USER GUIDE

Iris E

WED-W-E



Please read and follow the instructions in this guide before operating the unit

PRODUCT OVERVIEW

Lumos Controls Iris E facilitates the data flow between multiple Lumos controls BLE mesh networks and a BMS. It helps to set up two-way communication between the BMS and Lumos controls mesh networks. This enables Lumos Controls devices to respond to commands from the BMS system and BMS components like HVAC to respond to triggers from Lumos Controls sensors

SPECIFICATIONS

Electrical

Specifications	Value
Input voltage	5VDC
Input current	ЗА

Mechanical

Specifications	Value	Remarks
Dimensions	3.93 x 3.25 x 1.28in (100 x 82.7 x 32.5mm)	L x W x H
Net weight	143gm(5.04oz)	
Case material	SS	

Environmental

Specifications	Value
Operating temperature	0 to 50°C (32 to 122°F)
Case temperature	50°C (122°F)
Relative humidity	20-90%

FEATURES

- Supports two-way communication between Lumos Controls Mesh networks and BMS
- Connects multiple Lumos Controls gateways to the BMS
- Network connectivity for Iris E can be established using Wi-Fi or ethernet
- Supports 2.4 and 5GHz Wi-Fi bands

INTERFACE DESCRIPTION





Ethernet LED color	Indication
Yellow	Initiating connection with network
Green	Data transfer

Iris E State	LED pattern
Initializing	Solid ON
Configuration mode	100ms ON 100ms OFF
Unconfigured/Invalid configuration	500ms ON 500ms OFF
Waiting for IP	lsec ON lsec OFF
Time not configured	3sec ON 3sec OFF
Critical error	Fast blink
Device ready to use	5sec ON 5sec OFF

Light Blinking pattern

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The light blinking status enables users to know the current state of the device.



CONFIGURATION STEPS

Power ON the Iris E

2 Wait for 30 seconds and then connect to the hotspot that is advertised by the Iris E



3 Once hotspot is connected, within 5 minutes user can access the Iris E Web UI with IP

https://192.168.50.5/

Login

Login credentials will be Username: "admin" and Password:"Admin@1234"

Username	
admin	
Password	
Login	

IRIS E : WEB UI GUIDE

This will explain how user can access web UI of Iris E and configure it.

Settings

In this tab, user can provide the account details to which a fresh Iris E device needs to be synced from cloud. Once user apply the settings cloud syncer service will sync details from server corresponding to the account mentioned.

- Once configuration is done, the hotspot will go off. If the IP is not known, user needs to repower the edgebox, connect to the hotspot again and navigate to Settings -> Network Settings to view the IP address.
- Select Network Settings from Settings page.
- User can select WIFI or ETH mode based on requirement
- In WiFi mode user can enter SSID, Password and security type. User can select SSID from the dropdown list which contains SSIDs in Proximity





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ent Version: 3.0.4 Distributions	SWAT1 CETH			
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Device Management	Password Enter Pessword			
Group Management	Security Type (Nove			
Space Management				
Scene Management				
Zone Management	Avera			
Edge Diagnostics	WELD 100 M8 20 02			
Settings	ETH IP: 072106810			
Log out				

3 In ETH mode user has 2 options STATIC and DHCP



3.b)



2 If Hidden option is selected user can manually enter the SSID and Password

SSID	Hidden ~
Hidden SSID	Enter SSID
Password	Enter Password
Security Type	WPA2 PSK v
Apply WIFI IP:	[92.168.1.35



When the **Apply button** is clicked selected network configs are applied. This will take around 20 seconds and redirected to the following page.

Since the hotspot is disabled after 2 or 5 minutes, the Web UI will not be available from IP 192.168.50.5. To get the new IP, repower Iris E and connect to hotspot. Then go to Network Settings page again and view WIFI or ETH ip.

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1	Durrent Version: 1.0.3
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Note

- Currently assigned WIFI & ETH IP will be displayed. IP corresponding to previously configured interface will be highlighted here.
- Only the gateway with the time stamp will connect with Iris E. Rest of the gateways will connect with Cloud.
- If using a DHCP LAN network, it is recommended to reserve the edge IP address in network so that the edge IP doesn't change in the event of device reboot or network interruption.
- The Cloud API End Point, Bundle Package, Bundle Id will be same to the mobile application it's commissioned from
 - The Username and Password will be different
 - Initially the Iris E device will depend on Cloud but once it gets synced from there on it will take details from the local database

	ture 192.168.8.10/settings	< *) # * 🗆 🚷 🗄
WISILICA	WiSe Edge Settings	Current Time: 5-39:23
Current Version: 1.0.4 Deshboard	kinosi Settige	
Galeway Management		
Device Management		
Group Management	Cloud API End Point	
Space Management	Bundle Package	
Scene Management	Bundle Id	
Zone Management	Circuit Save Lines Name	
Edge Diagnostics		
Settings	Citor Synte Massison	
Log out	Aspy	

DETAILS AVAILABLE FROM THE IRIS E WEB UI

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Debug

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Debug

This tab list the gateways belonging to the current account for which the Iris E is configured. From here we can do gateway update. Our gateway will only communicate with Iris E, not with the Cloud.

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Gateway E To upload OTA f	Diagnostics •	Innet Version 1.0.4 Databased Calcessy Management Deuts Management Group Management Space Management Zoom Management Edge Degrouts State Management Ling out	Hardware Type (TELTU OTH B The B The B The B The Bank State and State A 1 Representationglocal Research (7.6.17 Bibliotechroppe A 1.15.2 Bibliotec	(close)
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		WISILICA	Scenes	Current Time: 5:44:1

Scene Management -

To list scenes belonging to the current account.

	Search for Scene Name			
Sr	Scene Name	Sub Org ID	Number of Devices	Last Updated
1	Scene 1	Zone2	32	0
2	Scene 1	Zone3	1	0
з	Scene 1	Zone4	2	0
4	Scene 1	Zone5	1	0
5	Scene 1	Zone6	1	0
6	Scene 1	Zone7	1	0
7	Scene 1	Zone8	1	0
8	Scene 1	Zone9	2	0
9	Scene 1	Zone10	3	0
10	Scene 1	Zonell	0	0
11	Scene 1	Zone12	0	0
	57 1 2 3 4 5 0 7 8 9 10 11	Eren to Some Name	Exert Kerr Kerr	Bree Socie Org O Number of Oreview 1 Socie 1 20x02 22 2 Socie 1 20x04 1 3 Socie 1 20x04 1 4 Socie 1 20x05 1 5 Socie 1 20x05 1 6 Socie 1 20x05 1 7 Socie 1 20x05 1 6 Socie 1 20x05 1 7 Socie 1 20x05 1 8 Socie 1 20x05 2 9 Socie 1 20x05 2 9 Socie 1 20x05 3 10 Socie 1 20x05 3 10 Socie 1 20x01 0

WISILICA		Zones				
rrent Version: 1.0.4 Deshboard		Search for Zone Name				
Gateway Management					_	
	s		Zone Name	Zone ID		
Group Management	1		Home	2766		
Space Management	2		Zone2	3101		
Scene Management	3		Zone3	3102		
Zone Management	4		Zone4	3103		
The Deserts	5		Zone5	3104		
Euge Diagnosous	6		Zone6	3105		
Seangs	7		Zone7	3105		
	8		Zone8	3107		
	9		Zone9	3108		
	н		Zone10	3109		
	1		Zonell	3110		

- Zone Management

To list zones available in the current account.

Edge Diagnostics

This tab will show the status of currently running services. Check all the services are active.

- If the Green LED on the device is blinking every 5 seconds, it's working fine.
- If the Green LED on the device is blinking very fast, then the device is not working.
- We can pull the Iris E log and do Iris E OTA from this page. VPN access is required to pull the logs remotely, else the logs need to be downloaded and shared.

sion: 1.0.4	1850-	Edas Consica Status		EFOE O	74	
y Management		Loge Service States		PULL EDG	Log	
e Management.						
Management	Sr	Service Name	Status	CPU(%)	Memory(%)	UpTime
lanagement	1	eim	Active: active (running) since Mon 2023-01-16 09:59:57 UTC; 19h ago	0.3	1.6	19:45:01
lanagement	2	wiseedge	Active: active (running) since Mon 2023-01-16 09:59:57 UTC; 19h ago	1.1	0.8	19:45:01
nagement	3	cloud-syncer	Active: active (running) since Mon 2023-01-16 13:00:18 UTC; 16h ago	1.6	3.0	16:44:40
agnostics	4	emqx	Active: activating (start) since Tue 2023-01-17 05:44:49 UTC; 8s ago	8.8	12.1	16:37:41
ttings	5	ngirox	Active: active (running) since Mon 2023-01-16 09:58:57 UTC; 19h ago	0.0	0.6	19:45:48
Log out	6	edge-web-api	Active: active (running) since Mon 2023-01-16 09:59:58 UTC; 19h ago	2.0	7.0	19:45:01
	7	monitor-app	Active: active (running) since Mon 2023-01-16 09:59:57 UTC; 19h ago	104	0.1	19:45:02
			WiSe Edge Pulled Logs			

WISILICA						
Current Version: 1.0.4				Upload the tar fi	le	
Dashboard				Choose file No file chosen		
				Upgrade		
	Sr	Event Time	Status	Patch Version	SQL Patches	Migration Patches
	1 16	5-01-2023 09:56:47	Success	EIM:1.0.4_mqtf_subscribe_patch WISEEDGE:1.0.4_mqtf_subscribe_patch		
	2 13	3-01-2023 05:07:21	Success	WEB_API:1.0.4_bridge-provision_int_fx		
	3 13	2-01-2023 13:11:56	Success	WEB_API:1.0.4_bridge_provision_patch		
Zone Management	4 13	2-01-2023 12:58:36	Success	WEB_API:1.0.4_bridge_provision_patch		
Edge Diagnostics Settings	5 10	3-01-2023 05:03:44	Success	EIM:1.0.4 WISEEDGE:1.0.4 CLOUDSYNCER:1.0.4 WEB_API:1.0.4 MONITOR_APP:1.0.4	wise_edge_db_sql_patch_1.0.3.sql	
	6 26	5-12-2022 12:25:25	Success	EIM:1.0.3 WISEEDGE:1.0.3 CLOUD_SYNCER:1.0.3 WEB_API:1.0.3 MONITOR_APP:1.0.3		
	7 26	5-12-2022 12:07:45	Success	MONITOR_APP:1.0.4		
	8 10	5-12-2022 12:28:16	Success	EIM:1.0.3 WISEEDGE:1.0.3 CLOUD_SYNCER:1.0.3		

Sr	Created Time	File	File Size
1	04-01-2023 06:11:55	edge_log_3_1672812731.tar.gz	5293287

WiSe Edge Pulled Logs

It provides 2 options

Edge OTA

To upload edge patch file for upgrading the Iris E

Users can also view the version details of previous patches applied on the same page.



Users can pull edge logs from here. Refreshing the page after the edge log pull request is triggered will list the log in the table. Users can download it from there.



• The Subnet has to be same for Jace Box, Gateway and Iris E. Make sure the network is fine for proper sync.

• For both Jace Box and Iris E, we need to use static IP. So that the IP doesn't change.





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