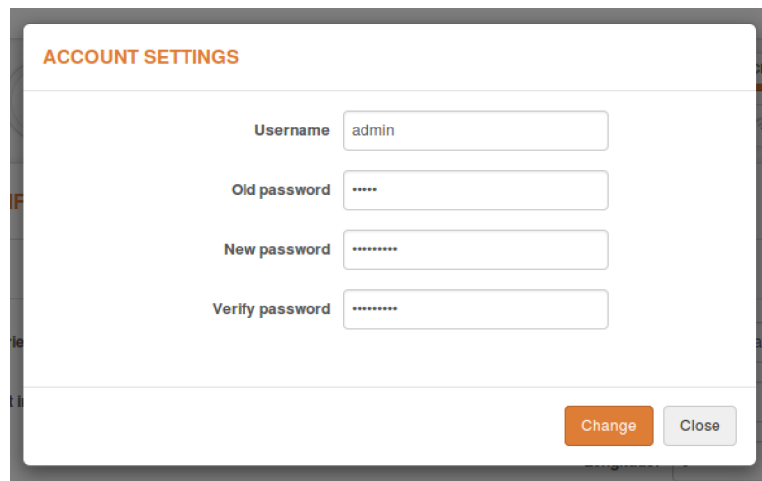
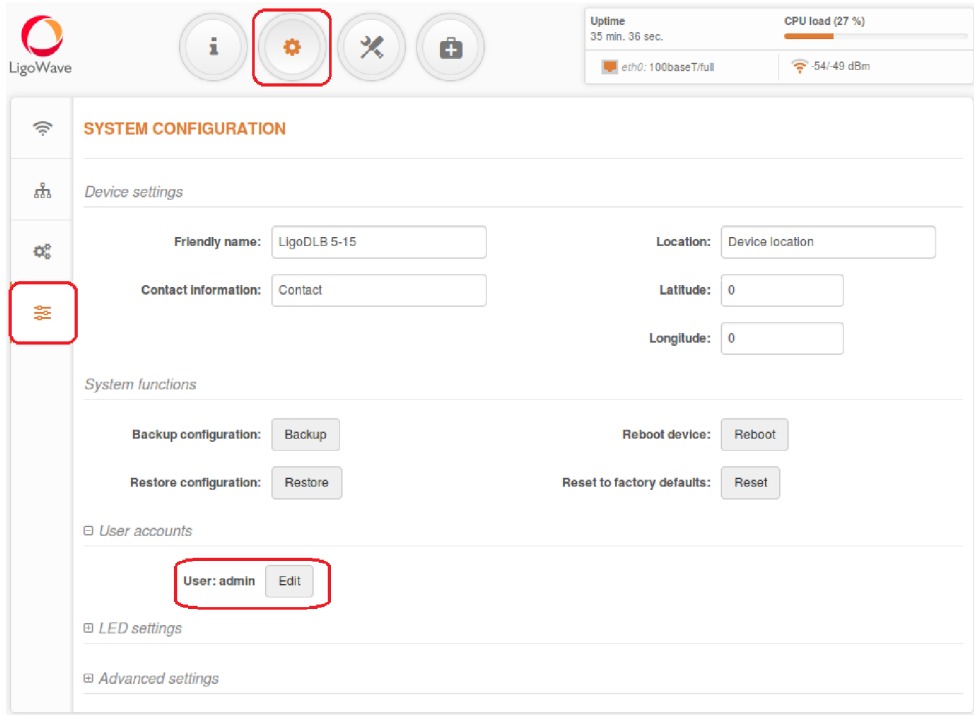
• enable Security for secure traffic on link.

• All other settings should be left as their default values.



- Note that Station iPoll 2 security settings must match the settings configured on the Access Point iPoll 2 with which the station is associated.

- **Step 5.** It is highly recommended to change the default administrator's password for each unit:



**Step 6. Verify the PTP link connection.** Navigate to **Status > Information**. The information page will display data for the wireless link.

**Access Point iPoll 2's** status page should indicate that one peer (Station iPoll 2) is connected and should provide information about the connection as follows:

**INFORMATION**

Product name: LigoDLB 5-15  
 Device serial No.: 0814142600003E9  
 Network mode: Bridge  
 Wireless mode: Access point (iPoll 2)

Operating country: US  
 Friendly device name: LigoDLB 5-15  
 Device location: Device location  
 Latitude/Longitude: 0 / 0

**Radio**

Channel: 149 (5745 MHz)  
 Channel width (MHz): 40 Upper  
 Tx power (dBm): 3  
 Noise level (dBm): -95

Protocol: iPoll 2  
 Radio mode: MIMO 2x2  
 Antenna gain (dB): 15

**Wireless (Access point (iPoll 2))**

Network SSID	Security	Broadcast SSID	VLAN	Stations
LigoDLB	WPA/WPA2 Personal	Yes	--	1

**Network**

IP method: Static  
 IP address: 192.168.2.66  
 Subnet mask: 255.255.255.0  
 Default gateway: 192.168.2.1

IPv6 method: Dynamic stateless IP  
 IPv6 link-local address: fe80::219:3bff:fe03:9594  
 IPv6 address: --  
 IPv6 prefix length: --  
 IPv6 gateway: --

Detailed information about the connected peers is found in the **Status > Wireless** page.

**WIRELESS**

Enter keyword to filter results

Info Counters

SSID: LigoDLB

Total stations/limit: 1 / 128

Station	IP address	Signal, dBm	Tx/Rx rate, Mbps	Tx/Rx CCQ, %	Protocol	Link uptime
<input type="checkbox"/> 08:A1:2B:FF:02:48 LigoDLB 5-15	192.168.2.67	-49 / -55	270 / 243	100 / 90	iPoll 2	34 min. 11 sec.

Kick selected

Station iPoll 2's status should show up as Connected and there should be progress bars indicating the quality of the connection:

**Uptime:** 35 min. 1 sec. **CPU load (31 %)**

**eth0:** 100baseT/full **-54/-49 dBm**

### INFORMATION

**Product name:** LigoDLB 5-15  
**Device serial No.:** 0418132600000008  
**Network mode:** Bridge  
**Wireless mode:** Station (WDS/iPoll 2)

**Operating country:** US  
**Friendly device name:** LigoDLB 5-15  
**Device location:** Device location  
**Latitude/Longitude:** 0 / 0

**Radio**

**Channel:** 149 (5745 MHz)  
**Channel width (MHz):** 40 Upper  
**Tx power (dBm):** 3  
**Noise level (dBm):** -95

**Protocol:** 802.11a/n/wjetttrue  
**Radio mode:** MIMO 2x2  
**Antenna gain (dB):** 15

**Wireless (Station (WDS/iPoll 2))**

Network SSID	Security	Peer MAC	Tx/Rx rate, Mbps	Tx/Rx CCQ, %	Protocol	Link uptime
LigoDLB	WPA2 Personal	00:19:3B:03:95:94	270 / 243	100 / 90	iPoll 2	0 min. 17 sec.

**Network**

**IP method:** Static  
**IP address:** 192.168.2.67  
**Subnet mask:** 255.255.255.0  
**Default gateway:** 192.168.2.1

**IPv6 method:** Dynamic stateless IP  
**IPv6 link-local address:** fe80::aa1:2bff:feff:248  
**IPv6 address:** --  
**IPv6 prefix length:** --  
**IPv6 gateway:** --