

Packing List

In addition to this guide, the package includes the following items:



ALMS-Horn-RGB Module x 1

Resources

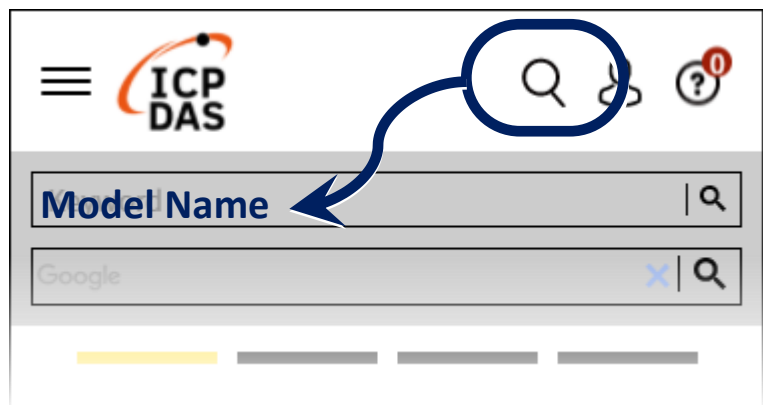
How to search for drivers, manuals and spec information on ICP DAS website.

Technical Support

service@icpdas.com

www.icpdas.com

• For Mobile Web



• For Desktop Web



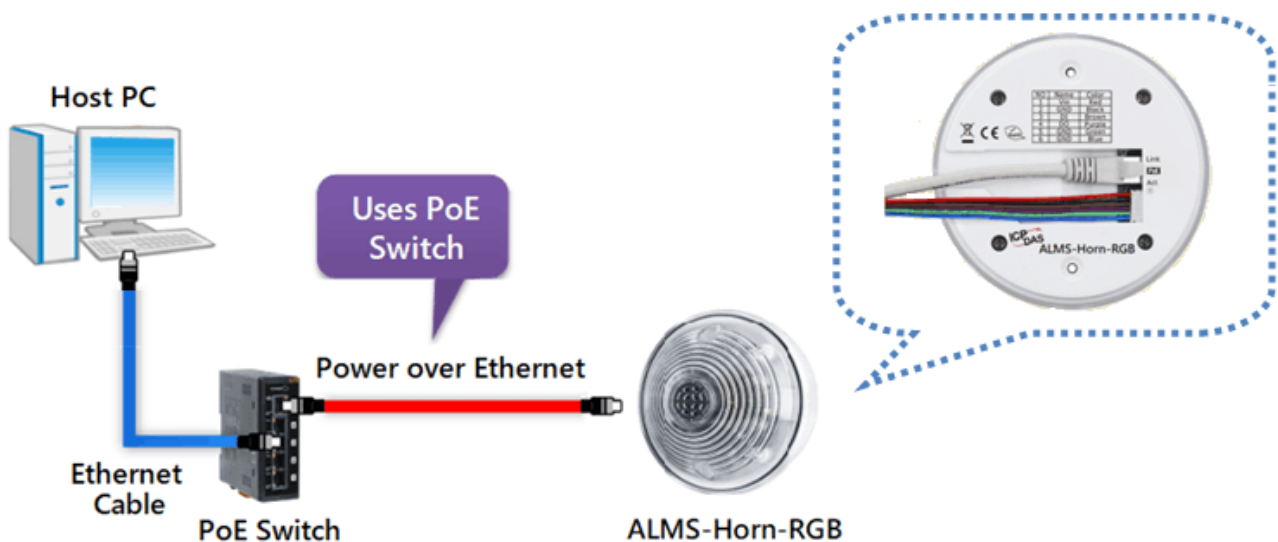
1 Connecting the Power and Host PC

1) Make sure your PC has workable network settings.

Disable or well configure your Windows firewall and Anti-Virus firewall first, else the “Search Servers” on Chapter 5 may not work. (Please contact with your system Administrator)

2) Connect both the ALMS-Horn-RGB and your PC to the same sub network or the same Ethernet switch.

3) Supply power (PoE or +12~+48 VDC) to the ALMS-Horn-RGB.

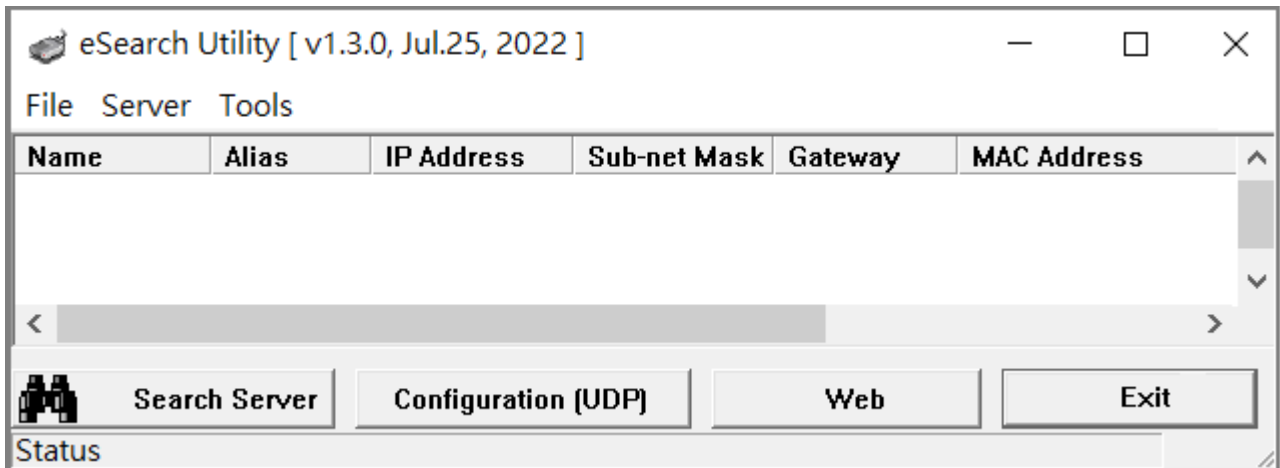


2 Installing Software on Your PC

Install eSearch Utility, which can be obtained from the web site:



<https://www.icpdas.com/en/download/index.php?nation=US&kind1=&model=&kw=esearch>



3 Configuring Network Settings

Default Settings of ALMS-Horn-RGB:

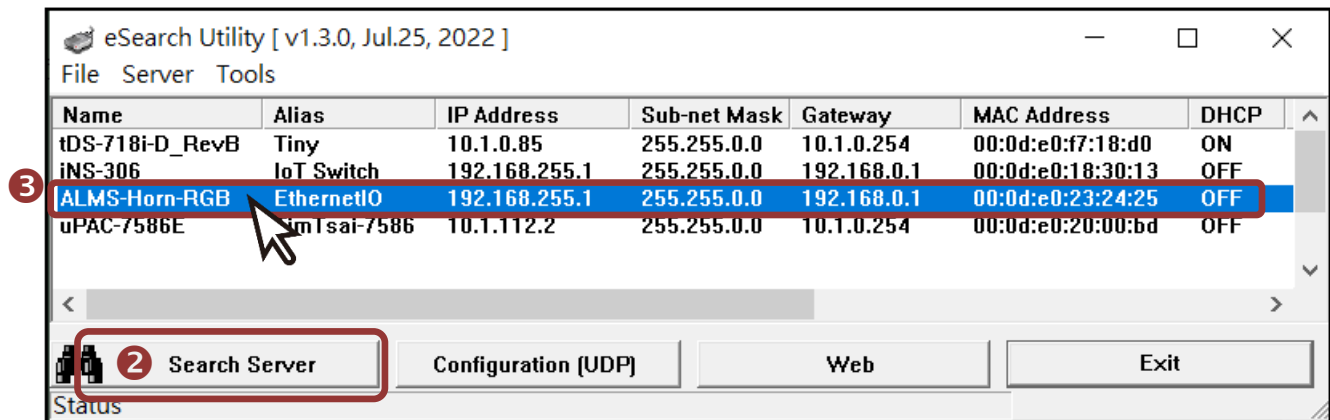
IP Address	Subnet Mask	Gateway	User Name
192.168.255.1	255.255.0.0	192.168.0.1	Admin

1) Double-click the eSearch Utility shortcut on the desktop.

2) Click the “Search Servers” to search your ALMS-Horn-RGB.

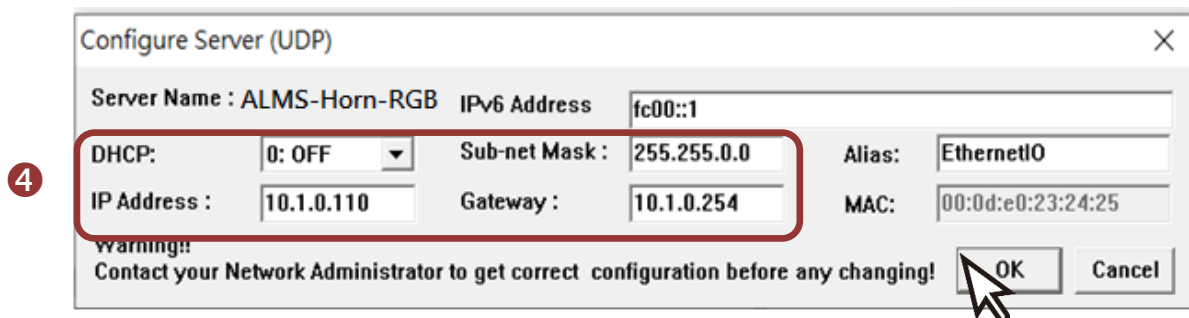
3) Double-click the name of ALMS-Horn-RGB to open the “Configure Server (UDP)” dialog box.





- 4) Contact your Network Administrator to obtain a correct network configuration (such as **IP/Mask/Gateway**). Enter the **network settings** and click **“OK”**.

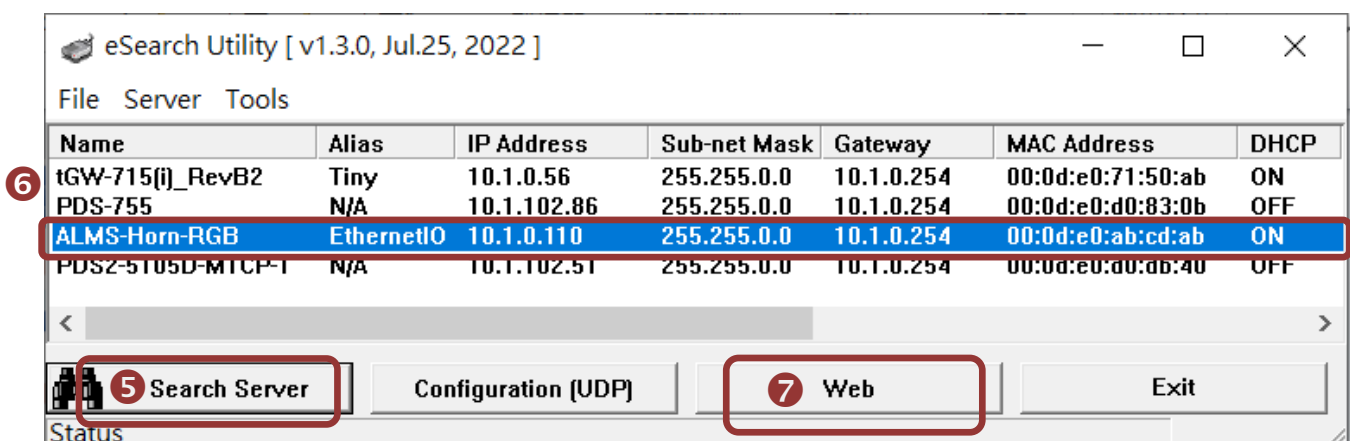
! Note: The ALMS-Horn-RGB will use the new settings 2 seconds later.



- 5) Wait 2 seconds and click **“Search Servers”** button again to ensure the GW-2500iM is working well with new configuration.

- 6) Click the name of ALMS-Horn-RGB to select it.

- 7) Click the **“Web”** button to log in to the web configuration pages.
(Or enter the URL address of the ALMS-Horn-RGB in the address bar of the browser.)



8) When the web page appears, a pop-up box containing a “Sign in to access this side” will appear. You will need to enter the Username and password before you can continue.

10.1.0.110

10.1.0.110

Sign in to access this site

Authorization required by http://10.1.0.110

Your connection to this site is not secure

Username

Password

Sign in

Cancel

Default:
User Name : Admin
password : Admin
(for first time only)

Username and Password
change prompt on the
first login.

ICP DAS

ALMS Series Module

Home Setup OPC UA MQTT LwM2M PairConnection

Network Filter Maintenance Netstat Password Logout

Model Name	ALMS-Horn-RGB	Alias Name	EthernetIO
Firmware Version	1.0.2 (Jun 9 2025)	MAC Address	00-0d-e0-ab-cd-ab
IP Address	10.1.0.108	Modbus TCP Timeout(Seconds)	18

Privilege Management

No.	Account	Password	Confirm Password	Authority	Enabled
1	Admin	****	****	Admin	☒
2	1	****	****	Admin	☒
3				Admin	☐
4				Admin	☐
5				Admin	☐

Account & Password

SUBMIT

9) Once you have enter the Username and password in the pop-up box, the user will be able to log in to the ALMS-Horn-RBG homepage.

10.1.0.63

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ALMS Series Module

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Network Filter Maintenance Netstat Password Logout

Model Name	ALMS-Horn-RGB	Alias Name	EthernetIO
Firmware Version	1.0.2 (Jun 9 2025)	MAC Address	00-0d-e0-ab-cd-ab
IP Address	10.1.0.63	Modbus TCP Timeout(Seconds)	18

Alarm Armed Status/Set

OFF

Digital Input(DI)

Trigger Type	Status
N/O	DIO

Digital Output(DO) Control

OFF

Forced Alarm

Alarm Index	Control
STOP	Set

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4 Configuring the ALMS-Horn-RGB

- 1) Click the “Setup” tab.
- 2) Configure the LED colour, alarm index or digital input settings.
- 3) Click “Apply” to save your settings.



ALMS Series Module

[Home](#) **[Setup](#)** [OPC UA](#) [MQTT](#) [LwM2M](#) [PairConnection](#)

[Network](#) [Filter](#) [Maintenance](#) [Netstat](#) [Password](#) [Logout](#)

Model Name	ALMS-Horn-RGB	Alias Name	EthernetIO
Firmware Version	1.0.2 (Jun 9 2025)	MAC Address	00-0d-e0-ab-cd-ab
IP Address	10.1.0.108	Modbus TCP Timeout(Seconds)	18

LED Color Settings

Color	Value	Setup
0		59990
Red		0
Green		0
Blue		0

Fill/Get Value to/from Color Index Index 1-1st Fill Get

Color Index	1st Red	1st Green	1st Blue	2nd Red	2nd Green	2nd Blue	Quick Flash
Index 1	59990	0	0	0	0	0	☒
Index 2	59990	0	0	0	59990	59990	☐
Index 3	0	0	0	0	0	0	☒
Index 4	0	0	0	0	0	0	☒

Alarm Index Settings(LED + Tone)

Alarm Index/Tone Volume	Color Index	Tone Index
Index 1	Index 1	Index 0(Tone OFF) 
Index 2	Index 2	Index 0(Tone OFF) 
Index 3	Index 0(LED OFF)	Index 0(Tone OFF) 
Index 4	Index 1	Index 0(Tone OFF) 
Tone Volume	Low	

Digital Input(DI) Settings

DI Channel	Trigger Type	Alarm Index
DI 0	N/O (Normal Open)	Index 1

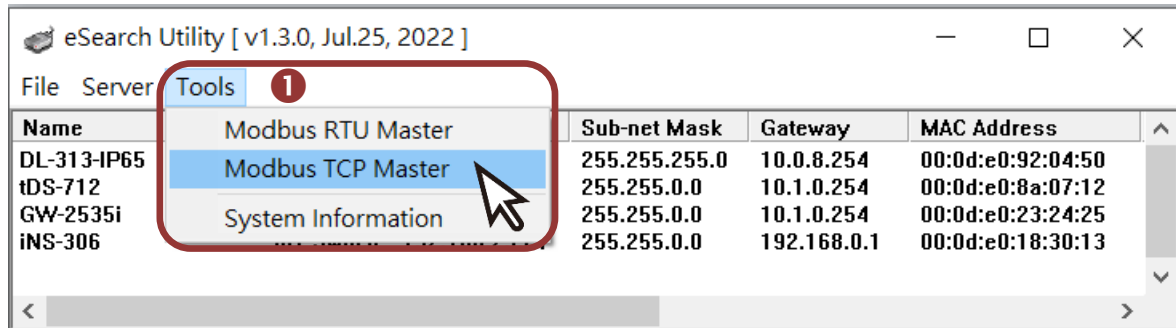
*D/O active depend on D/I, Index 0 Disable D/I Alarm

Apply

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5 Self-Test

- 1) In the eSearch Utility, select the **“Modbus TCP Master”** item from the **“Tools”** menu to open the Modbus TCP Master Utility.



- 2) In the Modbus TCP Modbus Utility, enter the IP address of ALMS-Horn-RGB and click **“Connect”** to connect the ALMS-Horn-RGB.
- 3) Refer to **“Protocol Description”** section and type the Modbus command in the **“Command”** field then click **“Send command”**.
- 4) If the response data is correct, it means the test is success.

⚠ Note: The Modbus command settings depends on your Modbus device.

