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 patter	'n
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 credentials will be Username: "admin" and Password:"Admin@1234"

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Username	
admin	
Password	
	••
Login	

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: 2.0.4 Distributed	RIVER CETH	
Galeway Management	SSID Sees V	
Device Management	Password Enter Pessent	
Group Management	Security Type Nove 💌	
Space Management		
Scene Management		
Zone Management	Acces	
Edge Diagnostics	WPLP: 102.108.20.02	
Settings	ETH IP: [32.161.8.10	
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 ~	
Apply WIFI IP:	192168.1.35	
	192.168.1.35 192.168.1.39	



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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	WISILICA
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

	cure 192.168.8.10/settings	< *) # * 🗆 🍪 🗄
WISILICA	WiSe Edge Settings	Current Time: 5-39-23
Current Version: 1.0.4 Deshboard	kinessi Settige	
Galeway Management		
Device Management		
Group Management	Cloud API End Point	
Space Management	Bundle Package	
Scene Management	Bundle Id	
Zone Management	Cloud Sync User Name	
Edge Diagnostics		
Settings	Cloud Sync Password	
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.

		teway's C	ATA		Scens Management Zone Management Kaje Diagnatica Satinga Log ox	Sr 1 /ept/wisilica/edge/ota	Snarch wester. File Name Ammaare 07 95 17 Misselandige pik	Version MV Version 07.95.17 17.15.2	Device Type Created 13012 10-02-2003 J	
	Immet to Kolo. Immet to Kolo. D13 3 Lao Hamme 2029 AFD-20 Herme 2044 AFD-20 Herme 2044	Stream Stream 20.0 24.02 32.0 26.02 15.2.0 30.28 15.2.0 30.28 15.2.0 30.28 15.2.0 30.28 15.2.0 30.28 15.2.0 30.28 15.2.0 30.28 15.2.0 30.28 15.2.0 30.28 15.2.0 30.28 15.2.0 30.28	UUD 0003000011/000000.01/0053wd 0003100000011/00020.00000001100023wd 0003100023w0000000120w011000 00031000120w0000000120w0110000000001100000000	Lurent Tune 2.4 Lur Update 1970-0-10 0000 1970-0-10 0000 1970-0-10 0000 1970-0-10 0000 1970-0-10 0000 1970-0-10 0000 1970-0-10 0000 1970-0-10 0000 1970-0-10 0000	-	To list	ice Ma the device It account	es belongi		
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Scene Management -

To list scenes belonging to the current account.

WISILICA						
urrent Version: 1.0.4 Dasihboard		Search for Scene Name				
Gateway Management						
Device Management	Sr	Scene Name	Sub Org ID	Number of Devices	Last Updated	
Group Management	1	Scene 1	Zone2	32	0	
Space Management	2	Scene 1	Zone3	1	0	
Scene Management	3	Scene 1	Zone4	2	0	
Zone Management	4	Scene 1	Zone5	1	0	
Edge Diagnostics	5	Scene 1	Zone6	1	0	
Settings	6	Scene 1	Zone7	1	0	
Log out	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	

WISILICA				
rent Version: 1.0.4 Dashboard	(Search &	x Zone Harve		
Gateway Management				
Device Management	Sr	Zone Name	Zone ID	
Group Management	1	Home	2766	
Space Management	2	Zone2	3101	
Scene Management	3	Zone3	3102	
Zone Management	4	Zone4	3103	
Edge Diagnostics	5	Zone5	3104	
	6	Zone6	3105	
Settings	7	Zone7	3105	
	8	Zone8	3107	
	9	Zone9	3108	
	10	Zone10	3109	
		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.

NISILICA			WiSe Edge Diagnostics			
Version: 1.0.4	WiSe	Edge Service Status		EDGE O PULL EDG		
leway Management				Pole Boo	ertog	
evice Management						
roup Management	Sr	Service Name	Status	CPU(%)	Memory(%)	UpTime
pace Management	1	eim	Active: active (running) since Mon 2023-01-16 09:59:57 UTC; 19h ago	0.3	1.6	19:45:01
icene Management	2	wiseedge	Active: active (running) since Mon 2023-01-16 09:59:57 UTC; 19h ago	1.1	0.8	19:45:01
one Management	3	cloud-syncer	Active: active (running) since Mon 2023-01-16 13:00:18 UTC; 16h ago	1.6	3.0	16:44:40
Edge Diagnostics	4	emqx	Active: activating (start) since Tue 2023-01-17 05:44:49 UTC; 8s ago	8.8	12.1	16:37:41
Settings	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			

ent Version: 1.0.4 Doshboard Cateway Management				Upload the tar fi	le		
Group Management	Sr	Event Time	Status	Patch Version	SQL Patches	Migration Patches	1
Space Management	1	16-01-2023 09:56:47	Success	EIM:1.0.4_mqtt_subscribe_patch WISEEDGE:1.0.4_mqtt_subscribe_patch		-	
Scene Management	2	13-01-2023 05:07:21	Success	WEB_API:1.0.4_bridge-provision_int_fx			
Zone Management	3	12-01-2023 13:11:56	Success	WEB_API:1.0.4_bridge_provision_patch			
zone management	4	12-01-2023 12:58:36	Success	WEB_API:1.0.4_bridge_provision_patch			
Edge Diagnostics Settings	5	10-01-2023 05:03:44	Success	EIM:1.0.4 WISEEDGE:1.0.4 CLOUD_SYNCER:1.0.4 WEB_/PI:1.0.4 MONITOR_APP:1.0.4	wise_edge_db_sql_patch_1.0.3.sql		
Log out	6	26-12-2022 12:25:25	Success	EIM:10.3 WISEEDGE:10.3 CLOUD_SYNCER:10.3 WEB_/PI:10.3 MONITOR_APP:1.0.3			
	7	26-12-2022 12:07:45	Success	MONITOR_APP:1.0.4			
	8	16-12-2022 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.

Pull Edge Log

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.

NOTE

- 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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