

LD2100 Quick Start Guide



Thank you for purchasing the SeaHawk LD2100. This guide describes how to perform the initial installation steps for the LD2100. For additional installation and configuration instructions, refer to the *LD2100 User Guide* located at www.rletech.com.

If you need further assistance, contact RLE Technologies on our website at www.rletech.com (go to the **Support Link**) or by calling **970.484.6510, Option 2**.



1 Supplies for Installation

Included with the LD2100

- ◆ Wall mount kit (or purchase optional enclosure, LD-ENC)
- ◆ Cross over cable (blue with yellow ends)
- ◆ 15ft. (4.57m) leader cable
- ◆ End-of-line terminator (EOL)

Sold Separately

- ◆ SeaHawk Leak Detection Cable
- ◆ 24VAC power supply (part #WA-AC-24-ST) or 24VDC power supply (part #PSWA-DC-24-ST)

Information You Need

Consult with your IT administrator to determine the following network settings for the LD2100:

- ◆ IP address _____
- ◆ Subnet mask _____
- ◆ Default gateway _____

2 Installing the SeaHawk LD2100

The LD2100 is a wall mounted device. Using the wall mount kit (included) or the LD-ENC or LD-ENC-NP wall-mountable enclosure (sold separately), mount the device to the wall in a convenient location.



Wall Mount Kit

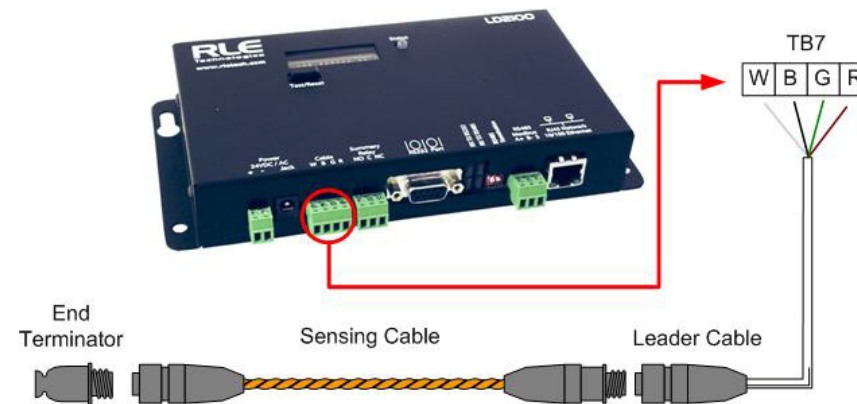
3 Connecting the Leak Detection Cable

The LD2100 includes a 15-foot (4.57m) leader cable and an end-of-line (EOL) terminator. To connect the leader cable:

- 1 Locate the stripped end of the leader cable and the terminal block labeled "Cable" on the LD2100.
- 2 With the screws of the terminal block connector facing up, connect the leader cable wires in this order from left to right: white, black, green, and red.

Once the leader cable is plugged into the terminal blocks, it is ready to be connected to the sensing cable. Perform these steps:

- 3 Unscrew the EOL terminator from the end of the leader cable.
- 4 Attach the first length of sensing cable to the leader cable.
- 5 Route the sensing cable according to a cable layout diagram; refer to the *LD2100 User Guide* for details about the layout diagram.
- 6 Secure the EOL terminator on the unoccupied end of the sensing cable.



4 Applying Power to the LD2100

The LD2100 operates on either 24VAC or 24VDC power. RLE recommends the use of a 24VDC wall adapter power supply (part # WA-DC-24-ST), which is available separately.



WARNING

An isolated power supply is required for the LD2100.

A dedicated circuit breaker must be provided within close proximity to the LD2100 and be clearly marked as the disconnecting device for the LD2100 leak detection controller.

- 1 Run the power supply to the location of the LD2100.
- 2 The LD2100 begins booting when power is applied.
- 3 Wait approximately one minute for the LD2100 to start up. No alarm should be present. If an alarm is present, consult the *LD2100 User Guide* at www.rletech.com.

5 Accessing the Configuration Menu

You will use the Configuration Menu to configure communications for the LD2100.

- 1 Plug the crossover cable (included with the LD2100) into the computer that will be used to configure the LD2100.

Note: This cable is not intended to be connected to a network hub.



Crossover Cable

- 2 Connect the other end of the crossover cable to the Ethernet port on the back of the LD2100.

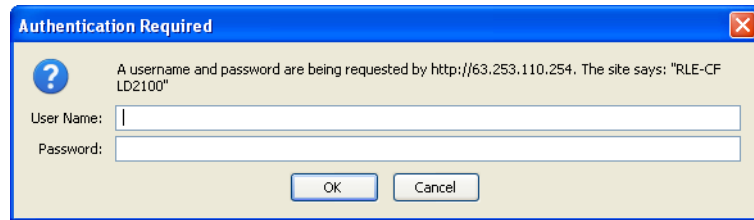
Note: Alternatively, you could use the LD2100's EIA-232 interface to access the LD2100. Refer to the *LD2100 User Guide* (available at www.rletech.com) for instructions.

- 3 Write down the computer's current IP address, subnet mask, and default gateway. Change these items temporarily so that the computer can communicate with the LD2100.

LD2100 default IP address: 10.0.0.188

LD2100 default subnet mask: 255.255.255.0

- 4 Access the LD2100 through a Web browser by typing the LD2100's default IP address (10.0.0.188) into the location bar and pressing Enter.



Enter the following:

Default User Name: ld2100 (case sensitive)

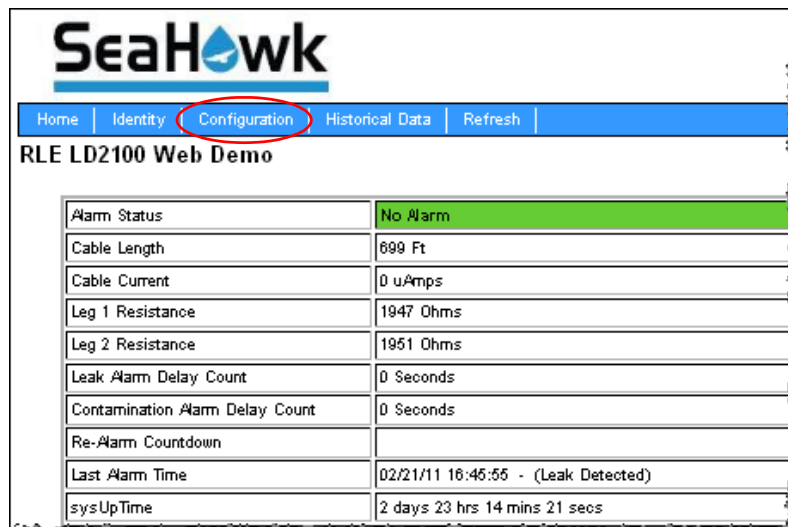
Default Password: (No default password. Leave this field blank.)

Once you enter this information, the home page for the LD2100's web interface displays. Continue to the following section to configure network communication for the LD2100.

6 Configuring Network Communication

IMPORTANT Consult your IT administrator before performing these steps.

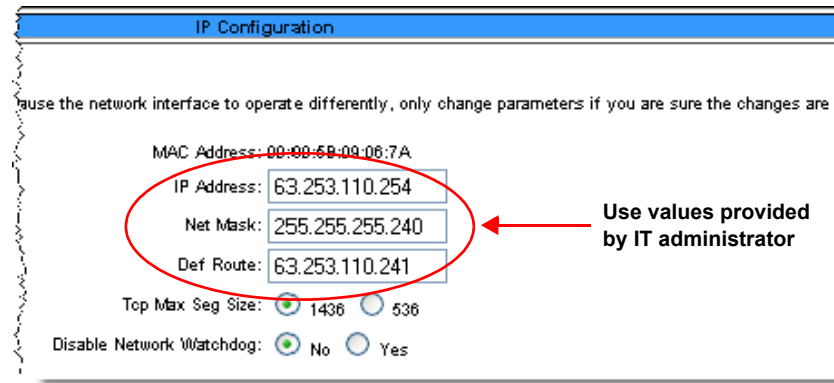
- 1 From the home page of the LD2100's web interface, select the Configuration menu link. Then, select Network Settings from the Configuration Menu.



Configuration Menu

- Leak Settings
- Zone Settings
- Virtual Zone Settings
- Physical Zone Settings
- Zone Link/URL Settings
- Network Settings ← **Select Network Settings**
- Web/Map Settings
- Clock
- NTP
- Email-SMTP/DNS
- SNMP/Syslog
- EIA-485 Port/Modbus/N2
- Bacnet
- Alarm Management
- System/Flash Management
- Product Registration

The IP Configuration page displays.



LD2100 Default Values
 IP address: 10.0.0.188
 Subnet mask: 255.255.255.0

- 2 Enter the values for IP Address, Net Mask (subnet mask), and Def Route (default gateway) provided by your IT administrator.
 Once you enter the values and click the Submit Changes button, the LD2100 saves the changes and reboots. The system status LED on front of the LD2100 stops flashing.
- 3 Reset the computer to its original IP address and subnet mask.
Note: This step might require assistance from your IT administrator.

The computer and the LD2100 are now both configured to communicate on the network.

- 4 Connect the computer and the LD2100 to the network.
- 5 From the computer's Web browser, go to the new IP address of the LD2100.
- 6 When prompted, enter the user name and password to verify network access to the LD2100 (as you did in [step 4](#) in the previous section).
 If the login window for the LD2100 does not display:
 - a Verify that the cables are firmly attached.
 - b Verify that you entered the correct IP address for the LD2100.
 - c Verify that the Status light on the top of the LD2100 is green.

For troubleshooting and additional configuration information, consult the *LD2100 User Guide* available at www.rletech.com.

7 Completing the Installation

Once you have completed the tasks in this quick start guide, follow the instructions in the *LD2100 User Guide* to complete these installation and configuration tasks for the LD2100:

- ◆ User administration
- ◆ Cable calibration and mapping
- ◆ Leak settings
- ◆ Zone configuration
- ◆ Modbus and BACnet protocol settings
- ◆ Notification settings
- ◆ Clock and network time protocol settings
- ◆ Product registration

Note: You can register the LD2100 at <http://rletech.com/product-registration.html>.